ConocoPhillips
76 Broadway
Sacramento, California 95818

April 2, 2009

Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

Re: ***Well Replacement report***
76 Service Station # 5484 RO # 0352
18950 Lake Chabot Road
Castro Valley, CA

Dear Ms. Jakub:

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

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Terry L. Grayson
Site Manager
Risk Management & Remediation

April 2, 2009

Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Monitoring Well (MW-4) Replacement Report
76 Service Station No. 5484
18950 Lake Chabot Road
Castro Valley, California
Fuel Leak Case No. RO0000352

DELTA

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) has prepared this report presenting the results of the installation of two off-site monitoring wells as replacement wells for monitoring well MW-4 down-gradient of the above-referenced site. The work was performed as proposed in our *Monitoring Well MW-4 Replacement - Work Plan* dated June 26, 2008, and approved by the Alameda County Health Care Services Agency (ACHCSA) in a letter dated July 8, 2008. A copy of the letter is presented as Attachment A.

The investigation consisted of the installation, development, and survey of two monitoring wells (MW-4A and MW-4B) to assess the potential petroleum hydrocarbon impact to groundwater down-gradient of the site located at 18950 Lake Chabot Road, Castro Valley, California. The site location is shown on Figure 1. Former monitoring well MW-4 was destroyed during the construction of an apartment complex in 2002. In addition, Delta attempted to locate monitoring well MW-4 and properly abandoned it. A utility survey was also conducted to determine if any underground utility trenches are potentially acting as preferential pathways for dissolved phase petroleum hydrocarbon migration in the groundwater.

SITE BACKGROUND AND PREVIOUS ENVIRONMENTAL WORK

The site is located on the southeast corner of the intersection of Lake Chabot Road and Quail Avenue, and is an active 76 service station and automotive service facility. Current site facilities consist of two gasoline underground storage tanks (USTs), a waste oil UST, two dispenser islands, and a station building.

11050 White Rock Road Suite 110 Rancho Cordova, California 95670 USA
Phone +1 916.638.2085 / USA Toll Free 800.477.7411
Fax +1 916.638.8385 www.deltaenv.com

In June 1988, a leak was detected in the unleaded product system during an annual tank precision test. Three monitoring wells (MW-1 through MW-3) were subsequently installed on-site in July 1988 by Applied GeoSystems (AGS) to evaluate subsurface conditions. Soil samples collected from the well borings contained total petroleum hydrocarbons (TPH) up to 79 milligrams per kilogram (mg/kg) and benzene, toluene, ethyl-benzene, and total xylenes (BTEX) (up to 26 mg/kg). Groundwater samples collected from the monitoring wells contained TPH up to 7,800 micrograms per liter (µg/L) and benzene up to 640 ug/L. Approximately 1 foot of free product was observed in monitoring well MW-3 in October 1988.

In May and June 1989, two off-site monitoring wells (MW-4 and MW-5) and an additional on-site monitoring well (MW-6) were installed. Soil samples collected from the well borings generally did not contain TPH as gasoline (TPHg) or BTEX with the exception of TPHg at 2.4 mg/kg in the sample collected at 13.5 feet below ground surface (bgs) from well boring MW-5.

In June 1989, two 10,000-gallon gasoline USTs and one 280-gallon waste oil UST located to the southeast of the station building were removed from the site. During the removal, monitoring wells MW-1 and MW-3 were destroyed. Five soil samples collected at 6 feet bgs from the sidewalls of the gasoline UST excavation contained TPHg ranging from 1,400 mg/kg to 4,300 mg/kg. As a result, impacted soil was over-excavated in the area of the former gasoline USTs and dispensers. An area measuring approximately 60 feet by 70 feet was excavated to depths of 10 feet to 15 feet bgs. Soil samples collected from the sidewalls and bottom of the excavation contained TPHg (up to 8.9 mg/kg) and BTEX (up to 0.88 mg/kg). Soil samples collected beneath the former waste oil UST at 7 feet bgs contained TPHg up to 650 mg/kg and total oil and grease (TOG) up to 19,000 mg/kg. Therefore, impacted soil was also over-excavated in this area to approximately 10 to 11 feet bgs. Approximately 1,900 cubic yards of impacted soil was excavated and disposed off-site between June and August 1989. Two 12,000-gallon fiberglass, double-wall USTs and a 520-gallon waste oil UST (north of the station building) were installed.

In November 1989, five additional borings (B-7 through B-11) were advanced to further evaluate to the extent of impacted soil. Soil samples collected from the borings contained TPHg up to 220 mg/kg and BTEX up to 160 mg/kg.

In May 1991, an additional boring (EB1) was advanced and an additional monitoring well (MW-7) was installed in the southern portion of the site. Soil samples collected from the borings contained TPHg up to 130 mg/kg and low levels of BTEX (up to 3.6 mg/kg). A groundwater sample collected from monitoring well MW-7 contained TPHg at 3,000 ug/L, TPH as diesel (TPHd) at 540 µg/L, and benzene at 160 µg/L.

SENSITIVE RECEPTORS

A well search was performed by AGS in 1988 within a ½-mile radius of the site; two wells were identified within the search radius. One well was a test well located approximately ½ mile south of the site, and the other well was a domestic well located approximately ½ mile south/southeast of the site. Based on groundwater flow calculations, the wells appeared to be down-gradient of the site.

A well search was conducted by Gettler-Ryan Inc. (GR) in September 1998 and consisted of a review of Department of Water Resources (DWR) files. A number of wells were identified within ¼ to ½ mile of the site, and one well was identified within ¼ mile of the site.
A sensitive receptor survey (SRS) was performed by Delta in 2006; the results of the survey were presented in our *Sensitive Receptor Report*, dated August 22, 2006. The survey consisted of a review of DWR files to evaluate the presence of wells within a ½-mile radius of the site, and a questionnaire regarding the presence of wells, sumps, or basements was mailed to property owners within 1,000 feet of the site. A total of 214 questionnaires were mailed in April 2006; only 38 responses were received. Based on the responses received, wells were located on eight of the properties, sumps used for irrigation purposes were located on three of the properties, and basements were present at 16 of the properties. Four additional property owners were mailed questionnaires based on the DWR files; however, no responses were received. Delta also conducted a site visit to evaluate the presence of schools, day care centers, and hospitals within 1,000 feet of the site. Chabot Elementary School was located approximately 470 feet southeast (cross-gradient) of the site.

Based on the U.S. Geological Survey Topographic Map (USGS) for the site vicinity (Hayward Rosa quadrangle), the nearest surface water body is an unnamed drainage located approximately 2,000 feet north of the site. The drainage originates from a reservoir located about 1 mile to the northeast.

SITE GEOLOGY AND HYDROGEOLOGY

The subject site is located in the east bay of California and is underlain by alluvium described as interlayered units of clayey sands and sand to a depth of 8.5 feet bgs in the two borings advanced during this investigation. The alluvium unit is underlain by marine sandstone and shale.

Data from the previous investigation and this investigation indicate the static depth to groundwater on-site varies from approximately 3 feet bgs to 11 feet bgs. The groundwater flow direction is generally to the southwest with an average gradient of 0.093 foot per foot.

SITE INVESTIGATION

Pre-Field Activities

A utility survey was conducted prior to the field investigation. Underground Services Alert (USA) was notified prior to drilling and a private utility locator was retained to minimize the risk of damage to underground utilities. Additionally, the first five feet of the boreholes were cleared using an air-knife to further minimize the risk of damage to underground utilities.

Delta prepared a site-specific Health and Safety Plan (HASP) in accordance with Title 8, Section 5192 of the California Code of Regulations. The HASP contained a list of emergency contacts, as well as a hospital route map to the nearest emergency facility.

A drilling permit was obtained from the Alameda County Public Works Agency prior to drilling. A copy of the drilling permit is presented as Attachment B.

Monitoring Well Installation

From February 17 and 18, 2009, Gregg Drilling (Gregg), under supervision of a Delta field geologist, advanced two borings for monitoring wells MW-4A and MW-4B. The borings were advanced to a depths of approximately 10 feet bgs (MW-4A) and 14 feet bgs (MW-4B) using a hollow-stem auger drill-rig equipped with 8-inch outside diameter augers. The soils encountered in the boring were logged using the Unified Soil Classification System (USCS) for lithologic interpretation and field screened using a calibrated photo ionization detector (PID). Soil samples were collected for lithologic interpretation and field screening at approximately 5-foot intervals beginning at 5 feet bgs. Groundwater was first encountered at a depth of 3 feet bgs. Copies of the boring logs are presented as Attachment C. The boring locations are shown on Figure 2.

A soil sample was collected for analysis from the MW-4A borehole at a depth of approximately 9 feet bgs. Soil samples were collected for analysis from the MW-4B borehole at depths of approximately 10 feet bgs and 14 feet bgs. The three soil samples collected and submitted for analysis from the two monitoring wells were analyzed by BC Laboratories (BC) for TPHd by EPA Method 8015M, TPHg by EPA Method 8015M, BTEX, methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), Ethanol, and ethylene di-bromide (EDB) - (8 oxygenates) by EPA Method 8260, and lead by EPA Method 6010B.

The borings were converted to groundwater monitoring wells by installing a 2-inch diameter schedule 40 polyvinyl chloride (PVC) well casing with a screened interval from 6 feet bgs to 10 feet bgs (MW-4A) and from 10 feet bgs to 14 feet bgs (MW-4B). The perforation size in the screened interval is 0.020-inch. A sand pack consisting of #3 sand was placed in the annular space and extended to approximately one-foot above the top of the well screen.

A one-foot thick bentonite seal was placed on top of the sand pack. The monitoring wells were surged prior to the placement of the bentonite seal to promote settling of the sand pack. The remainder of the annular space was filled with neat cement and the wells fitted with a locking cap and encased in a traffic-rated protective vault placed at existing ground level. Well construction details are shown on Figures 3 and 4.

Well Development

On February 20, 2009, Gregg, under supervision of a Delta field geologist, developed the newly installed monitoring wells using a surge block followed by bailing and pumping. Copies of the well development logs are presented as Attachment C.

Wellhead Survey

A California licensed surveyor was retained to survey the northing and easting of the new monitoring wells using Datum NAD 83. The monitoring well elevations were surveyed relative to mean sea level, with an accuracy of +/- 0.01 foot on February 20, 2009. A global positioning system (GPS) was also used to survey in the latitude and longitude of the wells. This data was uploaded to the State GeoTracker database on November 19, 2008. A copy of the survey map is included as Attachment D.

Disposal of Drill Cuttings and Wastewater

Drill cuttings, well development purge water, and decontamination water generated during the investigation were placed into properly labeled 55-gallon Department of Transportation (DOT) approved steel drums and temporarily stored on-site. Samples of the drill cuttings and decontamination water were collected, properly labeled, placed on ice, and transported to BC with chain of custody documentation. The samples were analyzed for TPPH, BTEX and MTBE, DIPE, ETBE, TAME, TBA, 1,2-DCA, EDB, and ethanol by EPA Method 8260. The drummed drill cuttings and wastewater are currently being profiled for transportation to and disposal at a COP-approved facility.

RESULTS OF THE INVESTIGATION

Soil Sampling

The subsurface materials encountered in the boring consisted of silt, clay, sand and gravel. A copy of the boring logs and DWR, Well Completion Reports for the monitoring wells are presented as Attachment E.

The soil samples collected from the MW-4A and MW-4B borings reported concentrations below the laboratory's indicated reporting limits except for lead. Lead was detected in all three soil samples submitted for analysis with a maximum concentration of 13 mg/kg. Soil analytical results are presented in Table 1. A copy of the laboratory report and chain of custody documentation is presented as Attachment F.

Monitoring Well Sampling

Groundwater monitoring and sampling was performed on February 25, 2009 by TRC Solutions, Inc. (TRC).

