City Of Oakland Attn: Leroy Griffin 250 Frank H. Ogawa Plaza Suite 3341 Oakland Ca 94612-2032

Alameda County MAY 3 0 2008

**Environmental Health** 

Alameda County Health Agency Department Of Environmental Health Attn: Donna Drogos 1131 Harbour Bay Parkway,2nd Floor Alameda, CA 94502

Re: 6415 International Blvd

We have just completed a Phase 2 Environmental investigation on our property, and the results came back as a "low risk soil and ground water site". Priorty inspection was done by DGC Associates located in Pleasanton CA. We would like to submit the results of the investigation for review so we can get clearance from (ACEHD) to satisfy the buyer who is currently under contract to purchase the property. We appreciate your time and consideration.

Thank You.

In cay S-Campbell
Tracey S. Campbell
Phone: (310)677-8680

Fax:same

tracebell@aol.com 307 W. Fairview Blvd. Inglewood, Ca 90302

Jaleesa Hazzard
Phone:(323)-702-3227
Fax:(323)735-3513
jalhaz@aol.com
1722 Virginia Road
Los Angeles, Ca. 90012

Hamid Grinage. Realtor
Prudential Callfornia Realty
Phone: 510-834-2010
Fax: 510-834-3841
Hamid.grinage@prurealty.com
3320 Grand ave.
Oakland, Ca 94610



3942 Valley Avenue, Suite J Pleasanton, California 94566

#### GEOTECHNICAL DENVIRONMENTAL D MATERIAL!

|   | - Charles |
|---|-----------|
|   | 1111      |
| - |           |
| S | 1/1/1     |

| Project No. E8448-06-01 | Head & Received |  |  |  |
|-------------------------|-----------------|--|--|--|
| May 7, 2008             | By:             |  |  |  |
| Ms. Holly Moore         |                 |  |  |  |
| DGC Associates          | Datos           |  |  |  |

Subject:

LIMITED SOIL AND GRAB GROUNDWATER SAMPLING REPORT

Date:

PLUCKY'S LIQUORS / FORMER GASOLINE STATION

6415 INTERNATIONAL BOULEVARD

OAKLAND, CALIFORNIA

Dear Ms. Moore:

On April 22, 2008, Geocon collected soil and groundwater samples at the above-referenced site (see Figure 1).

Borings were advanced to assess soil and shallow groundwater quality conditions that may have been impacted by the past gasoline station operations at the property from 1935 to 1975.

#### **MOBILIZATION**

Prior to conducting the soil and groundwater investigation, Geocon obtained a drilling permit from the Alameda County Public Works Agency. A copy of the permit is attached.

Underground Services Alert was notified regarding the drilling activities and Cruz Brothers Locators (Cruz Brothers), a private utility locating service, was contracted to conduct a geophysical survey and utility clearance prior to determining the soil boring locations and conducting the field sampling.

Cruz Brothers did not detect the presence of underground storage tanks (USTs) during the geophysical survey, however they did identify the presence of one excavation area along the northwest side of the site building where boring SB-5 was advanced (see Figure 2).

#### SOIL AND GRAB GROUNDWATER SAMPLING

Geocon advanced six soil borings at the site (SB-1 through SB-6). The boring locations are shown on Figure 2. The locations were selected based on the site layout, information obtained from informed individuals, the presumed westward groundwater flow direction, and the geophysical survey.

SB-1 was placed near the southwest property border for two reasons: 1) to assess soil and groundwater quality conditions along the backside of the property building where waste oil USTs are sometimes

located; and 2) to assess the potential that contaminants in groundwater (should they exist) have migrated offsite.

SB-2, SB-3, SB-5, and SB-6 were placed in areas where former USTs were suspected to have been located, and SB-4 was placed to assess soil conditions beneath one of the two known former fuel dispenser islands (the other dispenser island was located along the southeast side of the site building near SB-2).

One soil sample was collected from SB-1 at a depth of 15 feet where a slight petroleum odor was noticed. Two soil samples were collected from SB-2 at depths 16 and 20 feet. The 16-foot soil sample was collected where the strongest petroleum odors were present, and the 20-foot sample was collected to assess the vertical definition of impacted soil at this location. Two soil samples were collected at SB-3 at depths of 13 and 20 feet for the same reason as those collected from SB-2.

One soil sample was collected from SB-4 at a depth of 8 feet to assess potential impacts to soil beneath the former fuel dispenser island, and one soil sample was collected from SB-5 at a depth of 16 feet immediately below first encountered groundwater. Groundwater was not encountered in SB-6 so one soil sample was collected at a depth of 14 feet where a slight petroleum odor was noticed, and two more samples (20 feet below ground surface [bgs] and 31 feet bgs) were collected to assess the vertical definition of potential impacts to soil in this area.

Soil samples were collected from the six borings using a Geoprobe direct-push sample rig operated by En Prob personnel. The boreholes at each sample location were continuously logged from ground surface to total depth by hydraulically advancing a four-foot-long core barrel sampler lined with an acetate sample tube. Soil samples from selected depth intervals were cut from the acetate sample tube, the ends capped with Teflon tape and rubber end caps, and placed in a chest for storage and delivery to the analytical laboratory.

Grab-groundwater samples were collected from each borehole by installing a temporary %-inch-diameter PVC well casing into the open boreholes once it was established that groundwater was present. Groundwater samples were extracted from each boring using %-inch-diamater polyethylene tubing fitted with a check valve. Groundwater was forced through the tubing towards ground surface as the tubing was manually moved up and down inside the temporary well casings. Groundwater samples were collected in 40 milliliter (ml) glass vials preserved with hydrochloric acid and one liter amber glass containers for transport to the analytical laboratory.

All soil sampling equipment was cleaned between sample locations using a non-phosphate detergent and deionized water rinse. The rinsate fluids and soil cuttings generated during the field sampling were containerized, and transported back to the Geocon warehouse in Livermore for temporary storage and disposal.

#### SUBSURFACE SOIL AND GROUNDWATER CONDITIONS

Soils encountered during this investigation consisted of primarily of sandy and silty clay from near ground surface to the total depth of 31 feet at SB-6. Clayey gravel was encountered in borings SB-1 through SB-3 and SB-6 at depths ranging from 6 to 12 feet. It was also logged in borings SB-1 and SB-2 at depths of 14 to 15 feet, where petroleum odors were first observed at these two locations.

Some gravelly sand was also observed in boring SB-3 from 12 to 16 feet bgs, in boring SB-4 from 5 to

8 feet bgs, in boring SB-5 from 14 to 16 feet bgs, and in boring SB-6 from 7.5 to 9 feet bgs.

Petroleum odors were observed in soil and/or groundwater in all borings, except SB-4.

A slight petroleum odor was observed in soil from 14 to 15 feet bgs in SB-1; however it was not noticeable in soil below this depth, and the grab groundwater sample collected from SB-1 did not have a noticeable petroleum odor. Groundwater was first encountered in SB-1 at a depth of approximately 21 feet, and it rose to a depth of approximately 9 feet after two hours.

Petroleum odors in SB-2 were observed in soil located from 14 feet bgs to 24 feet bgs, and groundwater initially encountered at 21 feet bgs also had a noticeable petroleum odor. Groundwater rose to approximately nine feet bgs within one half hour after collecting a groundwater sample.

A noticeable petroleum odor was encountered in soils located from 12 to 16 feet bgs in SB-3; however the odor was not apparent in soils located from 16 feet bgs to the total depth of the borehole (28 feet bgs). Groundwater was initially encountered at 26 feet bgs and it had a petroleum odor. Groundwater rose to within nine feet of ground surface soon after the soil sampling equipment was removed from the borehole.

Soil retrieved from SB-5 between ground surface and 16 feet bgs did not have noticeable petroleum odors; however the groundwater sample did have a slight petroleum odor. Groundwater was first encountered in SB-5 below the bottom of the excavation fill soils at a depth of approximately 14 feet bgs. It appeared to stabilize near nine feet bgs

SB-6 was advanced to a depth of 31 feet bgs. The only petroleum odor noticed during the advancement of SB-6 was in soils located between 14 and 15 feet bgs. The odors were faint and dissipated below 15feet bgs. Groundwater was not encountered in SB-6.

Copies of the soil boring logs for SB-1 through SB-6 are attached.

#### SAMPLE ANALYSIS AND RESULTS

The soil and grab groundwater samples submitted for laboratory analysis were analyzed for total petroleum hydrocarbon compounds as gasoline (TPHg), diesel fuel (TPHd), and motor oil (TPHmo) following EPA Test Method 8015B, and benzene, toluene, ethylbenzene, and xylenes (BTEX) following EPA Test Method 8021B.

BTEX compounds were reported as non-detect in all soil and grab groundwater samples collected during this investigation, except SB-5, where the grab groundwater sample collected from SB-5 was reported to contain toluene at a concentration of 1.4 micrograms per liter (ug/l).

TPHd and TPHmo were reported in all but one soil sample (SB-3 20') submitted for laboratory analysis. The detected TPHd concentrations ranged from 1.5 milligrams per kilogram (mg/kg) in the 20-foot soil sample collected at SB-6 to 20 mg/kg in the 20-foot soil sample collected at SB-2. TPHmo concentrations in soil ranged from 1.6 mg/kg in the 20-foot soil sample collected at SB-3 to 6.3 mg/kg in the 16-foot soil sample collected from SB-5.

TPHg was detected above the reporting limit concentration of 1.0 mg/kg in three of the ten soil samples submitted for laboratory analysis. TPHg was reported at a concentration of 7.3 mg/kg in the 15-foot

soil sample collected from SB-1, 21 mg/kg in the 15-foot soil sample collected from SB-2, and 95 mg/kg in the 14-foot soil sample collected from SB-6.

TPHg, TPHd, and TPHmo were reported above the reporting limit concentrations in the grab groundwater samples collected from SB-1, SB-2, SB-3, and SB-5.

TPHg was reported at concentrations ranging from 0.080 milligrams per liter (mg/l) at SB-1 to 8.1 mg/l at SB-3. TPHd concentrations ranged from 0.076 mg/l at SB-1 to 7.2 mg/l at SB-3. TPHmo concentrations ranged from 0.11 mg/l at SB-1 to 0.18 at SB-5.

Soil and groundwater sample results are tabulated in Tables 1 and 2, and copies of the analytical laboratory data sheets are attached.

#### **CONCLUSIONS AND RECOMMENDATIONS**

Based on the results of this investigation it appears the former USTs have been removed from the site, and soil and groundwater have been impacted by petroleum hydrocarbon compounds.

Groundwater was encountered under confined conditions in borings SB-1, SB-2, SB-3, and SB-5. Groundwater was not encountered in SB-4 and SB-6 that were advanced to depths of 8- and 31-feet bgs, respectively.

Although TPHg, TPHd, and TPHmo were reported in most soil and grab groundwater samples the absence of BTEX compounds indicates the fuel is aged and degraded, and contaminant concentrations reported during this investigation may not require active remediation by the Alameda County Environmental Health Department (ACEHD), however this should be confirmed with that agency.

We recommend the results of this investigation be submitted to the ACEHD for their review. We feel this site is a candidate for no further action as a low risk soil and groundwater site.

#### **LIMITATIONS**

This report has been prepared exclusively for the client. The information contained herein is only valid as of the date of the report, and will require an update to reflect additional information obtained.

The client should recognize that this report is not a comprehensive site characterization and the client should not construe it as such. This report presents findings of the results of the limited sampling and laboratory testing performed. In addition, it is not the intention of the information obtained to address potential impacts related to sources other than those specified herein.

Therefore, the report is only conclusive with respect to the information obtained. No guarantee of the results of the study is implied within the intent of this report. The services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered.

If you have any questions regarding this report please contact John Love at (925) 371-5900.

Sincerely,

GEOCON CONSULTANTS, INC.

John Love, PG

Senior Project Geologist

Richard Day, CEG, CHG

Vice President

JL:RWD:ls

(3) Addressee

Figure 1 - Vicinity Map Attachments:

Figure 2 - Site Plan

Table 1 - Summary of Soil Sample Results Table 2 - Summary of Soil Sample Results

**DEH Soil Boring Permit** 

Soil Boring Logs

Analytical Laboratory Data Sheets

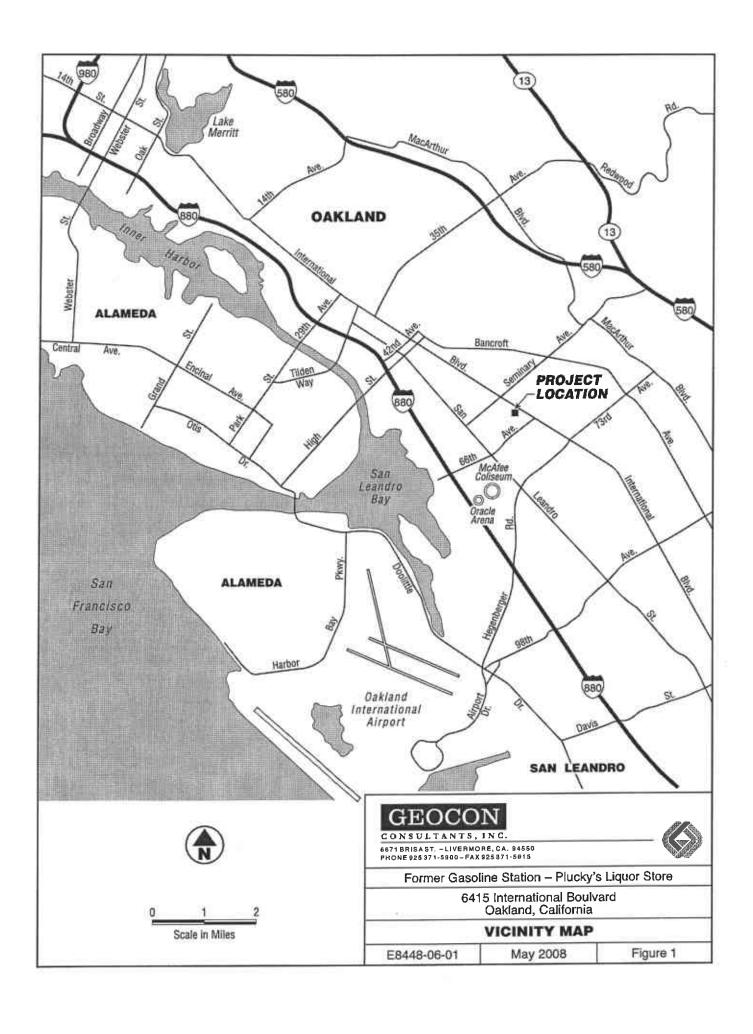




Table 1
Summary of Soil Sample Results
Plucky's Liquors / Former Gasoline Station
6415 International Blvd.
Oakland, California

| Borehole | Collection | Depth      | TPHg                | TPHd            | TPHmo   | Benzene       | Toluene | Ethylbenzene | Total Xylenes |
|----------|------------|------------|---------------------|-----------------|---------|---------------|---------|--------------|---------------|
| Location | Date       | (feet bgs) | (mg/kg)             | (mg/kg)         | (mg/kg) | (ug/kg)       | (ug/kg) | (ug/kg)      | (ug/kg)       |
| SB-1     | 4/22/2008  | 15         | 7.3                 | 6.3             | 5.5     | <5.0          | <5.0    | <5.0         | <15           |
| SB-2     | 4/22/2008  | 16         | 21                  | 2.6             | 3.5     | <5.0          | <5.0    | <5.0         | <15           |
| SB-2     | 4/22/2008  | 20         | <1.0                | 20              | 51      | <5.0          | <5.0    | <5.0         | <15           |
| SB-3     | 4/22/2008  | 13         | <1.0                | <b>5.8</b> <1.0 | 5.8     | <5.0          | <5.0    | <5.0         | <15           |
| SB-3     | 4/22/2008  | 20         | <1.0                |                 | 1.6     | < <b>5</b> .0 | <5.0    | <5.0         | <15           |
| SB-4     | 4/22/2008  | 8          | <1.0                | 4.6             | 6.2     | <5.0          | <5.0    | <5.0         | <15           |
| SB-5     | 4/22/2008  | 16         | <1.0                | 7.6             | 6.3     | <5.0          | <5.0    | <5.0         | <15           |
| SB-6     | 4/22/2008  | 14         | <b>95</b> <1.0 <1.0 | 7.8             | 4.4     | <2.5          | <25     | <25          | <75           |
| SB-6     | 4/22/2008  | 20         |                     | 1.5             | 4.0     | <5.0          | <5.0    | <5.0         | <15           |
| SB-6     | 4/22/2008  | 31         |                     | 3.2             | 2.7     | <5.0          | <5.0    | <5.0         | <15           |

Table 2
Summary of Grab Groundwater Sample Results
Plucky's Liquors / Former Gasoline Station
6415 International Blvd.
Oakland, California

| Borehole<br>Location | Collection<br>Date | Depth<br>(feet bgs) | TPHg<br>(mg/l) | TPHd<br>(mg/l) | TPHmo<br>(mg/l) | Benzene<br>(ug/l) | Toluene<br>(ug/l) | Ethylbenzene (ug/l) | Total Xylenes<br>(ug/l) |
|----------------------|--------------------|---------------------|----------------|----------------|-----------------|-------------------|-------------------|---------------------|-------------------------|
| SB-1                 | 4/22/2008          | 21                  | 0.080          | 0.076          | 0.11            | <0.50             | <0.50             | <0.50               | <1.5                    |
| SB-2                 | 4/22/2008          | 21                  | 1.5            | 0.71           | 0.13            | <0.50             | <0.50             | < 0.50              | <1.5                    |
| SB-3                 | 4/22/2008          | 26                  | 8.1            | 7.2            | 0.15            | <5.0              | <5.0              | <5.0                | <15                     |
| SB-5                 | 4/22/2008          | 14                  | 0.14           | 0.11           | 0.18            | <0.50             | <0.50             | <0.50               | <1.5                    |

#### NOTES:

TPHg- Total Petroleum Hydrocarbons as Gasoline

TPHd - Total Petroleum Hydrocarbons as Diesel

TPHmo - Total Petroleum Hydrocarbons as Motor Oil

mg/kg- Milligrams per kilogram

ug/kg- Micrograms per kilogram

mg/l - Milligrams per liter

ug/l - Micrograms per liter

# 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: 04/04/2008 By jamesy

Permit Numbers: W2008-0166

Permits Valid from 04/22/2008 to 04/22/2008

Application Id:

1207327540879

Site Location:

Former Gas Station / Plucky's Liquors

6415 International Blvd.

Project Start Date:

04/22/2008

Requested Inspection: 04/22/2008

Scheduled Inspection: 04/22/2008 at 2:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant:

Geocon Consultants, Inc. - John Love

Phone: 925-371-5900

**Property Owner:** 

Jaleesa Hazard

6671 Brisa Street, Livermore, CA 94550

Phone: --

Completion Date:04/22/2008

City of Project Site:Oakland

6415 international Blvd, Oakland, CA 94621

Holly Moore 3942 Valley Avenue, Suite, Pleasanton, CA 94566

Phone: -

Client: Contact:

John Love

Phone: 925-371-5900 Cell: 925-525-4142

Total Due:

**Total Amount Paid:** 

\$200.00 \$200.00

Receipt Number: WR2008-0103

PAID IN FULL

Payer Name: John W. Love Paid By: VISA

#### Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 5 Boreholes

Driller: En Prob - Lic #: 777007 - Method: DP

Work Total: \$200.00

#### Specifications

| Specification | กร         |            |           |           |           |
|---------------|------------|------------|-----------|-----------|-----------|
| Permit        | Issued Dt  | Expire Dt  | #         | Hole Diam | Max Depth |
| Number        |            |            | Boreholes |           | 45 00 B   |
| W2008-        | 04/04/2008 | 07/21/2008 | 5         | 2.00 in.  | 15.00 ft  |
| 0166          |            |            |           |           |           |

### Specific Work Permit Conditions

- 1, Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
- 2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
- 3. 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.
- 4. 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.
- 5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters

#### Alameda County Public Works Agency - Water Resources Well Permit

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.