Contaminants of Concern

- **TPPH:** TPPH was above the laboratory's indicated reporting limit in the groundwater samples collected and submitted for analysis from monitoring wells MW-2 and MW-7 at concentrations of 260 µg/L and 1,000 µg/L, respectively.

- **Benzene:** Benzene was above the laboratory's indicated reporting limit in the groundwater samples collected and submitted for analysis from monitoring wells MW-2 and MW-7 at concentrations of 0.64 µg/L and 15 µg/L, respectively.

- **MTBE:** MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-2, MW-5, and MW-7 at concentrations of 220 µg/L, 1.5 µg/L, and 130 µg/L, respectively.

Additionally, toluene was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring well MW-7 at a concentration of 0.70 µg/L. Ethyl-benzene was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-2 and MW-7 at concentrations of 6.9 µg/L and 70 µg/L, respectively. With the exception of the constituents list above all of the constituents tested were below the laboratory's indicated reporting limits.

DISCUSSION

During drilling operations, field personnel were unable to locate monitoring well MW-4. An air-knife was used to explore the top 5 feet in the general area where ground penetrating radar suggested the well may have been. The property owner was contacted to see if they had any knowledge of the wells location, but they did not have any information. The survey data from when the well was installed placed the well under a new driveway with reinforced steel.

CONCLUSIONS AND RECOMMENDATIONS

The analytical data from the soil samples collected and submitted for analysis during this investigation indicate that TPPH, BTEX, and MTBE are not present in significant concentrations cross-gradient from the site

In addition, the groundwater is impacted beneath the site in the vicinity of the down-gradient wells MW-2, MW-5, and MW-7.

Delta recommends that monitoring wells MW-4A and MW-4B be purged and sampled on a semi-annual basis and the other four wells associated with the site be purged and sampled on a quarterly basis for a minimum of four quarters. This will allow for a better understanding of the groundwater flow direction in the area and across the site, as well as the distribution of the hydrocarbon impacted groundwater.

In addition, Delta recommends that a site conceptual model be prepared for this site based on the data obtained from this investigation and previous investigations conducted at the site.

REMARKS/SIGNATURES

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report will be performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no expressed or implied warranty as to the contents of this report.

If you have any questions regarding this project, please contact James Barnard at (916) 503-1279 or Mr. Terry Grayson of COP at (916) 558-7666.

Sincerely,
DELTA CONSULTANTS

James B. Barnard

James Barnard, P.G.
Project Manger
California Registered Professional Geologist No. 7480

Figures:
- Figure 1 – Site Location Map
- Figure 2 – Site Plan
- Figure 3 – Well Construction Diagram, MW-4A
- Figure 4 – Well Construction Diagram, MW-4B

Table:
- Table 1 – Soil Analytical Results

Attachments:
- Attachment A – ACHCSA Letter
- Attachment B – Drilling Permit
- Attachment C – Well Development Logs
- Attachment D – Survey Map
- Attachment E – Boring Logs and DWR Completion Reports
- Attachment F – Laboratory Reports

cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

North

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, HAYWARD QUADRANGLE, 1967

FIGURE 1

SITE LOCATION MAP

76 SERVICE STATION NO. 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CA

PROJECT NO. C105-484	DRAWN BY MC 5/27/06 - DR 6/26/08
FILE NO. Site Locator 5484	PREPARED BY MC
REVISION NO. 1	REVIEWED BY

DELTA

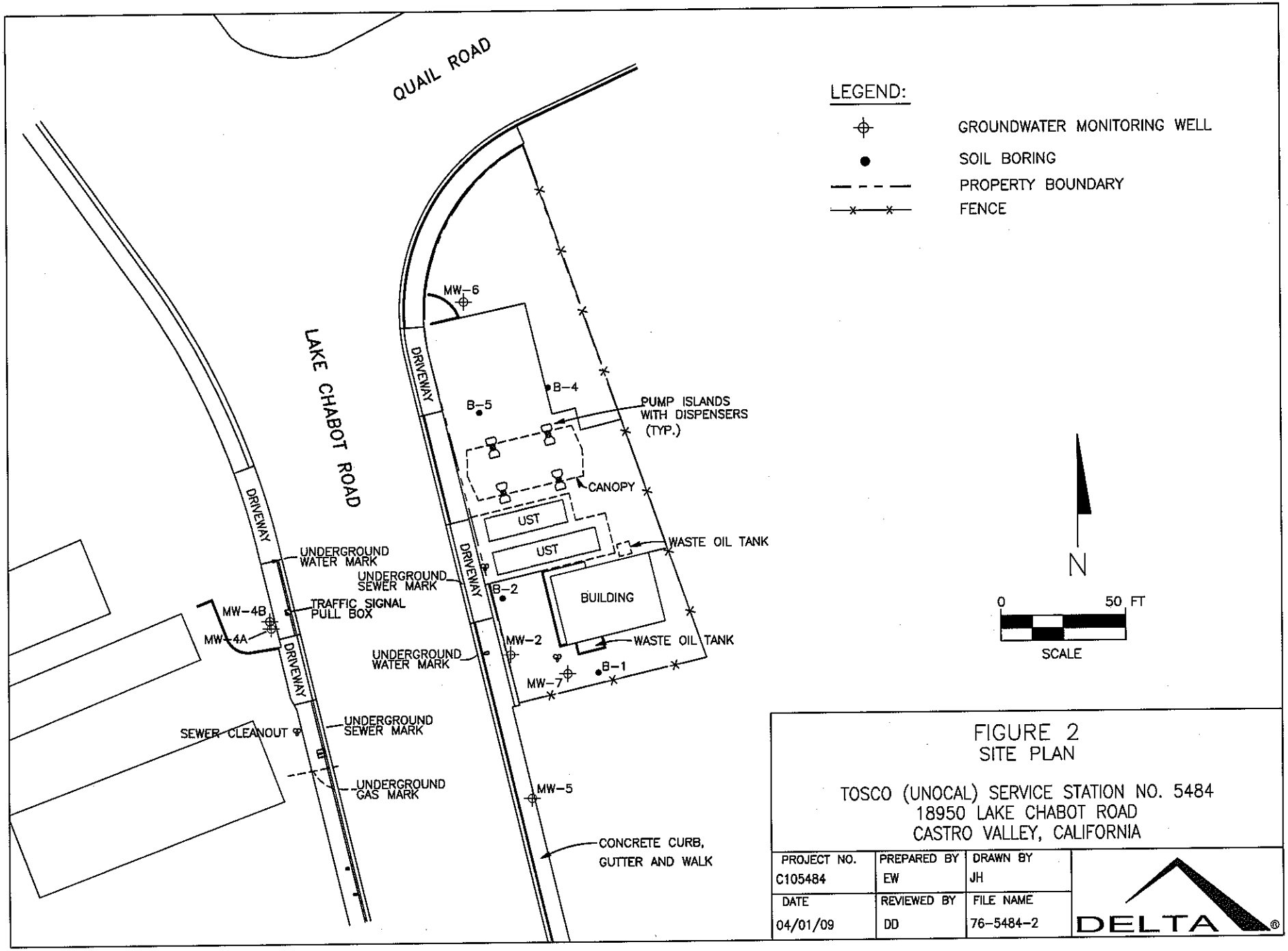


FIGURE 2
SITE PLAN

TOSCO (UNOCAL) SERVICE STATION NO. 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C105484	EW	JH
DATE	REVIEWED BY	FILE NAME
04/01/09	DD	76-5484-2

DELTA®

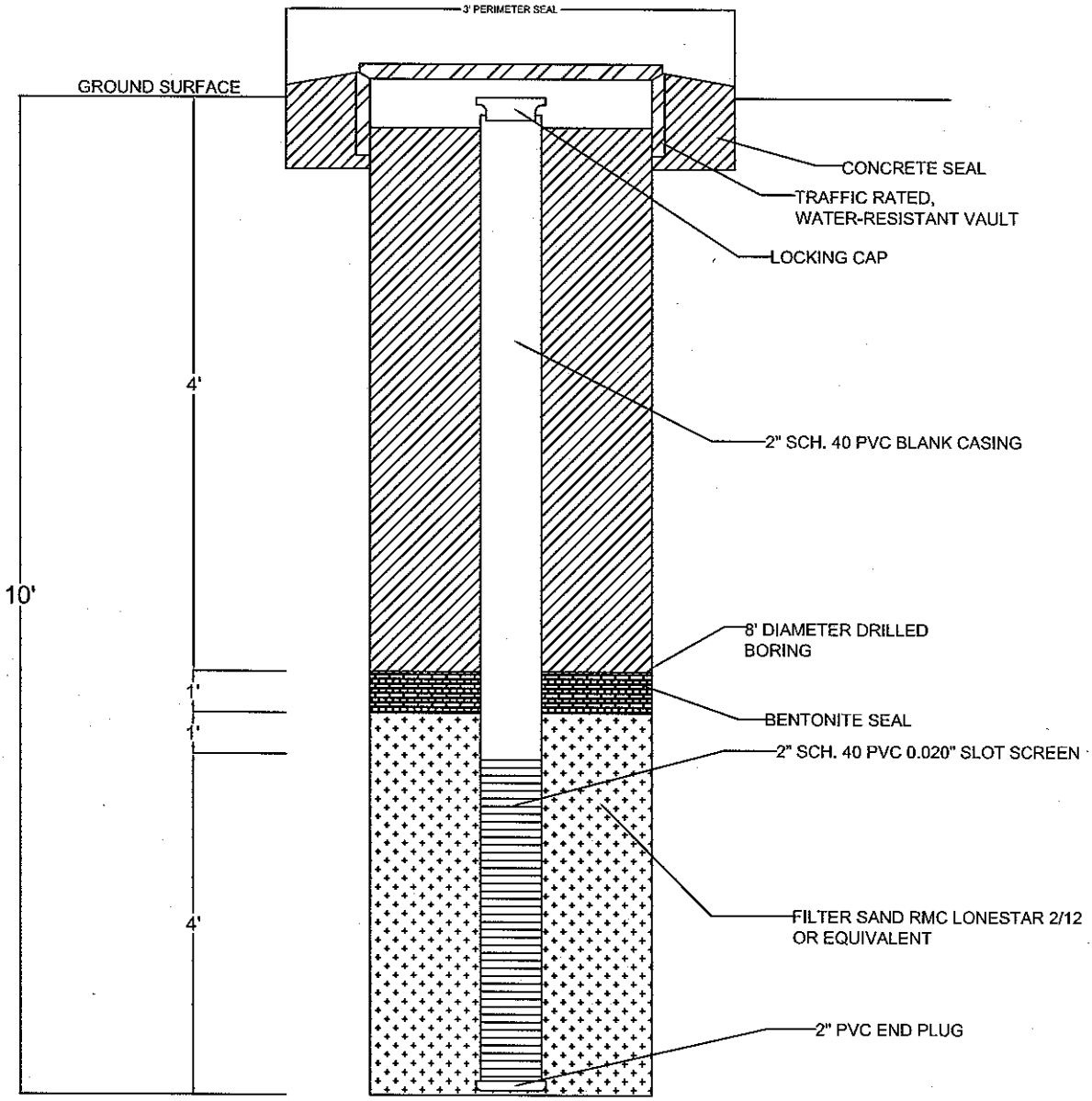


FIGURE 3

GROUNDWATER MONITORING
WELL CONSTRUCTION DETAIL - MW-4A

76 STATION NO. 5484
18650 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. C105484	DRAWN BY JH 04/01/09
FILE NO. 5484-WELLDETAIL	PREPARED BY EW
REVISION NO.	REVIEWED BY JW