- 6. 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.
- 7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.
- 8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

| ROJECT NO                        |               | TOPINO NO CD 1   |        | _         |
|----------------------------------|---------------|--|--------|-----------|
| E - 12 H                         | SAFI          | DURING NO. 3D-1  | SOIL   | HEADSPACE |
| DEPTH<br>IN<br>FEET<br>PENETRAT. | SAMPLE<br>NO. | DATE DRILLED 4/22/08 WATER LEVEL (ATD)  EQUIPMENT GEOPROBE DRILLER En Prob   | (USCS) | (PPM)     |
| - E                              | n s           | H J Z  |        |           |
|                                  |               | SOIL DESCRIPTION   | -      | -         |
|                                  |               | ASPHALT AND BASE ROCK  | 1      |           |
| - 1 -                            |               |  |        |           |
| - 2 -                            |               | Stiff, moist, black, fine Sandy CLAY, low to medium  | CL     |           |
| - 3 -                            |               | plasticity, no odor  | 1      |           |
| - 4 -                            |               |  | 1      |           |
| - 5 -                            |               |  | 1      |           |
|                                  |               |  | 4      |           |
| - 6 -                            | 1             |  | CL     |           |
| - 7 -                            |               | Stiff, moist, olive, medium Sandy CLAY, low plasticity, no   |        |           |
| - 8 -                            |               | odor<br>Dense, moist to very moist, olive, Clayey coarse angular   | GC     |           |
| - 9 -                            |               | ☑ GRAVEL, no odor  |        |           |
| - 10 -                           |               | 122  | 7      | ŧ         |
| - 11 -                           |               | 1243   | 7      |           |
| - 12 -                           | l l           | Stiff, moist, yellowish red with light green, Sandy CLAY, low  | CL     | 1         |
|                                  |               | to medium plasticity, no odor  |        |           |
| 13 -                             |               | [K:Z]  | - GC   |           |
| - 14 -                           |               | Dense, moist, pale green, Clayey GRAVEL, with coarse angular sand, slight plasticity, slight odor angular sand, slight plasticity, slight odor | CL     | 1         |
| - 15 -                           | 1             | Firm to soil, moist, blown, Stry Clart, to the   | ] CL   |           |
| - 16 -                           |               | plasticity, no odor  |        |           |
| - 17 -                           |               | 1 222  |        |           |
| 18 -                             |               |  |        |           |
| - 19 -                           |               |  | 7      |           |
| 1                                | J             |  | 7      |           |
| 20 -                             |               |  | - CL   |           |
| - 21 -                           |               | Soft, very moist, brown, Silty CLAY, with interbedded clayey fine sand, low to medium plasticity, no odor                                      | - 02   | 4         |
| - 22 -                           |               | tine said, low to incurain plantary, in  |        |           |
| - 23 -                           |               |  |        |           |
| - 24 -                           |               | BORING TERMINATED AT 24 FEET   |        |           |

Figure 1, Log of Boring SB-1, page 1 of 1

ENV\_NO\_WELL PLUCKYS BORINGS.GPJ 05/06/08

| 1 (B ) D          | _ | _ |                     |           |  |
|-------------------|---|---|---------------------|-----------|--|
| BORING ELEVATION: |   |   | ENGINEER/GEOLOGIST: | JOHN LOVE |  |

|                     | AT.                               | пj            | λĐ        | BORING NO. SB-2   | SOIL   |                   |
|---------------------|-----------------------------------|---------------|-----------|---|--------|-------------------|
| DEPTH<br>IN<br>PEET | PENETRAT.<br>RESIST.<br>BLOWS/FT. | SAMPLE<br>NO. | гітногосұ | DATE DRILLED 4/22/08 WATER LEVEL (ATD)  | (USCS) | HEADSPAC<br>(PPM) |
| ద 표                 | PEN:                              | SA            | ETTH      | FOUTPMENT GEOPROBE DRILLER En Prob  | (0303) | (1.1.1)           |
|                     |                                   |               |           | SOIL DESCRIPTION  |        |                   |
|                     |                                   |               | 1000      | ASPHALT   |        |                   |
| - 1 -               |                                   |               | JIE       |   | 1      |                   |
| - 2 -               |                                   |               | 77        | Stiff, moist, black, fine Sandy CLAY, low to medium   | CL     |                   |
| . 3 -               |                                   |               | 1/        | plasticity, no odor   |        |                   |
| 4 -                 |                                   |               | 1/        |   |        |                   |
| - 5 -               |                                   |               | 1//       |   | 1      |                   |
| 6 -                 |                                   |               | 1//       |   |        |                   |
| - 7 -               | -                                 |               | 1/2       | Stiff, moist, olive, medium Sandy CLAY, low plasticity, no  | CL     |                   |
| - 8 -               |                                   |               | 12/       | odor  | GC     |                   |
| . 9 -               |                                   |               | 191       | ▼ GRAVEL, no odor   | 1      |                   |
| - 10 -              |                                   |               | 1/9       |   |        |                   |
| - 11 -              |                                   |               | 1,6       |   | 1.     |                   |
| - 12 -              |                                   |               | 19/2      | Stiff, moist, yellowish red with light green, Sandy CLAY, low   | CL     |                   |
| - 13 -              |                                   |               | 1//       | to medium plasticity, no odor   | 1      |                   |
| - 14 -              |                                   |               |           | Desce moist nale green Clavey GRAVEL with coarse  | GC     |                   |
| - 15 -              |                                   |               | 153       | Dense, moist, pale green, Clayey GRAVEL with coarse angular sand, slight plasticity, petroleum odor Firm to soft, moist, brown, Silty CLAY, low to medium | CL     |                   |
| - 16 -              |                                   |               |           | plasticity, petroleum odor  |        |                   |
| - 17 -              |                                   |               | 1888      |   | 1      |                   |
| - 18 -              |                                   |               | 1888      |   | -      |                   |
| - 19 -              |                                   |               | 1888      |   |        |                   |
| - 20 -              |                                   |               | 1888      |   | -      |                   |
| - 21 -              |                                   |               | 1232      | Soft, very moist, brown, Silty CLAY with interbedded clayey   | CL     |                   |
| - 22 -              |                                   |               |           | fine sand, petroleum odor   | -      |                   |
| - 23 -              |                                   |               | 1883      |   | 4      |                   |
|                     |                                   | 12            |           |   | -      |                   |
| - 24 -              | 1                                 |               | 1000000   | BORING TERMINATED AT 24 FEET  |        |                   |

Figure 2, Log of Boring SB-2, page 1 of 1

ENV\_NO\_WELL PLUCKYS BORINGS GPJ 05/06/08

| BORING ELEVATION: | ENGINEER/GEOLOGIST: | JOHN LOVE |  |
|-------------------|---------------------|-----------|--|
|                   |                     |           |  |

| E_ L                     | PENETRAT.<br>RESIST.<br>BLOWS/FT. | PLE<br>).     | LITHOLOGY | BORING NO. SB-3   | SOIL     |                    |
|--------------------------|-----------------------------------|---------------|-----------|---|----------|--------------------|
| DEPTH<br>IN<br>FEET      | NET OW                            | SAMPLE<br>NO. | HOI.      | DATE DRILLED 4/22/08 WATER LEVEL (ATD)  | (USCS)   | HEADSPACE<br>(PPM) |
|                          | HE BE                             | <i>ν</i>      | 15        | EQUIPMENT GEOPROBE DRILLER En Prob  | (6.1.2.) |                    |
|                          |                                   |               |           | SOIL DESCRIPTION  |          |                    |
| e I =                    |                                   |               |           | ASPHALT   | -        |                    |
| 2 -<br>3 -<br>4 -<br>5 - |                                   |               |           | Stiff, moist, black to brown, Sandy CLAY, low plasticity, no odor                   | CL       |                    |
| 6 -                      |                                   |               | 19/       | Dense, moist, brown, Clayey GRAVEL with angular sand and gravel, no odor            | GC       |                    |
| 8 -<br>9 -               |                                   |               | 1/2       | Firm, moist, reddish yellow, Sandy CLAY, low to medium                              | CL       |                    |
| 10 -<br>11 -<br>12 -     |                                   |               | 4         | Stiff, moist, pale green, Sandy CLAY, medium plasticity, no                         | CL       |                    |
| 13 -                     |                                   |               |           | Moist, Gravelly SAND with some clay and interbedded brick fragments, petroleum odor | sw       |                    |
| 15 -<br>16 -             |                                   |               | +-        | Stiff, moist, brown, Silty CLAY, medium plasticity, no odor                         | CL       |                    |
| 17 -<br>18 -             |                                   |               |           | Stirr, moist, brown, Sirty CDA 1, modium practicity, no oder                        | -        |                    |
| 19 =                     |                                   |               |           |   | +        |                    |
| 20 <del>-</del><br>21 -  |                                   |               |           |   | ]        |                    |
| 22 -                     |                                   |               |           |   | _        |                    |
| 23 -                     |                                   |               |           |   | -        |                    |
| 24 -                     |                                   |               |           |   |          |                    |

Figure 3, Log of Boring SB-3, page 1 of 2

ENV\_NO\_WELL PLUCKYS BORINGS GPJ 05/06/08

| BORING ELEVATION: | ENGINEER/GEOLOGIST: | JOHN LOVE |  |
|-------------------|---------------------|-----------|--|
| BORING ELEVATION: | ENGINEER/GEOLOGIST: | JOHN LOVE |  |

PROJECT NO. E8448-06-01 BORING NO. SB-3 PENETRAT. RESIST. BLOWS/FT. LITHOLOGY SAMPLE NO. SOIL DATE DRILLED 4/22/08 WATER LEVEL (ATD) HEADSPACE (USCS) (PPM) En Prob \_ DRILLER \_\_\_ GEOPROBE EQUIPMENT SOIL DESCRIPTION Strong petroleum odor in groundwater 26 27 **BORING TERMINATED AT 28 FEET** 28

| Figure 4. | Logo | f Boring | SB-3. | page 2 | of 2 |
|-----------|------|----------|-------|--------|------|