DELTA®

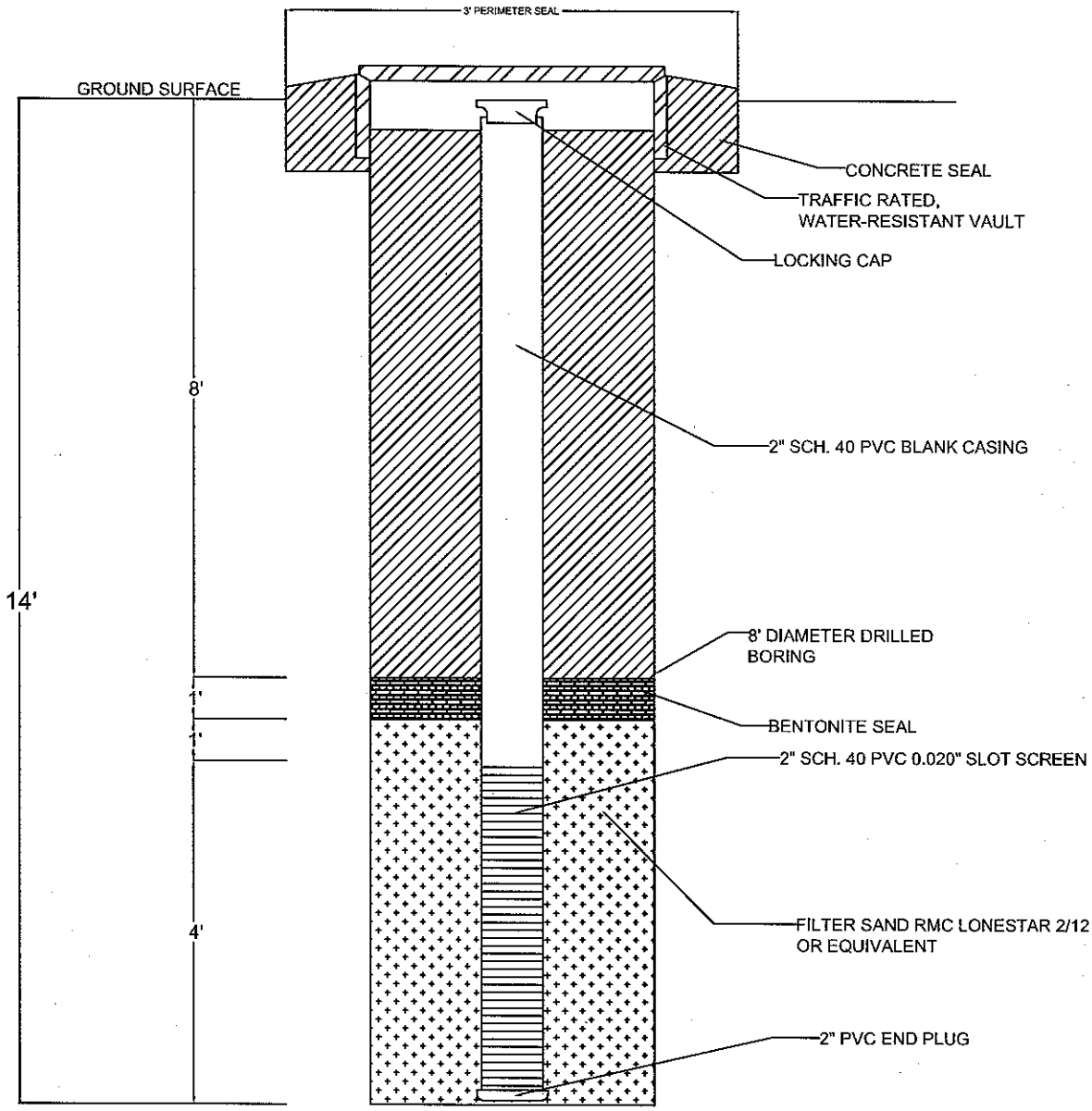


FIGURE 4

GROUNDWATER MONITORING
WELL CONSTRUCTION DETAIL - MW-4B

76 STATION NO. 5484
18650 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

PROJECT NO. C105484	DRAWN BY JH 04/01/09
FILE NO. 5484-WELLDETAIL	PREPARED BY EW
REVISION NO.	REVIEWED BY JW

DELTA®

TABLES

Table 1

SOIL ANALYTICAL RESULTS
ConocoPhillips Station No. 5484
18950 Lake Chabot Road, Castro Valley, California

Sample ID	Date	Sample Depth (feet)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Total Lead (mg/kg)
MW-4A@9	2/18/2009	9	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	**7.2**
MW-4B@10	2/18/2009	10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	**13**
MW-4B@14	2/18/2009	14	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	**13**

Notes:

TPPH =	total purgeable petroleum hydrocarbons by EPA Method 8260B
BTEX =	benzene, toluene, ethyl-benzene, total xylenes by EPA Method 8260B
MTBE =	methyl tertiary butyl ether by EPA Method 8260B
mg/kg =	milligrams per kilogram
< =	Below the laboratory's indicated reporting limit
NA =	not analyzed
Bold =	Above the laboratory's indicated reporting limit
EPA =	US Environmental Protection Agency

ATTACHMENT A
ACHCSA LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 8, 2008

Bill Borgh (via electronic mail)
Conoco Phillips
76 Broadway
Sacramento, CA 95818

Abdi Fugfugosh and Shukri Noor
Stone Canyon Dr.
Castro Valley, CA 94552

Subject: Fuel Leak Case No. RO0000352 and Geotracker Global ID T0600101453, UNOCAL #5484, 18950 Lake Chabot Rd., Castro Valley, CA 94546

Dear Messrs. Borgh, and Fugfugosh and Ms. Noor:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the most recently submitted documents entitled, *Monitoring Well MW-4 Replacement - Work Plan* dated June 26, 2008, prepared by Delta Consultants. ACEH generally concurs with the proposed scope of work and requests that you address the following technical comments, perform the proposed scope of work, and send us the technical reports requested below. The proposed scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during field implementation. Submittal of a revised work plan is not necessary.

TECHNICAL COMMENTS

1. **Replacement Well Installation** – Please proceed with installing the replacement well for MW-4. However, we request that you install a monitoring well network capable of collecting depth discrete groundwater samples, such as multi-chamber wells or well clusters to ensure that the top of the groundwater is screened and monitored. We request that your sand pack not exceed 3 to 5 feet with a screen length a maximum of 2 to 4 feet.

2. **Paved Over Well MW-4** – Well MW-4 remains as a conduit for potential contaminant migration. Please locate this well using survey data, metal detection devices, ground penetrating radar, manual methods or any other method that you recommend. Please include a discussion of the methods used to locate the well in the Soil and Water Investigation report requested below.

3. **Well Survey** – ACEH requests that when the new well is surveyed that the remaining wells also be resurveyed for at least top of casing elevations to ensure that the groundwater contours are accurate.

4. **Groundwater Contaminant Plume Monitoring** – Tertiary Butyl Alcohol is not currently being analyzed at the site. Please add this constituent to your analysis and report these results in future groundwater monitoring reports.

5. **Preferential Pathway Study**- The sensitive receptor survey that was conducted did not show the location of the wells identified by the Department of Water Resources on the map. Please plot these on the one-mile radius map to ensure that there are no downgradient receptors. Also, a reference was made to a well search performed by Gettler-Ryan in 1988. Please plot the wells from this study on the map in the report requested below.

   Utility Survey - Groundwater at the site is generally between 4 and 8 feet below ground surface at this site. Please perform a utility survey to ensure that hydrocarbons and oxygenates are not preferentially migrating along the backfill of utility lines. An evaluation and discussion of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please include maps and cross-sections illustrating the location and depth of all utility lines and trenches within and near the site and plume areas(s) as part of your study.

6. **Notification Requirements** – Please provide me with three working days notification before you begin field work.

REQUEST FOR INFORMATION

ACEH's case file for the subject site contains the electronic reports as listed on our website (http://www.acgov.org/aceh/lop/ust.htm). You are requested to submit copies of all other reports related to environmental investigations for this property (including Phase I reports) by **August 8, 2008**.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Barbara Jakub), according to the following schedule:

- **October 7, 2008** – Soil and Water Investigation Report which details the installation of MW-4 replacement well.

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,

Barbara J. Jakub, P.G.
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Mr. Dennis Dettloff, Delta Environmental Consultants, Inc., 11050 White Rock Road, Rancho Cordova, CA 95670 (via electronic mail)

Donna Drogos, ACEH (via electronic mail)
Barbara Jakub, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: December 16, 2005
	PREVIOUS REVISIONS: October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

ATTACHMENT B
DRILLING PERMIT

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 01/30/2009 By jamesy

Permit Numbers: W2009-0095 to W2009-0097
Permits Valid from 02/17/2009 to 02/18/2009

Application Id: 1233344996358 **City of Project Site:** Castro Valley
Site Location: 18950 Lake Chabot Road, Castro Valley, CA 94546
Project Start Date: 02/17/2009 **Completion Date:** 02/18/2009
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: DELTA - James R Barnard **Phone:** 916-638-2085
11050 White Rock Rd #110, Rancho Cordova, CA 95670
Property Owner: John A. & Nancy D. Helton Trust **Phone:** --
20980 Redwood Rd. #210, Castro Valley, CA 94546
Client: ** same as Property Owner **

	Total Due:	$1035.00
Receipt Number: WR2009-0038	**Total Amount Paid:**	$1035.00
Payer Name : Delta	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $690.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2009-0095	01/30/2009	05/18/2009	MW-4A	8.00 in.	2.00 in.	4.00 ft	10.00 ft
W2009-0096	01/30/2009	05/18/2009	MW-4B	8.00 in.	2.00 in.	8.00 ft	14.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755

(Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

Well Destruction-Monitoring - 1 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $345.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2009-0097	01/30/2009	05/18/2009	MW-4	10.00 in.	2.00 in.	5.00 ft	27.50 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

ATTACHMENT C
WELL DEVELOPMENT LOGS

GREGG

MONITORING WELL DEVELOPMENT LOG

All measurements taken from: ☑ Top of Casing ☐ Protective Casing ☐ Ground Level

Well Number MW-4A
Date 2-20-09
Time Start: 10:20 End: 11:15
Client DELTA
Project 76 STATION 5484
Job Number 18950 LAKE CHABOT RD.
Installation Date 2-17-09
Well Diameter 2"

Borehole Diameter 8"
Screen Length 4'
Measured Depth (pre-development) 9.4
Measured Depth (post-development) 9.4
Static Water Level (ft.) 8.25
Standing Water Column (ft.) 1.15
One Well Volume (gal.) 0.19
One Annulus Vol. (gal.)