ENV\_NO\_WELL PLUCKYS BORINGS.GPI 05/06/08

| 1 | 7 2 O SI FILL T(O) | ENGINEER/GEOLOGIST: | JOHN LOVE |  |
|---|--------------------|---------------------|-----------|--|
| Į | BORING ELEVATION:  |                     |           |  |

| PROJEC              |                                   | E8448-        |           |   |                |                    |
|---------------------|-----------------------------------|---------------|-----------|---|----------------|--------------------|
| DEPTH<br>IN<br>FEET | PENETRAT.<br>RESIST.<br>BLOWS/FT. | SAMPLE<br>NO. | СІТНОСОСУ | BORING NO. SB-4  DATE DRILLED 4/22/08 WATER LEVEL (ATD)  EQUIPMENT GEOPROBE DRILLER En Prob | SOIL<br>(USCS) | HEADSPACE<br>(PPM) |
| -                   | д ш                               |               | 7         | SOIL DESCRIPTION  |                |                    |
|                     |                                   |               |           | ASPHALT AND BASE  |                |                    |
| - 1 -               |                                   |               |           |   |                |                    |
| - 2 -               |                                   |               |           | Stiff, moist, black, Sandy CLAY, medium plasticity, no odor                                 | CL             |                    |
| - 3 -               |                                   |               | 1         |   |                |                    |
| - 4 -               |                                   |               |           |   |                |                    |
| - 5 -               |                                   |               | 0         | Dense, slightly moist, fine Gravelly SAND, variegated, no                                   | SW             |                    |
| - 6 -               |                                   |               | 0         | odor  |                |                    |
| - 7 -               |                                   |               | ø.        |   |                | 1                  |
| 8 -                 | 1                                 |               | 0         | BORING TERMINATED AT 8 FEET   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   | 12            |           |   |                | 1                  |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   | Ų.             |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               | П         |   |                |                    |
|                     |                                   |               |           |   | 1              | 1                  |
|                     | [                                 | 1             | 11        |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     |                                   |               |           |   |                |                    |
|                     | 1                                 |               | 11        |   |                |                    |

| Figure 4, Lo | g of Boring | SB-4, | page | 1 | of l |
|--------------|-------------|-------|------|---|------|

ENV\_NO\_WELL PLUCKYS BORINGS.GPJ 05/06/08

| BORING ELEVATION: | ENGINEER/GEOLOGIST: | JOHN LOVE |  |
|-------------------|---------------------|-----------|--|
|-------------------|---------------------|-----------|--|

| <b>#</b> + | PENETRAT.<br>RESIST.<br>BLOWS/FT. | Щ             | гтногову | BORING NO. SB-5   | SOIL   |          |
|------------|-----------------------------------|---------------|----------|---|--------|----------|
| PEET       | ESIS                              | SAMPLE<br>NO. | HOL      | DATE DRILLED 4/22/08 WATER LEVEL (ATD)  | (USCS) | HEADSPAC |
| tar.       | PE<br>R<br>BL                     | ς.            | LIT      | EQUIPMENT GEOPROBE DRILLER En Prob  | (USCS) | (PPM)    |
|            |                                   |               |          | SOIL DESCRIPTION  |        |          |
|            |                                   |               |          | ASPHALT AND FILL  |        |          |
| 2 1 3      |                                   |               |          | <br>  |        | 1        |
| 2 -        |                                   |               |          |   |        | -        |
| 3 -        |                                   |               |          |   | 1      |          |
| 4 =        | l l                               |               |          |   | 1      |          |
| ∘ 5 =      |                                   |               | AKT.     |   | 1      |          |
| 6 -        |                                   |               | 8.7      |   | 1      |          |
| ₹ 7 🖴      |                                   |               |          |   | 1      |          |
| 8 -        | 1                                 |               |          |   | 1      |          |
| 9 -        |                                   |               | -        | ▼   | 1      |          |
| 10 =       |                                   |               |          | Soft to stiff saturated, brown to light green, Silty and Sandy  | CL     |          |
| 011 ≥      |                                   |               | 1 XX     | Soft to stiff, saturated, brown to light green, Silty and Sandy CLAY, low plasticity, slight odor in water, no odor in soil |        |          |
| 12 -       |                                   |               | XX       | -   | -      |          |
| 13         |                                   |               |          |   | -      |          |
| ଃ 14 🚽     |                                   |               | 1        | Dongs majet verigented Grovelly SAND, fine gravel well  | sw     |          |
| 15 =       |                                   |               | -        | Dense, moist, variegated Gravelly SAND, fine gravel, well graded sand, no odor  | 3.0    |          |
| 16 -       |                                   |               |          | DODDIG TEDDAM LATED AT 17 FEFT  |        |          |
|            |                                   |               | 8        | BORING TERMINATED AT 16 FEET  |        |          |
|            |                                   |               |          |   |        |          |
|            |                                   |               |          |   |        |          |
| 1          |                                   |               | J J      | E)  | 1      |          |
|            |                                   |               |          |   |        |          |
|            |                                   |               |          |   |        |          |
|            |                                   | 000           | 127      |   |        |          |
|            |                                   |               |          |   |        |          |
|            |                                   |               |          |   |        |          |

Figure 5, Log of Boring SB-5, page 1 of 1

ENV NO WELL PLUCKYS BORINGS.GPJ 05/06/08

| BORING ELEVATION: | 7  | ENGINEER/GEOLOGIST: | JOHN LOVE |
|-------------------|----|---------------------|-----------|
| 5514155411        | -1 |                     |           |

| PROJECT NO.  | E8448-06-01                |  |                |                   |
|--|----------------------------|--|----------------|-------------------|
| DEPTH<br>IN<br>FEET<br>PENETRAT.<br>RESIST.<br>BLOWS/FT.   | SAMPLE<br>NO.<br>LITHOLOGY | DATE DRILLED 4/22/08 WATER LEVEL (ATD)  FOURMENT GEOPROBE DRILLER En Prob                          | SOIL<br>(USCS) | HEADSPAC<br>(PPM) |
| 2 8  |                            | EQUI MENT  | -              |                   |
|  |                            | SOIL DESCRIPTION   |                | -                 |
| - 1 -  |                            | ASPHALT AND BASE   | -              |                   |
| 2 - 3 - 4 -  |                            | Very stiff, moist, black, Sandy CLAY, low to medium plasticity, no odor                            | CL             |                   |
| 5 - 6 - 7 -  | 20                         | Dense, moist, brown, Clayey GRAVEL with angular sand, low plasticity, no odor                      | GC             |                   |
| 8 -  | 00                         | Dense, moist, brown, angular Gravelly SAND, no odor  | sw             |                   |
| 9 -<br>- 10 -<br>- 11 -<br>- 12 -<br>- 13 -<br>- 14 -  | 0,7                        | Stiff, moist, brown with olive, Sandy CLAY, medium plasticity, no odor  Soft Slight petroleum odor | CL             |                   |
| - 15 -<br>- 16 -<br>- 17 -<br>- 18 -<br>- 19 -<br>- 20 -<br>- 21 -<br>- 22 -<br>- 23 -<br>- 24 - |                            | Stiff to very stiff, moist, brown, Silty CLAY, medium plasticity, no odor                          | CL             |                   |

Figure 6, Log of Boring SB-6, page 1 of 2

ENV\_NO\_WELL PLUCKYS BORENGS.GPJ 05/06/08

| BORING ELEVATION: | ENGINEER/GEOLOGIST: | JOHN LOVE |  |
|-------------------|---------------------|-----------|--|
| DO10110 7         | <br>                |           |  |

| DEPT<br>PEE | ETH                      | SAMP<br>NO. | 0     | DATE DRILLED | 4/22/08 WA      | TER LEVEL (ATD)  |   | SUIL   | HEADSPACE |
|-------------|--------------------------|-------------|-------|--------------|-----------------|------------------|---|--------|-----------|
| 5 m         | PENETH<br>RESIS<br>BLOWS | S.          | ПТНОГ |              | GEOPROBE        |                  |   | (USCS) | (PPM)     |
|             |                          |             |       |              | SOIL DESCR      |                  |   |        | -         |
| - 26 -      |                          |             | 1000  |              |                 |                  |   |        |           |
| - 27 -      | 1 1                      |             |       |              |                 |                  | - |        |           |
| - 28 -      |                          |             |       | z            |                 |                  |   |        |           |
| - 29 -      | 1                        |             |       |              |                 |                  | - |        | 9         |
| - 30 -      | 1                        |             |       |              |                 |                  | - |        |           |
| - 31 -      |                          |             | 2000  | BO           | RING TERMINATI  | ED AT 31 FEET    |   |        |           |
|             |                          |             |       | BO1          | CITO ILIGINITII | JD 71. J. 1 DD 1 |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             | 11 1  |              |                 |                  |   |        | 1         |
|             |                          |             |       |              |                 |                  |   |        | 1         |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |
|             |                          |             |       |              |                 |                  |   |        |           |

Figure 7, Log of Boring SB-6, page 2 of 2

ENV\_NO\_WELL PLUCKYS BORINGS.GPI 05/06/08

| BORING ELEVATION: | ENGINEER/GEOLOGIST: | JOHN LOVE |
|-------------------|---------------------|-----------|
|                   |                     |           |

April 30, 2008

nelac !

Read & Received

John Love

Geogen Consultants, Inc.

6671 Brisa Street

Livermore, CA 94550

TEL: (925) 525-4142

FAX: (925) 371-5915

Bv:

Date:\_\_\_\_\_

ELAP No.: 1838

NELAP No.: 02107CA NEVADA.: CA-401

Arizona: AZ0689

**CSDLAC No.: 10196** 

Workorder No.: 098436

RE: DGC Soil & GW Investigation, E8448-06-01

Attention: John Love

Enclosed are the results for sample(s) received on April 24, 2008 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely

Eddie F. Rodriguez

Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



### **Advanced Technology Laboratories**

098436

CLIENT:

Geocon Consultants, Inc.

Project: Lab Order: DGC Soil & GW Investigation, E8448-06-01

CASE NARRATIVE

Date: 30-Apr-08

Analytical Comments for Method 8015 (DRO/ORO)

Dilution was necessary for sample 098436-008B, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098430-065AMS and 098430-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 098430-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8015/8021

Dilution was necessary for samples 098436-008A and 098436-012A, due to sample matrix.

# **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-1 (15')

Lab Order:

098436

Collection Date: 4/22/2008 10:03:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

Lab ID:

098436-001

| Lab ID:    | 098436-001                  |                          |        |        |      |          |           |           |                    |
|------------|-----------------------------|--------------------------|--------|--------|------|----------|-----------|-----------|--------------------|
| Analyses   | <b>.</b>                    | Resu                     | Result |        | Qual | Units    | D         | F Date    | Analyzed           |
| DIESEL     | & MOTOR OIL RANGE           | ORGANICS BY<br>EPA 3550B | GC/FID |        | El   | PA 80151 | B(M)      |           |                    |
| RuniD:     | GC7_BACK_080429A            | QC Batch:                | 45283  |        |      |          | PrepDate: | 4/29/2008 | •                  |
|            | <u>-</u>                    |                          | 6.3    | 1.0    |      | mg/Kg    | •         |           | 29/2008 10:48 AM   |
| DRO        |                             |                          | 5.5    | 1.0    | )    | mg/Kg    |           |           | 29/2008 10:48 AM   |
| ORO<br>Sum | : p-Terphenyl               |                          | 1.9    | 26-127 | •    | %REC     |           | 1 4/      | 29/2008 10:48 AM   |
| GASOL      | INE RANGE ORGANICS          | BY GC/FID                |        |        | E    | PA 8015  | B(M)      |           |                    |
| m ID.      | GC2 080429A                 | QC Batch:                | E08VS  | 3120   |      |          | PrepDate: |           | Analyst: KHN       |
| RunID:     | GC2_000423A                 |                          | 7.3    | 1.0    | 1    | mg/Kg    |           |           | /29/2008 04:29 PM  |
| GRO<br>Sun | r: Bromofluorobenzene (FID) | _                        | 3.8    | 42-142 |      | %REC     |           | 1 4       | /29/2008 04:29 PM  |
| VOLAT      | ILE ORGANIC COMPOU          | NDS BY GC/PI             | D      |        |      | EPA 802  | 21B       | •         |                    |
|            | AAA 470 A                   | QC Batch:                | E08V   | S120   |      |          | PrepDate: |           | Analyst: KHN       |
| RuniD:     | GC2_080429A                 | QO Balon.                |        | 5.9    | n    | µg/Kg    |           | 1 4       | /29/2008 04:29 PM  |
| Benze      | ene                         |                          | ND     | 5.4    | -    | μg/Kg    |           | 1 4       | /29/2008 04:29 PM  |
| Ethylb     | enzene                      |                          | ND     | 1      |      | μg/Kg    |           | 1 4       | /29/2008 04:29 PM  |
| m,p-X      | ylene                       |                          | ND     | 5.i    | _    | µg/Kg    |           | 1 4       | /29/2008 04:29 PM  |
| o-Xyle     | ene                         |                          | ND     |        |      | µg/Kg    |           | 1 4       | /29/2008 04:29 PM  |
| Tolue      |                             |                          | ND     | 5.     |      | %REC     |           | 1 4       | //29/2008 04:29 PM |
| Sur        | r: Bromofluorobenzene (PID) | )                        | 107    | 71-13  | ਰ    | MINEC    | ,         | •         |                    |

| Ou | alif | ers |
|----|------|-----|

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

### **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-1

Lab Order:

098436

Collection Date: 4/22/2008 10:10:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: WATER

Lab ID:

098436-002

| Analyses |                            | Resu                     | Result |        | PQL Qual Units |          | Date Analyzed          |
|----------|----------------------------|--------------------------|--------|--------|----------------|----------|------------------------|
| DIESEL   | & MOTOR OIL RANGE          | ORGANICS BY<br>EPA 3510C | GC/FIE | )      | EPA 8015B(     | M)       |                        |
| RuniD:   | GC8_080425B                | QC Batch:                | 4523   | 0      | P              | repDate: | 4/25/2008 Analyst: CBR |
| DRO      |                            | 0.0                      | 76     | 0.062  | mg/L           | 1        | 4/26/2008 02:03 AM     |
| ORO      |                            | 0.                       | .11    | 0.062  | mg/L           | 1        | 4/26/2008 02:03 AM     |
|          | r. p-Terphenyl             | 92                       | 2.9    | 37-134 | %REC           | 1        | 4/26/2008 02:03 AM     |
| GASOL    | INE RANGE ORGANICS         | BY GC/FID                |        |        |                |          |                        |
|          |                            |                          |        |        | EPA 8015B(     | M)       |                        |
| RunID:   | GC1_080425A                | QC Batch:                | D08\   | /W023  | P              | repDate: | Analyst: CBB           |
| GRO      |                            | 0.0                      | 80     | 0.050  | mg/L           | 1        | 4/25/2008 04:00 PM     |
| Sun      | : Bromofluorobenzene (FID) | 1                        | 05     | 76-127 | %REC           | 1        | 4/25/2008 04:00 PM     |
| VOLAT    | ILE ORGANIC COMPOU         | NDS BY GC/PID            | )      |        |                |          |                        |
|          |                            |                          |        |        | EPA 8021I      | 3        |                        |
| RunID:   | GC1_080425A                | QC Batch:                | D08V   | /W023  | P              | repDate: | Analyst: CBB           |
| Benze    | ne                         | ı                        | ND     | 0.50   | μg/L           | 1        | 4/25/2008 04:00 PM     |
| Ethylbe  | enzene                     | ŀ                        | ۷D     | 0.50   | μg/L           | 1        | 4/25/2008 04:00 PM     |
| m,p-Xy   |                            | ŀ                        | ΝD     | 1.0    | μg/L           | 1        | 4/25/2008 04:00 PM     |
| o-Xylei  |                            | 1                        | ND     | 0.50   | μg/L           | 1        | 4/25/2008 04:00 PM     |
| Toluen   | e                          | 1                        | ND     | 0.50   | μg/L           | 1        | 4/25/2008 04:00 PM     |
| Surr     | : Bromofluorobenzene (PID) | 90                       | ).5    | 82-136 | %REC           | 1        | 4/25/2008 04:00 PM     |

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Print Date: 30-Apr-08

# **Advanced Technology Laboratories**

Geocon Consultants, Inc.

Client Sample ID: SB-2 (16')

CLIENT: Lab Order:

098436

Collection Date: 4/22/2008 10:48:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

| Lab ID:    | 098436-003                   |                          |            | ·<br>  |      |         |           |           |                  |
|------------|------------------------------|--------------------------|------------|--------|------|---------|-----------|-----------|------------------|
| Analyse    | s                            | Resu                     | ılt        | PQL    | Qual | Units   | D         | Date      | Analyzed         |
| DIESEL     | & MOTOR OIL RANGE            | ORGANICS BY<br>EPA 3550B | GC/FID     | -      | ΕĬ   | PA 8015 | B(M)      |           |                  |
| RuniD:     | GC7_BACK_080429A             | QC Batch:                | 45283      |        |      |         | PrepDate: | 4/29/2008 | Analyst: CBR     |
|            | 001_231011_0001=111          |                          | 2.6        | 1.0    | 1    | mg/Kg   | 1         |           | 29/2008 11:14 AM |
| DRO        |                              |                          | 3.5        | 1.0    |      | mg/Kg   | 1         | 4/2       | 29/2008 11:14 AM |
| ORO<br>Sun | r: p-Terphenyl               | €                        | 3.6        | 26-127 |      | %REC    | 1         | 4/2       | 29/2008 11:14 AM |
| GASOL      | INE RANGE ORGANICS           | BY GC/FID                |            |        | E    | PA 8015 | B(M)      |           |                  |
| B          | GC2 080425A                  | QC Batch:                | E08V5      | \$117  |      |         | PrepDate: |           | Analyst: KHN     |
| RuniD:     | GC2_000425A                  | <b>4.5</b>               | 21         | 1.0    | 1    | mg/Kg   | 1         | 4/:       | 25/2008 09:18 PM |
| GRO<br>Sur | r: Bromofluorobenzene (FID)  |                          | 42.4       | 42-142 |      | %REC    |           | 4/3       | 25/2008 09:18 PM |
|            | TILE ORGANIC COMPOU          |                          | D          |        |      | EPA 80  | 21B       |           |                  |
| D1D.       | GC2 080425A                  | QC Batch:                | E08V       | 5117   |      |         | PrepDate: |           | Analyst: KHN     |
| RunID:     | _                            | 45 5000                  | ND         | 5.6    | n    | μg/Kg   | 1         | 4/        | 25/2008 09:18 PM |
| Benze      |                              |                          | ND         | 5.1    |      | μg/Kg   | 1         | 4/        | 25/2008 09:18 PM |
| Ethylb     | enzene                       |                          | ND         | 1:     |      | µg/Kg   | 1         | 4/        | 25/2008 09:18 PM |
| m,p-X      | (ylene                       |                          |            | 5.0    | -    | μg/Kg   |           | 4/        | 25/2008 09:18 PM |
| a-Xyle     | ene                          |                          | ND         | 5.     |      | μg/Kg   |           | 4/        | 25/2008 09:18 PM |
| Tolue      |                              |                          | ND<br>00.4 | 71-13  |      | %REC    |           |           | 25/2008 09:18 PM |
| Sui        | rr: Bromofluorobenzene (PID) |                          | 90.4       | 1 (-13 | ਹ    | /@I \L  | •         |           |                  |

| Qu | alifiers |
|----|----------|
|    |          |

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference
- Surrogate Diluted Out

- Value above quantitation range
- Not Detected at the Reporting Limit Results are wet unless otherwise specified

## **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-2 (20')

Lab Order:

098436

Collection Date: 4/22/2008 10:53:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

Lah ID:

098436-004

| Lab ID:    | 098436-004                  |                        |          |                 |           |           |                        |
|------------|-----------------------------|------------------------|----------|-----------------|-----------|-----------|------------------------|
| Analyse    | S                           | Resul                  | t        | PQL Q           | ual Units | DF        | Date Analyzed          |
| DIESEL     | . & MOTOR OIL RANGE O       | RGANICS BY<br>PA 3550B | GC/FID   |                 | EPA 8015  | B(M)      |                        |
| RuniD:     | GC7_BACK_080429A            | QC Batch:              | 45283    |                 |           | PrepDate: | 4/29/2008 Analyst: CBR |
|            |                             |                        | 20       | 1.0             | mg/Kg     | 1         | 4/29/2008 02:39 PM     |
| DRO        |                             |                        | 51       | 1.0             | mg/Kg     | 1         | 4/29/2008 02:39 PM     |
| ORO        | Tembonid                    | 61                     |          | 26-127          | %REC      | 1         | 4/29/2008 02:39 PM     |
| _          | T. p-Terphenyl              | = .                    |          |                 |           |           |                        |
| GASOL      | INE RANGE ORGANICS I        | of GC/FID              |          |                 | EPA 8015  | B(M)      |                        |
| RuniD:     | GC2_080425A                 | QC Batch:              | E08VS    | /S117 PrepDate: |           |           | Analyst: KHN           |
|            | 002_000425/1                |                        | ND       | 1.0             | mg/Kg     | 1         | 4/25/2008 09:44 PM     |
| GRO<br>Sun | r: Bromofluorobenzene (FID) | •                      | 3.8      | 42-142          | %REC      | 1         | 4/25/2008 09:44 PM     |
|            | ILE ORGANIC COMPOUN         | DS BY GC/PIC           | )        |                 |           |           |                        |
| VOLA       | ILL OROAMO DOM GOM          |                        |          |                 | EPA 802   | 21B       |                        |
| RunID:     | GC2_080425A                 | QC Batch:              | E08V     | 5117            |           | PrepDate: | Analyst: KHN           |
|            |                             |                        | ΝD       | 5.0             | μg/Kg     | 1         | 4/25/2008 09:44 PM     |
| Benze      | ***                         |                        | ND<br>ND | 5.0             | μg/Kg     | 1         | 4/25/2008 09:44 PM     |
| •          | enzene                      |                        |          | 10              | μg/Kg     | 1         | 4/25/2008 09:44 PM     |
| m,p-X      |                             |                        | ND       |                 | μg/Kg     | 1         | 4/25/2008 09:44 PM     |
| o-Xyle     | ne                          |                        | ND       | 5.0<br>5.0      | μg/Kg     | 1         | 4/25/2008 09:44 PM     |
| Tolue      |                             |                        | ND       | 5.0<br>71-139   | %REC      | . 1       | 4/25/2008 09:44 PM     |
| S⊔r        | r: Bromofluorobenzene (PID) | 1                      | 13       | 71-139          | /6I \EU   |           |                        |

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

# **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-2

Lab Order:

098436

Collection Date: 4/22/2008 11:05:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: WATER

| Lab ID:                 | 098436-005                              |                         |  |  |             | <u> </u>                                     |                          |  |  |
|-------------------------|---|-------------------------|--|--|-------------|--|--------------------------|--|--|
| Analyse                 | ılyses                                  |                         | Result                                     |  | PQL Qual l  |  | DF                       | Date Analyzed  |  |
| DIESEL                  | . & MOTOR OIL RANGE O                   | RGANICS BY<br>EPA 3510C | GC/FID                                     |  | E           | PA 8015B                                     | (M)                      |  |  |
| RuniD:<br>DRO<br>ORO    | GC8_080425B                             | 0                       | 45230<br>1.71<br>1.13<br>19.3              | 0.062<br>0.062<br>37-134                             |             | mg/L<br>mg/L<br>%REC                         | PrepDate:<br>1<br>1<br>1 | 4/25/2008 Analyst: <b>CBF</b><br>4/26/2008 03:26 Al<br>4/26/2008 03:26 Al<br>4/26/2008 03:26 Al                            |  |
|                         | r: p-Terphenyl<br>_INE RANGE ORGANICS I | _                       |  |  | E           | PA 8015B                                     | (M)                      |  |  |
| RunID:<br>GRO<br>Sur    | GC1_080425A                             |                         | D08VV<br>1.5<br>99.4<br><b>D</b>           | 0.050<br>76-127                                      |             | mg/L<br>%REC                                 | PrepDate:<br>1<br>1      | Analyst: <b>CB</b> l<br>4/25/2008 03:00 P<br>4/25/2008 03:00 P   |  |
| VOLAT                   | TILE ORGANIC COMPOUN                    | ADS BI GOIL             | <b>.</b>                                   |  |             | EPA 8021                                     |                          | Analyst: CB  |  |
| m,p-X<br>o-Xyk<br>Tolue | oenzene<br>Kylene<br>ane                | QC Batch:               | DOSV <sup>1</sup> ND ND ND ND ND ND ND 117 | W023<br>0.50<br>0.50<br>1.0<br>0.50<br>0.51<br>82-13 | )<br>)<br>) | µg/L<br>µg/L<br>µg/L<br>µg/L<br>µg/L<br>%REC | PrepDate:                | 4/25/2008 03:00 F<br>4/25/2008 03:00 F<br>4/25/2008 03:00 F<br>4/25/2008 03:00 F<br>4/25/2008 03:00 F<br>4/25/2008 03:00 F |  |

| Ou | ali | fier | 8 |
|----|-----|------|---|

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded Н.

Spike/Surrogate outside of limits due to matrix interference S

Surrogate Diluted Out

Value above quantitation range

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

# **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-3 (13')

Lab Order:

098436

Collection Date: 4/22/2008 11:28:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

Lah ID:

098436-006

| Lab ID:  | 098436-006                 |               |             |         |           |           |                        |
|----------|----------------------------|---------------|-------------|---------|-----------|-----------|------------------------|
| Analyses |                            | Resu          | alt         | PQL Qua | al Units  | DF        | Date Analyzed          |
| DIESEL   | & MOTOR OIL RANGE          | ORGANICS BY   | GC/FID      |         | EPA 8015I | B(M)      |                        |
| RuniD:   | GC7 BACK_080429A           | QC Batch:     | 45283       |         |           | PrepDate: | 4/29/2008 Analyst: CBR |
|          | GG/_BROK_0004207           |               | 5.8         | 1.0     | mg/Kg     | 1         | 4/29/2008 02:13 PM     |
| DRO      |                            |               | 5.8         | 1.0     | mg/Kg     | 1         | 4/29/2008 02:13 PM     |
| ORO      |                            |               | 3.6<br>37.7 | 26-127  | %REC      | 1         | 4/29/2008 02:13 PM     |
|          | : p-Terphenyl              | _             | 37.7        | 20-121  | ,,,,      |           |                        |
| GASOL    | INE RANGE ORGANIC          | S BY GC/FID   |             |         | EPA 8015  | B(M)      |                        |
| D(5)     | 002 0904254                | QC Batch:     | E08V\$      | S117    |           | PrepDate: | Analyst: KHN           |
| RunID:   | GC2_080425A                | QO DELLIN     | ND          | 1.0     | mg/Kg     | 1         | 4/25/2008 10:08 PM     |
| GRO      |                            |               | 113         | 42-142  | %REC      | 1         | 4/25/2008 10:08 PM     |
|          | : Bromofluorobenzene (FID) | ,             |             | 42-142  | /(II C-0  |           |                        |
| VOLAT    | ILE ORGANIC COMPOL         | JNDS BY GC/PI | D           |         | EPA 802   | :1B       |                        |
| e        | GC2 080425A                | QC Batch:     | E08V        | 5117    |           | PrepDate: | Analyst: KHN           |
| RunID:   | GC2_000425A                | 40 2000       | ND          | 5.0     | μg/Kg     | 1         | 4/25/2008 10:08 PM     |
| Вепzе    |                            |               | ND          | 5.0     | μg/Kg     | 1         | 4/25/2008 10:08 PM     |
|          | enzene                     |               | ND          | 10      | μg/Kg     | 1         | 4/25/2008 10:08 PM     |
| m,p-X    | ylene                      |               |             | 5.0     | μg/Kg     | 1         | 4/25/2008 10:08 PM     |
| o-Xyle   | ne                         |               | ND          | 5.0     | μg/Kg     | 1         | 4/25/2008 10:08 PM     |
| Tolue    |                            |               | ND          |         | %REC      | . 1       | 4/25/2008 10:08 PM     |
| Sur      | r: Bromofluorobenzene (PID | ))            | 118         | 71-139  | /oneO     |           |                        |

| Ou | alifie | rs |
|----|--------|----|

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit
  Results are wet unless otherwise specified

# **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-3 (20')

Lab Order:

098436

Collection Date: 4/22/2008 11:34:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

I ah ID:

098436-007

| Lab ID;      | 098436-007                        |             |          | <u></u> |          |         |           |        |        |                           |
|--------------|-----------------------------------|-------------|----------|---------|----------|---------|-----------|--------|--------|---------------------------|
| <br>Analyse: | s                                 | Rest        | ult      | PQL     | Qual     | Units   |           | )F     | Date   | Analyzed                  |
| DIESEL       | . & MOTOR OIL RANGE O             | RGANICS B'  | Y GC/FID | )       | EF       | PA 8015 | B(M)      |        |        |                           |
| RuniD:       | GC7_BACK_080429A                  | QC Batch:   | 45283    | }       |          |         | PrepDate: | 4/29   | 3/2008 | Analyst: CBR              |
| DRO          |                                   |             | ND       | 1.0     | li .     | mg/Kg   |           | 1      | 4/2    | 29/2008 11:40 AM          |
| ORO          |                                   |             | 1.6      | 1.0     | )        | mg/Kg   |           | 1      | 4/3    | 29/2008 11:40 AM          |
|              | r: p-Terphenyl                    | (           | 59.9     | 26-127  | ,        | %REC    |           | 1      | 4/2    | 29/2008 11:40 AM          |
|              | INE RANGE ORGANICS I              | BY GC/FID   |          |         |          |         |           |        |        |                           |
| GASUL        | INE RANGE ORGANIOU.               | 3, 30m      |          |         | EF       | PA 8015 | B(M)      |        |        |                           |
| RunID:       | GC2_080425A                       | QC Batch:   | E08V     | S117    | S117 Pre |         | PrepDate: | oDate: |        | Analyst: KHN              |
|              | 002_000 1207                      |             | ND       | 1.0     | )        | mg/Kg   |           | 1      | 4/:    | 25/2008 10:33 PM          |
| GRO<br>Suri  | r: Bromofluorobenzene (FID)       |             | 112      | 42-142  |          | %REC    |           | 1      | 4/2    | 25/2008 10:33 PM          |
|              | ILE ORGANIC COMPOUN               | DS BY GC/PI | D        |         |          |         |           |        |        |                           |
|              |                                   |             |          |         | I        | EPA 802 | 21B       |        |        |                           |
| RuniD:       | GC2_080425A                       | QC Batch:   | E08V     | S117    |          |         | PrepDate: |        |        | Analyst: <b>KHN</b>       |
|              | _                                 |             | ND       | 5.0     | )        | μg/Kg   |           | 1      | 4/:    | 25/2008 10:33 PM          |
| Benze        |                                   |             | ND       | 5.0     |          | µg/Kg   |           | 1      | 4/     | 25/2008 10:33 PM          |
| •            | enzene                            |             | ND       | 10      |          | μg/Kg   |           | 1      | 4/     | 25/20 <b>0</b> 8 10:33 PM |
| m,p-X        |                                   |             | ND       | 5.0     | -        | μg/Kg   |           | 1      | 4/     | 25/2008 10:33 PM          |
| o-Xyle       |                                   |             | ND       | 5.0     |          | μg/Kg   |           | 1      | 4/     | 25/2008 10:33 PM          |
| Toluer       | ne<br>r: Bromofluorobenzene (PID) |             | 119      | 71-139  |          | %REC    |           | 1      | 4/     | 25/2008 10:33 PM          |
| Sur          | L. DIOITIONOGODBUZENE (LID)       |             |          |         |          |         |           |        |        |                           |