Sample ID
Qty. of Drilling Fluid Lost Ø
Minimum Gal. to be Purged 2 Gallons
Development Method SURGE, BAIL & PUMP.
Purging Equipment 2" STAINLESS BAILER
Water Level Equipment SOLINST
pH/EC Meter HORIBA U-10
Turbidity Meter
Other

Time	Amount Purged (gal.)	Field Parameters Measured: pH	EC	Turbidity	D.O.	D.O. Temp.	SAL.	GPM / W.L.	Comments	Field Tech.
10:20	START	SURGING 2" WELL, USING A 2" SURGE BLOCK.							HARD BOTTOM	
10:30	—	BAILING						SET UP (PERISTALTIC PUMP) START PUMPING.		
10:49	½ / ½	6.60	4.12	999	—	20.4	—	WL=	8.75 - WELL GOT DRY, WAIT	
11:12	½ / 1	6.63	4.14	116	—	20.1	—	—	WELL TO RECHARGE.	
11:15	/							WL = 9.4 - WELL DRY OUT		

FINAL FIELD PARAMETER MEASUREMENTS

GREGG

MONITORING WELL DEVELOPMENT LOG

Page 1 of _____

All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level

Sample ID _____

Well Number MW-4B
Date 2-20-09
Time Start: 8:40 End: 10:15
Client DELTA
Project 76 STATION 5484
Job Number 18950 LAKE CHABOT RD
Installation Date 2-17-09
Well Diameter 2"

Borehole Diameter 8"
Screen Length 4'
Measured Depth (pre-development) 13.9
Measured Depth (post-development) 14.0
Static Water Level (ft.) 10.1
Standing Water Column (ft.) 3.8
One Well Volume (gal.) 0.64
One Annulus Vol. (gal.) _____

Qty. of Drilling Fluid Lost 0
Minimum Gal. to be Purged 7 Gallons
Development Method SURGE, BAIL & PUMP.
Purging Equipment 2" STAINLESS BAILER
Water Level Equipment SOLINST
pH/EC Meter HORIBA U-10
Turbidity Meter "
Other _____

Time	Amount Purged (gal.)	Field Parameters Measured: pH	EC	Turbidity	D.O.	D.O. Temp.	SAL.	GPM / W.L.	Comments	Field Tech.
8:40	START	SURGING 2" WELL, USING A				2" SURGE B		LOCK.	HARD BOTTOM	
8:50	—	BAILING						SET UP (PERISTALTIC) PUMP - START PUMPING		
9:30	2/2	6.46	1.93	999	—	17.4	—		WL = 10.45	
9:36	1/2/2 1/2	6.47	2.13	999	—	17.9	—	WL = 11.1		
9:40	1/2/3	6.45	2.10	999	—	18.1	—	WL = 12.2		
9:46	1/4	6.46	2.05	999	—	18.1	—	WL = 12.4		
9:51	1/5	6.44	2.14	999	—	18.1	—	WL = 12.6		
10:00	1/6	6.46	2.16	999	—	18.2	—	WL = 13.15		
10:07	1/7	6.45	2.07	999	—	18.2	—	WL = 13.6		
10:11						FINAL WL =		13.1		

FINAL FIELD PARAMETER MEASUREMENTS

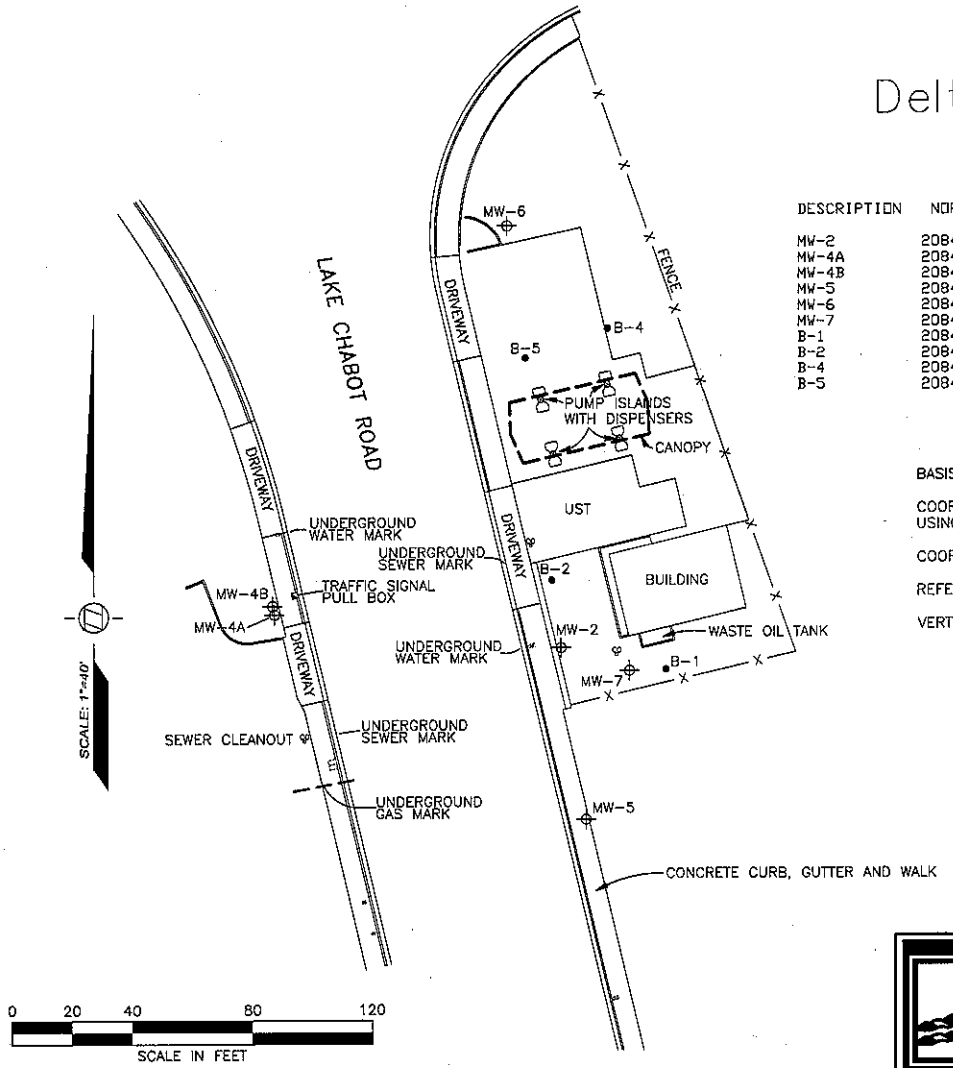
ATTACHMENT D
SURVEY MAP

Monitoring Well Exhibit

Prepared For:

Delta Environmental Consultants, Inc.

DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (PVC)	ELEV (BOX)	ELEV (GND)
MW-2	2084303.2	6101604.5	37.7083648	-122.0904426	231.66	232.23	
MW-4A	2084315.1	6101508.9	37.7083932	-122.0907738	232.55	233.06	
MW-4B	2084317.4	6101508.2	37.7083993	-122.0907762	232.91	233.22	
MW-5	2084245.5	6101612.9	37.7082069	-122.0904103	227.90	228.22	
MW-6	2084444.9	6101586.4	37.7087531	-122.0905135	241.74	242.17	
MW-7	2084295.4	6101627.3	37.7083446	-122.0903632	234.13	234.45	
B-1	2084295.8	6101639.6	37.7083462	-122.0903208			234.7
B-2	2084325.9	6101601.4	37.7084269	-122.0904547			234.0
B-4	2084410.4	6101620.0	37.7086601	-122.0903952			238.8
B-5	2084400.5	6101592.5	37.7086315	-122.0904899			238.1



BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL REFERENCE NETWORK.

COORDINATE DATUM IS NAD 83.

REFERENCE GEOID IS GEOID03.

VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.

76 Service Station No. 5484
18950 Lake Chabot Road
Castro Valley
Alameda County
California

Morrow Surveying
LAND SURVEYORS

1255 Starboard Drive
West Sacramento
California 95691
(916) 372-8124
curt@morrowsurveying.com

Date: February, 2009
Scale: 1" = 40'
Sheet 1 of 1
Revised:
Field Book: MW-43
Dwg. No. 1275-071 ct

ATTACHMENT E
BORING LOGS AND DWR COMPLETION REPORTS

Delta
Consultants

Project No:	5484	Client:	COP
Logged By:	E. Weyrens	Location:	Castro Valley
Driller:	Gregg	Date Drilled:	2/18/2009
Drilling Method:	HAS	Hole Diameter:	8"
Sampling Method:	Geoprobe	Hole Depth:	10'
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	10'
Gravel Pack:	#3	▼ First Water Depth:	
		▽ Static Water Depth:	

Boring/Well No: 4A
Page 1 of 1

Location Map

Elevation: Northing: Easting:

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1			Fill	Grass on top of fill down to 1 foot below grade
		Moist			2			CL	Sandy Lean Clay
									Brown in color, moist, fine grained sand
					3				Moist, no odors
		Wet							Water coming in at 3 fbg, possibly due to the rain or irrigation for the grass
					4				
					5				Increase in Gravel content at 4.5 fbg
									subangular to angular gravel, up to .5 of an inch in diameter.
					6				
					7				
					8	X			Increase in Density at 8 fbg
		wet	0	MW-4A@9	9	X	O		
		dry							At 9 fbg hit hard material, possibly a large rock, hard pan or bedrock, judging by the angular pieces of gravel, it is bedrock
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta
Consultants

Project No:	5484	Client:	COP
Logged By:	E. Weyrens	Location:	Castro Valley
Driller:	Gregg	Date Drilled:	2/18/2009
Drilling Method:	HAS	Hole Diameter:	8"
Sampling Method:	Geoprobe	Hole Depth:	14'
Casing Type:	PVC	Well Diameter:	2"
Slot Size:	0.02	Well Depth:	14'
Gravel Pack:	#3	▼ First Water Depth:	
		▽ Static Water Depth:	

Boring/Well No: 4B
Page 1 of 1

Location Map

Elevation: Northing: Easting:

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1			Fill	Grass on top of fill down to 1 foot below grade
		Moist			2			CL	Sandy Lean Clay
									Brown in color, moist, fine grained sand
		Wet			3				Moist, no odors
									Water coming in at 3 fbg, possibly due to the rain or irrigation for the grass
					4				
					5				Increase in Gravel content at 4.5 fbg
									subangular to angular gravel, up to .5 of an inch in diameter.
					6				
					7				
					8				Fractured bedrock at 7 fbg (Switch to split spoon)
					9	X			Weathered bedrock
						X			Yellowish brown 10YR 5/4
		dry	0.6	MW-4B@10	10	X	O		Hard, No odor
					11				
					12				
					13	X			Same as above
						X			
		dry	0.8	MW-4B@14	14	X	O		
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

ATTACHMENT F
LABORATORY RESULTS

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 04/01/2009

Jim Barnard

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

RE: 5484
BC Work Order: 0902465
Invoice ID: B058133

Enclosed are the results of analyses for samples received by the laboratory on 2/23/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0902465-01	**COC Number:**	---	**Receive Date:**	02/23/2009 21:30	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	02/18/2009 09:40	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-4A
	Sampling Point:	MW-4A@9	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	Ed Weyrens of DECR			Sample QC Type (SACode): CS
					Cooler ID:
0902465-02	**COC Number:**	---	**Receive Date:**	02/23/2009 21:30	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	02/18/2009 11:16	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-4B
	Sampling Point:	MW-4B@10	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0902465-03	**COC Number:**	---	**Receive Date:**	02/23/2009 21:30	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	02/18/2009 11:34	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-4B
	Sampling Point:	MW-4B@14	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0902465-04	**COC Number:**	---	**Receive Date:**	02/23/2009 21:30	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	02/18/2009 11:31	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): Waste
	Sampling Point:	Waste	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902465-01 | **Client Sample Name:** 5484, MW-4A@9, 2/18/2009 9:40:00AM, Ed Weyrens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	70 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008		
Toluene-d8 (Surrogate)	97.9	%	81 - 117 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008		
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:04	LHS	MS-V2	1	BSB2008		

Delta Environmental Consultants, Inc. 11050 White Rock Rd, Suite 110 Rancho Cordova, CA 95670	Project: 5484 Project Number: 4511269983 Project Manager: Jim Barnard	**Reported:** 04/01/2009 11:25

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902465-01 | **Client Sample Name:** 5484, MW-4A@9, 2/18/2009 9:40:00AM, Ed Weyrens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0		Luft	02/23/09	02/24/09 12:50	JJH	GC-V8	1	BSB1666	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	81.2	%	70 - 130 (LCL - UCL)		Luft	02/23/09	02/24/09 12:50	JJH	GC-V8	1	BSB1666		

Delta Environmental Consultants, Inc. 11050 White Rock Rd, Suite 110 Rancho Cordova, CA 95670	Project: 5484 Project Number: 4511269983 Project Manager: Jim Barnard	**Reported:** 04/01/2009 11:25

Total Concentrations (TTLC)

BCL Sample ID: 0902465-01 **Client Sample Name:** 5484, MW-4A@9, 2/18/2009 9:40:00AM, Ed Weyrens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	7.2	mg/kg	2.5		EPA-6010B	03/03/09	03/04/09 10:38	ARD	PE-OP1	0.980	BSC0137	ND	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902465-02 | **Client Sample Name:** 5484, MW-4B@10, 2/18/2009 11:16:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008		
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008		
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:30	LHS	MS-V2	1	BSB2008		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902465-02 | **Client Sample Name:** 5484, MW-4B@10, 2/18/2009 11:16:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0		Luft	02/23/09	02/24/09 13:21	JJH	GC-V8	1	BSB1666	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	78.2	%	70 - 130 (LCL - UCL)		Luft	02/23/09	02/24/09 13:21	JJH	GC-V8	1	BSB1666		