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit
  Results are wet unless otherwise specified

### **Advanced Technology Laboratories**

Print Date: 30-Apr-08

**CLIENT:** 

Geocon Consultants, Inc.

Client Sample ID: SB-3

Lab Order:

098436

Collection Date: 4/22/2008 11:45:00 AM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: WATER

Lab ID:

098436-008

| Analyse | es                          | Result                   |          | PQL      | Qual | Units     |           | DF | Date Analyzed |                 |
|---------|-----------------------------|--------------------------|----------|----------|------|-----------|-----------|----|---------------|-----------------|
| DIESE   | L & MOTOR OIL RANGE         | ORGANICS B'<br>EPA 3510C | Y GC/FID |          | EP   | A 8015    | B(M)      |    |               |                 |
| RuntD:  | GC3_080428A                 | QC Batch:                | 45230    |          |      |           | PrepDate: |    | 4/25/2008     | Analyst: CBR    |
| DRO     |                             | •                        | 7.2      | 0.12     |      | mg/L      |           | 2  | 4/2           | 8/2008 12:03 PM |
| ORO     | •                           |                          | 0.15     | 0.12     |      | mg/L      |           | 2  | 4/2           | 8/2008 12:03 PM |
| Sur     | r. p-Terphenyl              |                          | 101      | 37-134   |      | %REC      |           | 2  | 4/2           | 8/2008 12:03 PM |
| GASOL   | LINE RANGE ORGANICS         | BY GC/FID                |          |          |      |           |           |    |               |                 |
|         |                             | EPA 8015B(M)             |          |          |      |           |           |    |               |                 |
| RunID:  | GC1_080425A                 | QC Batch:                | D08VV    | V023 Pre |      | PrepDate: | pDate:    |    | Analyst: CBB  |                 |
| GRO     | t.                          |                          | 8.1      | 0.50     |      | mg/L      |           | 10 | 4/2           | 5/2008 09:06 PM |
| Şuп     | r: Bromofluorobenzene (FID) |                          | 115      | 76-127   |      | %REC      |           | 10 | 4/2           | 5/2008 09:06 PM |
| VOLAT   | TILE ORGANIC COMPOUN        | NDS BY GC/PI             | ID       |          |      |           |           |    |               |                 |
|         |                             |                          |          |          | E    | PA 802    | 1B        |    |               |                 |
| RunID:  | GC1_080425A                 | QC Batch:                | D08VW    | /023     |      |           | PrepDate: |    |               | Analyst: CBB    |
| Benze   | ne                          |                          | ND       | 5.0      |      | μg/L      |           | 10 | 4/2           | 5/2008 09:06 PM |
| Ethylb  | enzene                      |                          | ND       | 5.0      |      | μg/L      |           | 10 | 4/2           | 5/2008 09:06 PM |
| m,p-Xy  | ylene                       |                          | ND       | 10       |      | µg/L      |           | 10 | 4/2           | 5/2008 09:06 PM |
| o-Xyle  | ne                          |                          | ND       | 5.0      |      | μg/L      |           | 10 | 4/2           | 5/2008 09:06 PM |
| Toluen  | 18                          |                          | ND       | 5.0      |      | μg/L      |           | 10 | 4/2           | 5/2008 09:06 PM |
| Surr    | r: Bromofluorobenzene (PID) |                          | 102      | 82-136   |      | %REC      |           | 10 | 4/2           | 5/2008 09:06 PM |

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

## **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-4 (8')

Lab Order:

098436

Project:

Collection Date: 4/22/2008 1:00:00 PM

DGC Soil & GW Investigation, E8448-06-01

| Matrix: | SOIL |
|---------|------|
|---------|------|

| Lab ID:          | 098436-009                        | · · · · _               |          |        |      |         |           |    |               |                     |
|------------------|-----------------------------------|-------------------------|----------|--------|------|---------|-----------|----|---------------|---------------------|
| Analyses         | 3                                 | Res                     | ult      | PQL    | Qual | Units   | ]         | DF | Date Analyzed |                     |
| DIESEL           | & MOTOR OIL RANGE                 | ORGANICS B<br>EPA 3550B | Y GC/FID |        | EP.  | A 8015I | B(M)      |    |               |                     |
| RunID:           | GC7_BACK_080429A                  | QC Batch:               | 45283    |        |      |         | PrepDate: |    | 4/29/2008     | Analyst: CBR        |
| DRO              | <i>-</i>                          |                         | 4.6      | 1.0    |      | mg/Kg   |           | 1  | 4/2           | 9/2008 01:22 PM     |
| ORO .            |                                   |                         | 6.2      | 1.0    |      | mg/Kg   |           | 1  |               | 9/2008 01:22 PM     |
|                  | p-Terphenyl                       |                         | 71.9     | 26-127 |      | %REC    |           | 1  | 4/2           | 9/2008 01:22 PM     |
| _                | INE RANGE ORGANICS                | BY GC/FID               |          |        |      |         |           |    |               |                     |
| <b>U</b> , 100 - |                                   |                         |          |        | EP   | A 8015  | B(M)      |    |               |                     |
| RuniD:           | GC2 080425A                       | QC Batch:               | E08VS    | 117    |      |         | PrepDate: |    |               | Analyst: <b>KHN</b> |
|                  | GC2_000420/1                      |                         | ND       | 1.0    |      | mg/Kg   |           | 1  | 4/2           | 25/2008 10:57 PM    |
| GRO              | : Bromofluorobenzene (FID)        |                         | 105      | 42-142 |      | %REC    |           | 1  | 4/2           | 25/2008 10:57 PM    |
|                  | ILE ORGANIC COMPOU                |                         | מוי      |        |      |         |           |    |               |                     |
| VOLATI           | ILE ORGANIC COMPOS                | 110001                  |          |        | E    | EPA 802 | 21B       |    |               |                     |
| RunID:           | GC2_080425A                       | QC Batch:               | EOBVS    | S117   |      |         | PrepDate: |    |               | Analyst: KHN        |
|                  |                                   | <b>-, -</b>             | ND       | 5.0    |      | μg/Kg   |           | 1  | 4/2           | 25/2008 10:57 PM    |
| Benze            |                                   |                         | ND       | 5.0    |      | μg/Kg   |           | 1  | 4/2           | 25/2008 10:57 PM    |
| •                | enzene                            |                         | ND       | 10     |      | μg/Kg   |           | 1  | 4/2           | 25/2008 10:57 PM    |
| m,p-X)           | •                                 |                         | ND       | 5.0    |      | μg/Kg   |           | 1  | 4/:           | 25/2008 10:57 PM    |
| o-Xyle           |                                   |                         | ND       | 5.0    |      | μg/Kg   |           | 1  | 4/:           | 25/2008 10:57 PM    |
| Toluer<br>Sun    | ie<br>r: Bromofluorobenzene (PID) | 1                       | 118      | 71-139 |      | %REC    |           | 1  | 4/3           | 25/2008 10:57 PM    |

| Λ., | olif | iers |
|-----|------|------|
|     |      |      |

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- Value above quantitation range
- ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

## **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-5 (16')

Lab Order:

098436

Collection Date: 4/22/2008 1:25:00 PM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

Lab ID:

098436-010

| Analyse | S                          | Result                  |        | PQL    | Qual Units | DF        | Date Analyzed          |
|---------|----------------------------|-------------------------|--------|--------|------------|-----------|------------------------|
| DIESEL  |                            | ORGANICS E<br>EPA 3550B | Y GC/F | ĪD     | EPA 8015   | 5B(M)     |                        |
| RunID:  | GC7_BACK_080429A           | QC Batch:               | 452    | 83     |            | PrepDate: | 4/29/2008 Analyst: CBR |
| DRO     |                            |                         | 7.6    | 1.0    | mg/Kg      | 1         | 4/29/2008 01:48 PM     |
| ORO     |                            |                         | 6.3    | 1.0    | mg/Kg      |           | 4/29/2008 01:48 PM     |
| Surr    | : p-Terphenyl              |                         | 67.5   | 26-127 | %REC       | 1         | 4/29/2008 01:48 PM     |
|         | INE RANGE ORGANICS         | BY GC/FID               |        |        |            |           |                        |
|         |                            |                         |        |        | EPA 8015   | 5B(M)     |                        |
| RunID:  | GC2_080425A                | QC Batch:               | E08    | V\$117 |            | PrepDate: | Analyst: KHN           |
| GRO     |                            |                         | ND     | 1.0    | mg/Kg      | 1         | 4/25/2008 11:21 PM     |
| Surr    | : Bromofluorobenzene (FID) |                         | 111    | 42-142 | %REC       | 1         | 4/25/2008 11:21 PM     |
| VOLATI  | LE ORGANIC COMPOUN         | DS BY GC/P              | ID     |        |            |           |                        |
|         |                            |                         |        |        | EPA 80     | 21B       |                        |
| RunID:  | GC2_080425A                | QC Batch:               | E08    | VS117  |            | PrepDate: | Analyst: KHN           |
| Benzer  | ne                         |                         | ND     | 5.0    | μg/Kg      | 1         | 4/25/2008 11:21 PM     |
| Ethylbe | enzene                     |                         | ND     | 5.0    | μg/Kg      | 1         | 4/25/2008 11:21 PM     |
| m,p-Xy  |                            |                         | ND     | 10     | μg/Kg      | 1         | 4/25/2008 11:21 PM     |
| o-Xyler | 1 <del>0</del>             |                         | NĐ     | 5.0    | μg/Kg      | 1         | 4/25/2008 11:21 PM     |
| Toluen  | e                          |                         | ND     | 5.0    | μg/Kg      | 1         | 4/25/2008 11:21 PM     |
| Surr    | : Bromofluorobenzene (PID) |                         | 120    | 71-139 | %REC       | 1         | 4/25/2008 11:21 PM     |