Delta Environmental Consultants, Inc.	Project: 5484	**Reported:** 04/01/2009 11:25
11050 White Rock Rd, Suite 110	Project Number: 4511269983	
Rancho Cordova, CA 95670	Project Manager: Jim Barnard	

Total Concentrations (TTLC)

BCL Sample ID: 0902465-02 | **Client Sample Name:** 5484, MW-4B@10, 2/18/2009 11:16:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	13	mg/kg	2.5		EPA-6010B	03/03/09	03/04/09 10:40	ARD	PE-OP1	0.952	BSC0137	ND	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902465-03 | **Client Sample Name:** 5484, MW-4B@14, 2/18/2009 11:34:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008		
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008		
4-Bromofluorobenzene (Surrogate)	94.9	%	74 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 06:56	LHS	MS-V2	1	BSB2008		

Delta Environmental Consultants, Inc.	Project: 5484	**Reported:** 04/01/2009 11:25
11050 White Rock Rd, Suite 110	Project Number: 4511269983	
Rancho Cordova, CA 95670	Project Manager: Jim Barnard	

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902465-03 | **Client Sample Name:** 5484, MW-4B@14, 2/18/2009 11:34:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0		Luft	02/23/09	02/24/09 13:51	JJH	GC-V8	1	BSB1666	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	85.5	%	70 - 130 (LCL - UCL)		Luft	02/23/09	02/24/09 13:51	JJH	GC-V8	1	BSB1666		

Delta Environmental Consultants, Inc. 11050 White Rock Rd, Suite 110 Rancho Cordova, CA 95670	Project: 5484 Project Number: 4511269983 Project Manager: Jim Barnard	**Reported:** 04/01/2009 11:25

Total Concentrations (TTLC)

BCL Sample ID: 0902465-03 | **Client Sample Name:** 5484, MW-4B@14, 2/18/2009 11:34:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	13	mg/kg	2.5		EPA-6010B	03/03/09	03/04/09 10:42	ARD	PE-OP1	0.980	BSC0137	ND	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902465-04 | **Client Sample Name:** 5484, Waste, 2/18/2009 11:31:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008	ND	
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008	ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008		
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008		
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260	02/27/09	02/28/09 07:21	LHS	MS-V2	1	BSB2008		

Delta Environmental Consultants, Inc. 11050 White Rock Rd, Suite 110 Rancho Cordova, CA 95670	Project: 5484 Project Number: 4511269983 Project Manager: Jim Barnard	**Reported:** 04/01/2009 11:25

Total Concentrations (TTLC)

BCL Sample ID: 0902465-04 | **Client Sample Name:** 5484, Waste, 2/18/2009 11:31:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	9.8	mg/kg	2.5		EPA-6010B	03/03/09	03/04/09 10:43	ARD	PE-OP1	0.990	BSC0137	ND	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSB2008	Matrix Spike	0901538-64	0	0.12218	0.12500	mg/kg		97.7		70 - 130	
		Matrix Spike Duplicate	0901538-64	0	0.11811	0.12500	mg/kg	3.3	94.5	20	70 - 130	
Toluene	BSB2008	Matrix Spike	0901538-64	0	0.12720	0.12500	mg/kg		102		70 - 130	
		Matrix Spike Duplicate	0901538-64	0	0.12578	0.12500	mg/kg	1.0	101	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSB2008	Matrix Spike	0901538-64	ND	0.048628	0.050000	mg/kg		97.3		70 - 121	
		Matrix Spike Duplicate	0901538-64	ND	0.048690	0.050000	mg/kg		97.4		70 - 121	
Toluene-d8 (Surrogate)	BSB2008	Matrix Spike	0901538-64	ND	0.050658	0.050000	mg/kg		101		81 - 117	
		Matrix Spike Duplicate	0901538-64	ND	0.049793	0.050000	mg/kg		99.6		81 - 117	
4-Bromofluorobenzene (Surrogate)	BSB2008	Matrix Spike	0901538-64	ND	0.053755	0.050000	mg/kg		108		74 - 121	
		Matrix Spike Duplicate	0901538-64	ND	0.053252	0.050000	mg/kg		107		74 - 121	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Gasoline Range Organics (C4 - C12)	BSB1666	Matrix Spike	0901538-27	0	4.8597	5.0000	mg/kg		97.2		70 - 130	
		Matrix Spike Duplicate	0901538-27	0	5.3789	5.0000	mg/kg	10.5	108	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BSB1666	Matrix Spike	0901538-27	ND	0.040200	0.040000	mg/kg		100		70 - 130	
		Matrix Spike Duplicate	0901538-27	ND	0.039400	0.040000	mg/kg		98.5		70 - 130	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Lead	BSC0137	Duplicate	0902475-01	5.6089	5.7132		mg/kg	1.8		20		
		Matrix Spike	0902475-01	5.6089	98.977	98.039	mg/kg		95.2		75 - 125	
		Matrix Spike Duplicate	0902475-01	5.6089	100.93	98.039	mg/kg	2.1	97.2	20	75 - 125	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSB2008	BSB2008-BS1	LCS	0.11777	0.12500	0.0050	mg/kg	94.2		70 - 130		
Toluene	BSB2008	BSB2008-BS1	LCS	0.12494	0.12500	0.0050	mg/kg	100		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSB2008	BSB2008-BS1	LCS	0.049298	0.050000		mg/kg	98.6		70 - 121		
Toluene-d8 (Surrogate)	BSB2008	BSB2008-BS1	LCS	0.050799	0.050000		mg/kg	102		81 - 117		
4-Bromofluorobenzene (Surrogate)	BSB2008	BSB2008-BS1	LCS	0.052138	0.050000		mg/kg	104		74 - 121		

Delta Environmental Consultants, Inc.	Project: 5484	**Reported:** 04/01/2009 11:25
11050 White Rock Rd, Suite 110	Project Number: 4511269983	
Rancho Cordova, CA 95670	Project Manager: Jim Barnard	

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Gasoline Range Organics (C4 - C12)	BSB1666	BSB1666-BS1	LCS	4.7218	5.0000	1.0	mg/kg	94.4		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BSB1666	BSB1666-BS1	LCS	0.040800	0.040000		mg/kg	102		70 - 130		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Lead	BSC0137	BSC0137-BS1	LCS	105.44	100.00	2.5	mg/kg	105		75 - 125		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
1,2-Dibromoethane	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
Ethylbenzene	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
Methyl t-butyl ether	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
Toluene	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BSB2008	BSB2008-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
t-Butyl alcohol	BSB2008	BSB2008-BLK1	ND	mg/kg	0.050		
Diisopropyl ether	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
Ethanol	BSB2008	BSB2008-BLK1	ND	mg/kg	1.0		
Ethyl t-butyl ether	BSB2008	BSB2008-BLK1	ND	mg/kg	0.0050		
Total Purgeable Petroleum Hydrocarbons	BSB2008	BSB2008-BLK1	ND	mg/kg	0.20		
1,2-Dichloroethane-d4 (Surrogate)	BSB2008	BSB2008-BLK1	96.4	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSB2008	BSB2008-BLK1	98.5	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSB2008	BSB2008-BLK1	105	%	74 - 121 (LCL - UCL)		

Delta Environmental Consultants, Inc.	Project: 5484	**Reported:** 04/01/2009 11:25
11050 White Rock Rd, Suite 110	Project Number: 4511269983	
Rancho Cordova, CA 95670	Project Manager: Jim Barnard	

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Gasoline Range Organics (C4 - C12)	BSB1666	BSB1666-BLK1	ND	mg/kg	1.0		
a,a,a-Trifluorotoluene (FID Surrogate)	BSB1666	BSB1666-BLK1	104	%	70 - 130 (LCL - UCL)		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 5484
Project Number: 4511269983
Project Manager: Jim Barnard

Reported: 04/01/2009 11:25

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Lead	BSC0137	BSC0137-BLK1	ND	mg/kg	2.5		

Delta Environmental Consultants, Inc. 11050 White Rock Rd, Suite 110 Rancho Cordova, CA 95670	Project: 5484 Project Number: 4511269983 Project Manager: Jim Barnard	**Reported:** 04/01/2009 11:25

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

ConocoF[illegible]llips Chain Of Custody Record

BC La[illegible]tories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
(661) 327-4911 (661) 327-1918 fax

ConocoPhillips Site Manager: TERRY GRAYSON

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS, Attn: Dee Hutchinson, 3611 South Harbor, Suite 200, Santa Ana, CA. 92704

ConocoPhillips Work Order Number: TBD

ConocoPhillips Cost Object:

DATE: 2/18/09

PAGE: 1 of 1

SAMPLING COMPANY: Delta Consultants	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 5484	GLOBAL ID NO.:
ADDRESS: 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 18950 Lake Chabot Rd, Castro Valley, CA	CONOCOPHILLIPS SITE MANAGER: TERRY GRAYSON
PROJECT CONTACT (Hardcopy or PDF Report to): JIM BARNARD		PHONE NO.:	E-MAIL:
TELEPHONE:	FAX: 916-638-8385	E-MAIL:	LAB USE ONLY: 0902465
SAMPLER NAME(S) (Print): Ed Weymans	CONSULTANT PROJECT NUMBER: C105484171		

TURNAROUND TIME (CALENDAR DAYS): ☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015M-TPHs	8260B - TPPH/BTEX/ MTBE/ DIPE/ ETBE/ TBA/ TAME/ 1,2-DCA/ EDB/ Ethanol	1664 - Total Oil and Grease	8260 - VOC's	8270C - SVOC's	8082 - PCB's		~~[illegible]~~	TPPH, BTEX, MTBE - 8260B	Total Lead - 6010B	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT C°
-1	MW-4A@9	2/18	9:40	Soil	1	X	X						~~X~~		X		
-2	MW-4B@10	↓	11:16	↓	↓	X	X						~~X~~		X		
-3	MW-4B@14		11:34			X	X						~~X~~		X		
-4	Waste	↓	11:31	↓	↓									X	X		

CHK BY [signature]   DISTRIBUTION [illegible]   SUB-OUT ☐

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Ross Durkay BC LABS	2/23/09	1246
Ross Durkay 2/23/09	R Kru[signature]	2.23.09	1800
R Kru[signature] 2.23.09 2130	[signature]	2-23-09	2130

9/19/03 Revision

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page __ Of __

Submission #: 0902465

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Container ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: VOA Thermometer ID: TH103

Temperature: A 2.8 °C / C 2.10 °C

Date/Time 2-23-09 2135

Analyst Init: (illegible)

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	A	A	A	A						
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: Am Date/Time: 02-24-09 0005

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 03/06/2009

Anju Farfan

TRC
21 Technology Drive
Irvine, CA 92618

RE: 5484
BC Work Order: 0902741
Invoice ID: B058443

Enclosed are the results of analyses for samples received by the laboratory on 2/26/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0902741-01	COC Number:	---	Receive Date:	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5484	Sampling Date:	02/25/2009 13:38	Global ID: T0600101453
	Sampling Location:	---	Sample Depth:	---	Location ID (FieldPoint): MW-6
	Sampling Point:	MW-6	Sample Matrix:	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902741-02	COC Number:	---	Receive Date:	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5484	Sampling Date:	02/25/2009 13:50	Global ID: T0600101453
	Sampling Location:	---	Sample Depth:	---	Location ID (FieldPoint): MW-2
	Sampling Point:	MW-2	Sample Matrix:	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902741-03	COC Number:	---	Receive Date:	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5484	Sampling Date:	02/25/2009 12:35	Global ID: T0600101453
	Sampling Location:	---	Sample Depth:	---	Location ID (FieldPoint): MW-4B
	Sampling Point:	MW-4B	Sample Matrix:	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902741-04	COC Number:	---	Receive Date:	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5484	Sampling Date:	02/25/2009 13:28	Global ID: T0600101453
	Sampling Location:	---	Sample Depth:	---	Location ID (FieldPoint): MW-4A
	Sampling Point:	MW-4A	Sample Matrix:	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC 21 Technology Drive Irvine, CA 92618	Project: 5484 Project Number: 4511010874 Project Manager: Anju Farfan	**Reported:** 03/06/2009 16:54

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0902741-05	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	02/25/2009 14:16	Global ID: T0600101453
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-5
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902741-06	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	02/25/2009 14:11	Global ID: T0600101453
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-7
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	

TRC 21 Technology Drive Irvine, CA 92618	Project: 5484 Project Number: 4511010874 Project Manager: Anju Farfan	**Reported:** 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane-d4 (Surrogate)	111	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071		
4-Bromofluorobenzene (Surrogate)	98.6	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 05:33	SVM	MS-V9	1	BSC0071		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
bis(2-Ethylhexyl)phthalate	**5.9**	**ug/L**	**4.0**		**EPA-8270C**	**03/04/09**	**03/06/09 02:40**	**SKC**	**MS-B2**	**1**	**BSC0311**	**ND**	**M03**
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Methylnaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Naphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311	ND	
2-Fluorophenol (Surrogate)	58.3	%	36 - 98 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311		
Phenol-d5 (Surrogate)	53.0	%	10 - 89 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311		
Nitrobenzene-d5 (Surrogate)	82.8	%	59 - 122 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311		
2-Fluorobiphenyl (Surrogate)	85.1	%	44 - 138 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	94.3	%	51 - 139 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311		
p-Terphenyl-d14 (Surrogate)	86.8	%	23 - 173 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 02:40	SKC	MS-B2	1	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902741-01 | **Client Sample Name:** 5484, MW-6, 2/25/2009 1:38:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022	ND	
Toluene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8021	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	80.5	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	88.8	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/02/09 18:43	JJH	GC-V4	1	BSC0022		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Methyl t-butyl ether	**270**	**ug/L**	**5.0**		**EPA-8260**	**03/04/09**	**03/05/09 19:14**	**SVM**	**MS-V9**	**10**	**BSC0071**	**ND**	**A01**

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane-d4 (Surrogate)	113	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 19:14	SVM	MS-V9	10	BSC0071		
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 19:14	SVM	MS-V9	10	BSC0071		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 05:59	SVM	MS-V9	1	BSC0071		
4-Bromofluorobenzene (Surrogate)	97.7	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 19:14	SVM	MS-V9	10	BSC0071		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	M03
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Methylnaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Naphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311	ND	
2-Fluorophenol (Surrogate)	65.8	%	36 - 98 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311		
Phenol-d5 (Surrogate)	57.1	%	10 - 89 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311		
Nitrobenzene-d5 (Surrogate)	80.7	%	59 - 122 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311		
2-Fluorobiphenyl (Surrogate)	83.1	%	44 - 138 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	103	%	51 - 139 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311		
p-Terphenyl-d14 (Surrogate)	82.2	%	23 - 173 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:07	SKC	MS-B2	0.960	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902741-02 | **Client Sample Name:** 5484, MW-2, 2/25/2009 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.64**	**ug/L**	**0.30**		**EPA-8021**	**03/02/09**	**03/02/09 19:07**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
Toluene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:07	JJH	GC-V4	1	BSC0022	ND	
Ethylbenzene	**6.9**	**ug/L**	**0.30**		**EPA-8021**	**03/02/09**	**03/02/09 19:07**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
Methyl t-butyl ether	**220**	**ug/L**	**10**		**EPA-8021**	**03/02/09**	**03/03/09 15:48**	**JJH**	**GC-V4**	**10**	**BSC0022**	**ND**	**A01**
Total Xylenes	ND	ug/L	0.60		EPA-8021	03/02/09	03/02/09 19:07	JJH	GC-V4	1	BSC0022	ND	
Gasoline Range Organics (C4 - C12)	**260**	**ug/L**	**50**		**Luft**	**03/02/09**	**03/02/09 19:07**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
a,a,a-Trifluorotoluene (PID Surrogate)	81.2	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/03/09 15:48	JJH	GC-V4	10	BSC0022		
a,a,a-Trifluorotoluene (PID Surrogate)	90.3	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/02/09 19:07	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	98.5	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/02/09 19:07	JJH	GC-V4	1	BSC0022		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane-d4 (Surrogate)	111	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071		
4-Bromofluorobenzene (Surrogate)	99.0	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 06:25	SVM	MS-V9	1	BSC0071		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
bis(2-Ethylhexyl)phthalate	**5.3**	**ug/L**	**4.0**		**EPA-8270C**	**03/04/09**	**03/06/09 03:34**	**SKC**	**MS-B2**	**0.960**	**BSC0311**	**ND**	**M03**
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Methylnaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Naphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311	ND	
2-Fluorophenol (Surrogate)	55.9	%	36 - 98 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311		
Phenol-d5 (Surrogate)	44.9	%	10 - 89 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311		
Nitrobenzene-d5 (Surrogate)	85.9	%	59 - 122 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311		
2-Fluorobiphenyl (Surrogate)	81.8	%	44 - 138 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	93.3	%	51 - 139 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311		
p-Terphenyl-d14 (Surrogate)	88.3	%	23 - 173 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 03:34	SKC	MS-B2	0.960	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902741-03 | **Client Sample Name:** 5484, MW-4B, 2/25/2009 12:35:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022	ND	
Toluene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8021	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	80.4	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	96.5	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/02/09 19:31	JJH	GC-V4	1	BSC0022		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane-d4 (Surrogate)	117	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071		S09
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 06:51	SVM	MS-V9	1	BSC0071		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	M03
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Methylnaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Naphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311	ND	
2-Fluorophenol (Surrogate)	55.9	%	36 - 98 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311		
Phenol-d5 (Surrogate)	41.3	%	10 - 89 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311		
Nitrobenzene-d5 (Surrogate)	73.8	%	59 - 122 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311		
2-Fluorobiphenyl (Surrogate)	79.1	%	44 - 138 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	94.2	%	51 - 139 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311		
p-Terphenyl-d14 (Surrogate)	87.1	%	23 - 173 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:01	SKC	MS-B2	0.990	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902741-04 | **Client Sample Name:** 5484, MW-4A, 2/25/2009 1:28:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022	ND	
Toluene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8021	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	82.6	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	95.2	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/02/09 19:55	JJH	GC-V4	1	BSC0022		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Methyl t-butyl ether	**2.1**	**ug/L**	**0.50**		**EPA-8260**	**03/04/09**	**03/04/09 13:27**	**SVM**	**MS-V9**	**1**	**BSC0071**	**ND**	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/04/09 13:27	SVM	MS-V9	1	BSC0071		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	M03
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Methylnaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Naphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311	ND	
2-Fluorophenol (Surrogate)	67.7	%	36 - 98 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311		
Phenol-d5 (Surrogate)	59.4	%	10 - 89 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311		
Nitrobenzene-d5 (Surrogate)	87.7	%	59 - 122 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311		
2-Fluorobiphenyl (Surrogate)	81.7	%	44 - 138 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5484 Project Number: 4511010874 Project Manager: Anju Farfan	**Reported:** 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	102	%	51 - 139 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311		
p-Terphenyl-d14 (Surrogate)	91.0	%	23 - 173 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:28	SKC	MS-B2	1	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902741-05 | **Client Sample Name:** 5484, MW-5, 2/25/2009 2:16:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022	ND	
Toluene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022	ND	
Methyl t-butyl ether	**1.5**	**ug/L**	**1.0**		**EPA-8021**	**03/02/09**	**03/02/09 20:19**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
Total Xylenes	ND	ug/L	0.60		EPA-8021	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	81.5	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	92.9	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/02/09 20:19	JJH	GC-V4	1	BSC0022		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Methyl t-butyl ether	**170**	**ug/L**	**5.0**		**EPA-8260**	**03/04/09**	**03/05/09 19:41**	**SVM**	**MS-V9**	**10**	**BSC0071**	**ND**	**A01**

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071	ND	
1,2-Dichloroethane-d4 (Surrogate)	113	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 19:41	SVM	MS-V9	10	BSC0071		
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071		
Toluene-d8 (Surrogate)	106	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071		
Toluene-d8 (Surrogate)	105	%	88 - 110 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 19:41	SVM	MS-V9	10	BSC0071		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 19:41	SVM	MS-V9	10	BSC0071		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	03/04/09	03/05/09 07:17	SVM	MS-V9	1	BSC0071		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	M03
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2-Methylnaphthalene	**16**	**ug/L**	**2.0**		**EPA-8270C**	**03/04/09**	**03/06/09 04:55**	**SKC**	**MS-B2**	**0.950**	**BSC0311**	**ND**	
Naphthalene	**27**	**ug/L**	**2.0**		**EPA-8270C**	**03/04/09**	**03/06/09 04:55**	**SKC**	**MS-B2**	**0.950**	**BSC0311**	**ND**	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311	ND	
2-Fluorophenol (Surrogate)	65.8	%	36 - 98 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311		
Phenol-d5 (Surrogate)	54.1	%	10 - 89 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311		
Nitrobenzene-d5 (Surrogate)	69.3	%	59 - 122 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311		
2-Fluorobiphenyl (Surrogate)	74.5	%	44 - 138 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	98.4	%	51 - 139 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311		
p-Terphenyl-d14 (Surrogate)	77.0	%	23 - 173 (LCL - UCL)		EPA-8270C	03/04/09	03/06/09 04:55	SKC	MS-B2	0.950	BSC0311		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0902741-06 | **Client Sample Name:** 5484, MW-7, 2/25/2009 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**15**	**ug/L**	**0.30**		**EPA-8021**	**03/02/09**	**03/02/09 20:44**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
Toluene	**0.70**	**ug/L**	**0.30**		**EPA-8021**	**03/02/09**	**03/02/09 20:44**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
Ethylbenzene	**70**	**ug/L**	**0.30**		**EPA-8021**	**03/02/09**	**03/02/09 20:44**	**JJH**	**GC-V4**	**1**	**BSC0022**	**ND**	
Methyl t-butyl ether	**130**	**ug/L**	**10**		**EPA-8021**	**03/02/09**	**03/03/09 16:13**	**JJH**	**GC-V4**	**10**	**BSC0022**	**ND**	**A01**
Total Xylenes	ND	ug/L	0.60		EPA-8021	03/02/09	03/02/09 20:44	JJH	GC-V4	1	BSC0022	ND	
Gasoline Range Organics (C4 - C12)	**1000**	**ug/L**	**500**		**Luft**	**03/02/09**	**03/03/09 16:13**	**JJH**	**GC-V4**	**10**	**BSC0022**	**ND**	**A01**
a,a,a-Trifluorotoluene (PID Surrogate)	90.9	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/03/09 16:13	JJH	GC-V4	10	BSC0022		
a,a,a-Trifluorotoluene (PID Surrogate)	109	%	70 - 130 (LCL - UCL)		EPA-8021	03/02/09	03/02/09 20:44	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	120	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/02/09 20:44	JJH	GC-V4	1	BSC0022		
a,a,a-Trifluorotoluene (FID Surrogate)	104	%	70 - 130 (LCL - UCL)		Luft	03/02/09	03/03/09 16:13	JJH	GC-V4	10	BSC0022		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Bromodichloromethane	BSC0071	Matrix Spike	0902741-05	0	27.785	25.000	ug/L		111		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	28.468	25.000	ug/L	2.7	114	20	70 - 130	
Chlorobenzene	BSC0071	Matrix Spike	0902741-05	0	26.213	25.000	ug/L		105		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	26.516	25.000	ug/L	0.9	106	20	70 - 130	
Chloroethane	BSC0071	Matrix Spike	0902741-05	0	26.293	25.000	ug/L		105		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	26.600	25.000	ug/L	0.9	106	20	70 - 130	
1,4-Dichlorobenzene	BSC0071	Matrix Spike	0902741-05	0	24.252	25.000	ug/L		97.0		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	23.743	25.000	ug/L	2.1	95.0	20	70 - 130	
1,1-Dichloroethane	BSC0071	Matrix Spike	0902741-05	0	27.308	25.000	ug/L		109		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	28.300	25.000	ug/L	3.6	113	20	70 - 130	
1,1-Dichloroethene	BSC0071	Matrix Spike	0902741-05	0	24.985	25.000	ug/L		99.9		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	25.821	25.000	ug/L	3.1	103	20	70 - 130	
Trichloroethene	BSC0071	Matrix Spike	0902741-05	0	26.780	25.000	ug/L		107		70 - 130	
		Matrix Spike Duplicate	0902741-05	0	26.833	25.000	ug/L	0	107	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSC0071	Matrix Spike	0902741-05	ND	10.552	10.000	ug/L		106		76 - 114	
		Matrix Spike Duplicate	0902741-05	ND	10.825	10.000	ug/L		108		76 - 114	
Toluene-d8 (Surrogate)	BSC0071	Matrix Spike	0902741-05	ND	10.243	10.000	ug/L		102		88 - 110	
		Matrix Spike Duplicate	0902741-05	ND	10.187	10.000	ug/L		102		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSC0071	Matrix Spike	0902741-05	ND	9.9218	10.000	ug/L		99.2		86 - 115	
		Matrix Spike Duplicate	0902741-05	ND	9.7499	10.000	ug/L		97.5		86 - 115	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Acenaphthene	BSC0311	Matrix Spike	0901538-08	0	53.815	50.000	ug/L		108		41 - 196	
		Matrix Spike Duplicate	0901538-08	0	55.601	50.000	ug/L	2.7	111	23	41 - 196	
1,4-Dichlorobenzene	BSC0311	Matrix Spike	0901538-08	0	38.582	50.000	ug/L		77.2		57 - 126	
		Matrix Spike Duplicate	0901538-08	0	35.950	50.000	ug/L	7.1	71.9	28	57 - 126	
2,4-Dinitrotoluene	BSC0311	Matrix Spike	0901538-08	0	56.343	50.000	ug/L		113		53 - 162	
		Matrix Spike Duplicate	0901538-08	0	56.770	50.000	ug/L	0.9	114	30	53 - 162	
Hexachlorobenzene	BSC0311	Matrix Spike	0901538-08	0	46.202	50.000	ug/L		92.4		49 - 161	
		Matrix Spike Duplicate	0901538-08	0	43.610	50.000	ug/L	5.8	87.2	26	49 - 161	
Hexachlorobutadiene	BSC0311	Matrix Spike	0901538-08	0	28.281	50.000	ug/L		56.6		38 - 113	
		Matrix Spike Duplicate	0901538-08	0	26.078	50.000	ug/L	8.1	52.2	30	38 - 113	
Hexachloroethane	BSC0311	Matrix Spike	0901538-08	0	33.142	50.000	ug/L		66.3		52 - 121	
		Matrix Spike Duplicate	0901538-08	0	32.207	50.000	ug/L	2.9	64.4	29	52 - 121	
Nitrobenzene	BSC0311	Matrix Spike	0901538-08	0	49.957	50.000	ug/L		99.9		61 - 146	
		Matrix Spike Duplicate	0901538-08	0	50.920	50.000	ug/L	2.1	102	29	61 - 146	
N-Nitrosodi-N-propylamine	BSC0311	Matrix Spike	0901538-08	0	47.746	50.000	ug/L		95.5		10 - 172	
		Matrix Spike Duplicate	0901538-08	0	42.560	50.000	ug/L	11.5	85.1	30	10 - 172	
Pyrene	BSC0311	Matrix Spike	0901538-08	0	54.569	50.000	ug/L		109		25 - 196	
		Matrix Spike Duplicate	0901538-08	0	56.965	50.000	ug/L	4.5	114	29	25 - 196	
1,2,4-Trichlorobenzene	BSC0311	Matrix Spike	0901538-08	0	40.902	50.000	ug/L		81.8		55 - 128	
		Matrix Spike Duplicate	0901538-08	0	38.902	50.000	ug/L	5.0	77.8	30	55 - 128	
4-Chloro-3-methylphenol	BSC0311	Matrix Spike	0901538-08	0	55.618	50.000	ug/L		111		10 - 211	
		Matrix Spike Duplicate	0901538-08	0	56.141	50.000	ug/L	0.9	112	25	10 - 211	
2-Chlorophenol	BSC0311	Matrix Spike	0901538-08	0	44.583	50.000	ug/L		89.2		54 - 136	
		Matrix Spike Duplicate	0901538-08	0	40.330	50.000	ug/L	10.0	80.7	28	54 - 136	
2-Methylphenol	BSC0311	Matrix Spike	0901538-08	0	46.117	50.000	ug/L		92.2		27 - 153	
		Matrix Spike Duplicate	0901538-08	0	44.359	50.000	ug/L	3.9	88.7	28	27 - 153	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
3- & 4-Methylphenol	BSC0311	Matrix Spike	0901538-08	0	72.138	50.000	ug/L		144		40 - 216	
		Matrix Spike Duplicate	0901538-08	0	70.035	50.000	ug/L	2.8	140	28	40 - 216	
4-Nitrophenol	BSC0311	Matrix Spike	0901538-08	0	29.906	50.000	ug/L		59.8		14 - 100	
		Matrix Spike Duplicate	0901538-08	0	31.405	50.000	ug/L	4.9	62.8	30	14 - 100	
Pentachlorophenol	BSC0311	Matrix Spike	0901538-08	0	67.063	50.000	ug/L		134		23 - 184	
		Matrix Spike Duplicate	0901538-08	0	61.896	50.000	ug/L	7.8	124	27	23 - 184	
Phenol	BSC0311	Matrix Spike	0901538-08	0	22.880	50.000	ug/L		45.8		10 - 80	
		Matrix Spike Duplicate	0901538-08	0	22.497	50.000	ug/L	1.8	45.0	28	10 - 80	
2,4,6-Trichlorophenol	BSC0311	Matrix Spike	0901538-08	0	48.355	50.000	ug/L		96.7		37 - 180	
		Matrix Spike Duplicate	0901538-08	0	47.980	50.000	ug/L	0.7	96.0	30	37 - 180	
2-Fluorophenol (Surrogate)	BSC0311	Matrix Spike	0901538-08	ND	52.839	80.000	ug/L		66.0		36 - 98	
		Matrix Spike Duplicate	0901538-08	ND	51.235	80.000	ug/L		64.0		36 - 98	
Phenol-d5 (Surrogate)	BSC0311	Matrix Spike	0901538-08	ND	33.193	80.000	ug/L		41.5		10 - 89	
		Matrix Spike Duplicate	0901538-08	ND	32.980	80.000	ug/L		41.2		10 - 89	
Nitrobenzene-d5 (Surrogate)	BSC0311	Matrix Spike	0901538-08	ND	66.016	80.000	ug/L		82.5		59 - 122	
		Matrix Spike Duplicate	0901538-08	ND	64.389	80.000	ug/L		80.5		59 - 122	
2-Fluorobiphenyl (Surrogate)	BSC0311	Matrix Spike	0901538-08	ND	57.741	80.000	ug/L		72.2		44 - 138	
		Matrix Spike Duplicate	0901538-08	ND	58.559	80.000	ug/L		73.2		44 - 138	
2,4,6-Tribromophenol (Surrogate)	BSC0311	Matrix Spike	0901538-08	ND	80.997	80.000	ug/L		101		51 - 139	
		Matrix Spike Duplicate	0901538-08	ND	80.588	80.000	ug/L		101		51 - 139	
p-Terphenyl-d14 (Surrogate)	BSC0311	Matrix Spike	0901538-08	ND	34.362	40.000	ug/L		85.9		23 - 173	
		Matrix Spike Duplicate	0901538-08	ND	32.621	40.000	ug/L		81.6		23 - 173	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSC0022	Matrix Spike	0901538-54	0	38.964	40.000	ug/L		97.4		70 - 130	
		Matrix Spike Duplicate	0901538-54	0	40.262	40.000	ug/L	3.6	101	20	70 - 130	
Toluene	BSC0022	Matrix Spike	0901538-54	0	39.235	40.000	ug/L		98.1		70 - 130	
		Matrix Spike Duplicate	0901538-54	0	40.464	40.000	ug/L	2.9	101	20	70 - 130	
Ethylbenzene	BSC0022	Matrix Spike	0901538-54	0	37.862	40.000	ug/L		94.7		70 - 130	
		Matrix Spike Duplicate	0901538-54	0	39.722	40.000	ug/L	4.7	99.3	20	70 - 130	
Methyl t-butyl ether	BSC0022	Matrix Spike	0901538-54	0	37.974	40.000	ug/L		94.9		70 - 130	
		Matrix Spike Duplicate	0901538-54	0	41.806	40.000	ug/L	10.1	105	20	70 - 130	
Total Xylenes	BSC0022	Matrix Spike	0901538-54	0	112.02	120.00	ug/L		93.4		70 - 130	
		Matrix Spike Duplicate	0901538-54	0	114.82	120.00	ug/L	2.4	95.7	20	70 - 130	
Gasoline Range Organics (C4 - C12)	BSC0022	Matrix Spike	0901538-54	0	979.34	1000.0	ug/L		97.9		70 - 130	
		Matrix Spike Duplicate	0901538-54	0	986.17	1000.0	ug/L	0.7	98.6	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	BSC0022	Matrix Spike	0901538-54	ND	40.841	40.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0901538-54	ND	40.503	40.000	ug/L		101		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BSC0022	Matrix Spike	0901538-54	ND	41.919	40.000	ug/L		105		70 - 130	
		Matrix Spike Duplicate	0901538-54	ND	42.495	40.000	ug/L		106		70 - 130	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Bromodichloromethane	BSC0071	BSC0071-BS1	LCS	28.018	25.000	0.50	ug/L	112		70 - 130		
Chlorobenzene	BSC0071	BSC0071-BS1	LCS	25.799	25.000	0.50	ug/L	103		70 - 130		
Chloroethane	BSC0071	BSC0071-BS1	LCS	26.986	25.000	0.50	ug/L	108		70 - 130		
1,4-Dichlorobenzene	BSC0071	BSC0071-BS1	LCS	22.991	25.000	0.50	ug/L	92.0		70 - 130		
1,1-Dichloroethane	BSC0071	BSC0071-BS1	LCS	28.529	25.000	0.50	ug/L	114		70 - 130		
1,1-Dichloroethene	BSC0071	BSC0071-BS1	LCS	25.704	25.000	0.50	ug/L	103		70 - 130		
Trichloroethene	BSC0071	BSC0071-BS1	LCS	28.387	25.000	0.50	ug/L	114		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSC0071	BSC0071-BS1	LCS	10.920	10.000		ug/L	109		76 - 114		
Toluene-d8 (Surrogate)	BSC0071	BSC0071-BS1	LCS	10.257	10.000		ug/L	103		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSC0071	BSC0071-BS1	LCS	9.7760	10.000		ug/L	97.8		86 - 115		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Acenaphthene	BSC0311	BSC0311-BS1	LCS	54.028	50.000	2.0	ug/L	108		44 - 180		
1,4-Dichlorobenzene	BSC0311	BSC0311-BS1	LCS	36.500	50.000	2.0	ug/L	73.0		56 - 130		
2,4-Dinitrotoluene	BSC0311	BSC0311-BS1	LCS	57.027	50.000	2.0	ug/L	114		62 - 151		
Hexachlorobenzene	BSC0311	BSC0311-BS1	LCS	40.765	50.000	2.0	ug/L	81.5		44 - 167		
Hexachlorobutadiene	BSC0311	BSC0311-BS1	LCS	25.950	50.000	2.0	ug/L	51.9		34 - 120		
Hexachloroethane	BSC0311	BSC0311-BS1	LCS	32.090	50.000	2.0	ug/L	64.2		47 - 129		
Nitrobenzene	BSC0311	BSC0311-BS1	LCS	46.385	50.000	2.0	ug/L	92.8		62 - 148		
N-Nitrosodi-N-propylamine	BSC0311	BSC0311-BS1	LCS	42.749	50.000	2.0	ug/L	85.5		51 - 145		
Pyrene	BSC0311	BSC0311-BS1	LCS	56.912	50.000	2.0	ug/L	114		10 - 202		
1,2,4-Trichlorobenzene	BSC0311	BSC0311-BS1	LCS	38.753	50.000	2.0	ug/L	77.5		54 - 132		
4-Chloro-3-methylphenol	BSC0311	BSC0311-BS1	LCS	50.707	50.000	5.0	ug/L	101		10 - 207		
2-Chlorophenol	BSC0311	BSC0311-BS1	LCS	41.175	50.000	2.0	ug/L	82.4		61 - 132		
2-Methylphenol	BSC0311	BSC0311-BS1	LCS	41.772	50.000	2.0	ug/L	83.5		55 - 138		
3- & 4-Methylphenol	BSC0311	BSC0311-BS1	LCS	67.655	50.000	2.0	ug/L	135		10 - 262		
4-Nitrophenol	BSC0311	BSC0311-BS1	LCS	27.861	50.000	2.0	ug/L	55.7		16 - 103		
Pentachlorophenol	BSC0311	BSC0311-BS1	LCS	62.433	50.000	10	ug/L	125		17 - 193		
Phenol	BSC0311	BSC0311-BS1	LCS	20.618	50.000	2.0	ug/L	41.2		10 - 84		
2,4,6-Trichlorophenol	BSC0311	BSC0311-BS1	LCS	46.605	50.000	5.0	ug/L	93.2		55 - 154		
2-Fluorophenol (Surrogate)	BSC0311	BSC0311-BS1	LCS	50.104	80.000		ug/L	62.6		36 - 98		
Phenol-d5 (Surrogate)	BSC0311	BSC0311-BS1	LCS	30.720	80.000		ug/L	38.4		10 - 89		
Nitrobenzene-d5 (Surrogate)	BSC0311	BSC0311-BS1	LCS	65.538	80.000		ug/L	81.9		59 - 122		
2-Fluorobiphenyl (Surrogate)	BSC0311	BSC0311-BS1	LCS	63.370	80.000		ug/L	79.2		44 - 138		
2,4,6-Tribromophenol (Surrogate)	BSC0311	BSC0311-BS1	LCS	75.636	80.000		ug/L	94.5		51 - 139		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
p-Terphenyl-d14 (Surrogate)	BSC0311	BSC0311-BS1	LCS	33.591	40.000		ug/L	84.0		23 - 173		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSC0022	BSC0022-BS1	LCS	38.748	40.000	0.30	ug/L	96.9		85 - 115		
Toluene	BSC0022	BSC0022-BS1	LCS	38.865	40.000	0.30	ug/L	97.2		85 - 115		
Ethylbenzene	BSC0022	BSC0022-BS1	LCS	37.472	40.000	0.30	ug/L	93.7		85 - 115		
Methyl t-butyl ether	BSC0022	BSC0022-BS1	LCS	39.070	40.000	1.0	ug/L	97.7		85 - 115		
Total Xylenes	BSC0022	BSC0022-BS1	LCS	110.86	120.00	0.60	ug/L	92.4		85 - 115		
Gasoline Range Organics (C4 - C12)	BSC0022	BSC0022-BS1	LCS	1033.0	1000.0	50	ug/L	103		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BSC0022	BSC0022-BS1	LCS	40.340	40.000		ug/L	101		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BSC0022	BSC0022-BS1	LCS	43.015	40.000		ug/L	108		70 - 130		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Bromodichloromethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Bromoform	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Bromomethane	BSC0071	BSC0071-BLK1	ND	ug/L	1.0		
Carbon tetrachloride	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Chlorobenzene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Chloroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Chloroform	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Chloromethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Dibromochloromethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,2-Dichlorobenzene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,3-Dichlorobenzene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,4-Dichlorobenzene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Dichlorodifluoromethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,1-Dichloroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,1-Dichloroethene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
cis-1,2-Dichloroethene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
trans-1,2-Dichloroethene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,2-Dichloropropane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
cis-1,3-Dichloropropene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
trans-1,3-Dichloropropene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Methylene chloride	BSC0071	BSC0071-BLK1	ND	ug/L	1.0		
Methyl t-butyl ether	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,1,2,2-Tetrachloroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Tetrachloroethene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,1,1-Trichloroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,1,2-Trichloroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Trichloroethene	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Trichlorofluoromethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,1,2-Trichloro-1,2,2-trifluoroethane	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
Vinyl chloride	BSC0071	BSC0071-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BSC0071	BSC0071-BLK1	97.1	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSC0071	BSC0071-BLK1	102	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSC0071	BSC0071-BLK1	103	%	86 - 115 (LCL - UCL)		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Acenaphthene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Acenaphthylene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Anthracene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzo[a]anthracene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzo[b]fluoranthene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzo[k]fluoranthene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzo[a]pyrene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzo[g,h,i]perylene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzoic acid	BSC0311	BSC0311-BLK1	ND	ug/L	10		
Benzyl alcohol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Benzyl butyl phthalate	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
bis(2-Chloroethoxy)methane	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
bis(2-Chloroethyl) ether	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
bis(2-Chloroisopropyl)ether	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
bis(2-Ethylhexyl)phthalate	BSC0311	BSC0311-BLK1	ND	ug/L	4.0		M03
4-Bromophenyl phenyl ether	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
4-Chloroaniline	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2-Chloronaphthalene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
4-Chlorophenyl phenyl ether	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Chrysene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Dibenzo[a,h]anthracene	BSC0311	BSC0311-BLK1	ND	ug/L	3.0		
Dibenzofuran	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
1,2-Dichlorobenzene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
1,3-Dichlorobenzene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,4-Dichlorobenzene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
3,3-Dichlorobenzidine	BSC0311	BSC0311-BLK1	ND	ug/L	10		
Diethyl phthalate	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Dimethyl phthalate	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Di-n-butyl phthalate	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2,4-Dinitrotoluene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2,6-Dinitrotoluene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Di-n-octyl phthalate	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Fluoranthene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Fluorene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Hexachlorobenzene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Hexachlorobutadiene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Hexachlorocyclopentadiene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Hexachloroethane	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Indeno[1,2,3-cd]pyrene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Isophorone	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2-Methylnaphthalene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Naphthalene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2-Nitroaniline	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
3-Nitroaniline	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
4-Nitroaniline	BSC0311	BSC0311-BLK1	ND	ug/L	5.0		
Nitrobenzene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
N-Nitrosodi-N-propylamine	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
N-Nitrosodiphenylamine	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Phenanthrene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Pyrene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
1,2,4-Trichlorobenzene	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
4-Chloro-3-methylphenol	BSC0311	BSC0311-BLK1	ND	ug/L	5.0		
2-Chlorophenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2,4-Dichlorophenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2,4-Dimethylphenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
4,6-Dinitro-2-methylphenol	BSC0311	BSC0311-BLK1	ND	ug/L	10		
2,4-Dinitrophenol	BSC0311	BSC0311-BLK1	ND	ug/L	10		
2-Methylphenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
3- & 4-Methylphenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2-Nitrophenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
4-Nitrophenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
Pentachlorophenol	BSC0311	BSC0311-BLK1	ND	ug/L	10		
Phenol	BSC0311	BSC0311-BLK1	ND	ug/L	2.0		
2,4,5-Trichlorophenol	BSC0311	BSC0311-BLK1	ND	ug/L	5.0		
2,4,6-Trichlorophenol	BSC0311	BSC0311-BLK1	ND	ug/L	5.0		
2-Fluorophenol (Surrogate)	BSC0311	BSC0311-BLK1	75.1	%	36 - 98 (LCL - UCL)		
Phenol-d5 (Surrogate)	BSC0311	BSC0311-BLK1	47.0	%	10 - 89 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BSC0311	BSC0311-BLK1	92.0	%	59 - 122 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BSC0311	BSC0311-BLK1	86.7	%	44 - 138 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BSC0311	BSC0311-BLK1	113	%	51 - 139 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BSC0311	BSC0311-BLK1	94.6	%	23 - 173 (LCL - UCL)		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5484
Project Number: 4511010874
Project Manager: Anju Farfan

Reported: 03/06/2009 16:54

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSC0022	BSC0022-BLK1	ND	ug/L	0.30		
Toluene	BSC0022	BSC0022-BLK1	ND	ug/L	0.30		
Ethylbenzene	BSC0022	BSC0022-BLK1	ND	ug/L	0.30		
Methyl t-butyl ether	BSC0022	BSC0022-BLK1	ND	ug/L	1.0		
Total Xylenes	BSC0022	BSC0022-BLK1	ND	ug/L	0.60		
Gasoline Range Organics (C4 - C12)	BSC0022	BSC0022-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (PID Surrogate)	BSC0022	BSC0022-BLK1	83.0	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BSC0022	BSC0022-BLK1	96.4	%	70 - 130 (LCL - UCL)		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5484 Project Number: 4511010874 Project Manager: Anju Farfan	**Reported:** 03/06/2009 16:54

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
M03	Analyte detected in the Method Blank at a level between the PQL and the MDL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

35 [redacted]

BC LABORATORIES, INC.

4100 Atlas Court Bakersfield, CA 93308
(661) 327-4911 FAX (661) 327-1918

CHAIN OF CUSTODY

09-02741

Analysis Requested

Bill to: Conoco Phillips/ TRC

Address: 18950 Lake Chabot RD.

City: Castro Valley

State: CA Zip:

Conoco Phillips Mgr: Terry Grayson

Consultant Firm: TRC

21 Technology Drive
Irvine, CA 92618-2302
Attn: Anju Farfan

4-digit site#: 5484

Workorder #01421-4511010874

Project #: 165521

Sampler Name: JOE/RICK

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	BTEX/MTBE by 8021B, ~~Gas by 8015~~	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS	HVOC's (8010 list) by 8260 TBA by 8260B	SVOC's by 8270		Turnaround Time Requested
	-1	MW-6	02-25-09 1338	GW	X	X						X	X		STD
	-2	MW-2	↓ 1350	↓	↓	↓						↓	↓		↓
	-3	MW-4B	1235	↓	↓	↓						↓	↓		↓
	-4	MW-4A	1328 JL ~~1338~~	↓	↓	↓						↓	↓		↓
	-5	MW-5	1416	↓	↓	↓						↓	↓		↓
	-6	MW-7	1411	↓	↓	↓						↓	↓		↓

CHK BY: PLM DISTRIBUTION: [illegible] SUB-OUT ☐

Comments:

GLOBAL ID: T0600101453

Relinquished by: (Signature)	Received by:	Date & Time
Joe D. Lewis	refrigerator	02-25-09 1530
[signature]	Ross Widay	2/26/09 1410
Ross Widay 2/26/09	R. Reynolds	2-26-09 1825

R. Reynolds 2-26-09 2150 [signature] 2-26-09 2150

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 2

Submission #: 09-02741

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: TH103

Temperature: A 4.9 °C / C 4.7 °C

Date/Time 2-20-09 2010

Analyst Init JDW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE/NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A (6)	A (6)	A (6)	A (6)	A (6)	A (6)				
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER	BC	BC	BC		BC	BC				
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: JDW Date/Time: 2/27/09 2335

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 2 Of 2

Submission #: 09-02741

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: TH103

Temperature: A 3.4 °C / C 3.2 °C

Date/Time 2-20-09 2210

Analyst Init JDW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE/ NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER				BC						
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: JDW Date/Time: 2/27/09 2335

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]