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

## **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-5

Lab Order:

098436

Collection Date: 4/22/2008 1:35:00 PM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: WATER

| Lab ID:       | 098436-011                        |              |        |        |      |          |           |    | <u> </u>  |                  |
|---------------|-----------------------------------|--------------|--------|--------|------|----------|-----------|----|-----------|------------------|
| Analyses      | 3                                 | Res          | ult    | PQL    | Qual | Units    |           | DF | Date .    | Analyzed         |
| DIESEL        | & MOTOR OIL RANGE O               | RGANICS BY   | GC/FID | -      | EF   | PA 8015E | B(M)      |    |           |                  |
| RunID:        | GC8 080425B                       | QC Batch:    | 45230  |        |      |          | PrepDate: |    | 4/25/2008 | Analyst: CBR     |
| DRO           | · <del>-</del>                    | 1            | 0.11   | 0.062  |      | mg/L     |           | 1  | 4/2       | 6/2008 03:54 AM  |
| ORO           |                                   |              | 0.18   | 0.062  |      | mg/L     |           | 1  | 4/2       | 6/2008 03:54 AM  |
|               | ; p-Terphenyl                     |              | 116    | 37-134 |      | %REC     |           | 1  | 4/2       | 6/2008 03:54 AM  |
|               | INE RANGE ORGANICS I              | BY GC/FID    |        |        |      |          |           |    |           |                  |
| Ψ,            |                                   |              |        |        | E    | PA 8015E | B(M)      |    |           |                  |
| RunID:        | GC1_080425A                       | QC Batch:    | D08VV  | V023   |      |          | PrepDate: |    |           | Analyst: CBB     |
|               | 001_0001207                       |              | 0.14   | 0.050  |      | mg/L     |           | 1  | 4/2       | 5/2008 10:06 PM  |
| GRO<br>Sum    | : Bromofluarobenzene (FID)        |              | 106    | 76-127 |      | %REC     |           | 1  | 4/2       | 5/2008 10:06 PM  |
|               | ILE ORGANIC COMPOUN               | IDS BY GC/PI | ID     |        |      |          |           |    |           |                  |
| VOLAI         |                                   |              |        |        |      | EPA 802  | 1B        |    |           |                  |
| RunID:        | GC1_080425A                       | QC Batch:    | D08VV  | N023   |      |          | PrepDate: |    |           | Analyst: CBB     |
|               | _                                 |              | ND     | 0.50   | 1    | μg/L     |           | 1  | 4/2       | 25/2008 10:06 PM |
| Benze         |                                   |              | ND     | 0.50   |      | μg/L     |           | 1  | 4/2       | 25/2008 10:06 PM |
| -             | enzene                            |              | ND     | 1.0    |      | μg/L     |           | 1  | 4/2       | 25/2008 10:06 PM |
| m,p-Xy        |                                   |              | ND     | 0.50   |      | μg/L     |           | 1  |           | 25/2008 10:06 PM |
| o-Xyle        |                                   |              | 1.4    | 0.50   |      | μg/L     |           | 1  | 4/2       | 25/2008 10:06 PM |
| Toluer<br>Sun | ne<br>r: Bromofluorobenzene (PID) |              | 92.7   | 82-136 |      | %REC     |           | 1  | 4/2       | 25/2008 10:06 PM |

| Qualifiers |
|------------|
|------------|

B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

Value above quantitation range

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

## **Advanced Technology Laboratories**

Print Date: 30-Apr-08

**CLIENT:** 

Geocon Consultants, Inc.

Client Sample ID: SB-6 (14')

Lab Order:

098436

Collection Date: 4/22/2008 1:50:00 PM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

| Result   PQL   Qual   Units   DF   Date Analyzed   | Lab ID: | 098436-012                        |              |        |        |      |          |           |           |                   |
|--|---------|-----------------------------------|--------------|--------|--------|------|----------|-----------|-----------|-------------------|
| RuniD:   GC7_BACK_080429A   QC Batch:   45283   PrepDate:   4/29/2008   Analyst: CBR   | Analyse | s                                 | Resu         | lt     | PQL    | Qual | Units    | Г         | F Date    | Analyzed          |
| RuniD: GC7_BACK_080429A   QC Batch: 45283   PrepDate: 4/29/2008   Analyst: CBR   | DIESEL  |                                   |              | GC/FID |        | E (  | DA 0015D | /M/\      |           |                   |
| RuniD: GC7_BACK_080429A   QC Batch: 43283   1.0   mg/Kg   1   4/29/2008 12:05 PM   |         | Ŀ                                 | EPA 3550B    |        |        |      |          |           |           |                   |
| DRO         7.8         1.0         Ing/Kg         1         4/29/2008 12:05 PM           ORO         4.4         1.0         mg/Kg         1         4/29/2008 12:05 PM           GASOLINE RANGE ORGANICS BY GC/FID           EPA 8015B(M)           RunID: GC2_080429A         QC Batch: E08VS120         PrepDate: Analyst: KHN           GRO 95 5.0 mg/Kg 5 4/29/2008 04:04 PM           Surr: Bromofluorobenzene (FID) 76.2 42-142 %REC 5         4/29/2008 04:04 PM           VOLATILE ORGANIC COMPOUNDS BY GC/PID           EPA 8021B           RunID: GC2_080429A         QC Batch: E08VS120         PrepDate: Analyst: KHN           Benzene         ND 25 µg/Kg 5         4/29/2008 04:04 PM           Ethylbenzene         ND 25 µg/Kg 5         4/29/2008 04:04 PM           m,p-Xylene         ND 50 µg/Kg 5         4/29/2008 04:04 PM           o-Xylene         ND 25 µg/Kg 5         4/29/2008 04:04 PM           Toluene         ND 25 µg/Kg 5         4/29/2008 04:04 PM           4/29/2008 04:04 PM         4/29/2008 04:04 PM           0-Xylene         ND 25 µg/Kg 5         4/29/2008 04:04 PM           0-Xylene         ND 25 µg/Kg 5         4/29/2008 04:04 PM           A/29/2008 04:04 PM <td>RunID:</td> <td>GC7_BACK_080429A</td> <td>QC Batch:</td> <td>45283</td> <td></td> <td></td> <td>F</td> <td>PrepDate:</td> <td>4/29/2008</td> <td>Analyst: CBR</td>  | RunID:  | GC7_BACK_080429A                  | QC Batch:    | 45283  |        |      | F        | PrepDate: | 4/29/2008 | Analyst: CBR      |
| ORO  | nen     |                                   | •            | 7.8    | 1.0    |      | mg/Kg    |           | 1 4/      | 29/2008 12:05 PM  |
| Surr: p-Terphenyl 79.0 26-127 %REC 1 4/29/2008 12:05 PM  GASOLINE RANGE ORGANICS BY GC/FID  EPA 8015B(M)  RuniD: GC2_080429A QC Batch: E08VS120 PrepDate: Analyst: KHN GRO 95 5.0 mg/Kg 5 4/29/2008 04:04 PM Surr: Bromofluorobenzene (FID) 76.2 42-142 %REC 5 4/29/2008 04:04 PM  VOLATILE ORGANIC COMPOUNDS BY GC/PID  EPA 8021B  RuniD: GC2_080429A QC Batch: E08VS120 PrepDate: Analyst: KHN Benzene ND 25 µg/Kg 5 4/29/2008 04:04 PM Ethylbenzene ND 25 µg/Kg 5 4/29/2008 04:04 PM m,p-Xylene ND 50 µg/Kg 5 4/29/2008 04:04 PM o-Xylene ND 25 µg/Kg 5 4/29/2008 04:04 PM Toluene ND 25 µg/Kg 5 4/29/2008 04:04 PM   |         |                                   |              | 4.4    | 1.0    | )    | mg/Kg    |           | • -       |                   |
| RuniD: GC2_080429A   QC Batch: E08VS120   PrepDate:   Analyst: KHN   |         | r n-Terphenvi                     | 79           | 9.0    | 26-127 | •    | %REC     |           | 1 4/      | 29/2008 12:05 PM  |
| RuniD: GC2_080429A   QC Batch: E08VS120   PrepDate:   Analyst: KHN   |         | • •                               | BY GC/FID    |        |        |      |          |           |           |                   |
| GRO 95 5.0 mg/Kg 5 4/29/2008 04:04 PM Surr: Bromofluorobenzene (FID) 76.2 42-142 %REC 5 4/29/2008 04:04 PM VOLATILE ORGANIC COMPOUNDS BY GC/PID  RunID: GC2_080429A QC Batch: E08VS120 PrepDate: Analyst: KHN Benzene ND 25 µg/Kg 5 4/29/2008 04:04 PM Ethylbenzene ND 25 µg/Kg 5 4/29/2008 04:04 PM m,p-Xylene ND 50 µg/Kg 5 4/29/2008 04:04 PM o-Xylene ND 25 µg/Kg 5 4/29/2008 04:04 PM o-Xylene ND 25 µg/Kg 5 4/29/2008 04:04 PM Toluene ND 25 µg/Kg 5 4/29/2008 04:04 PM D 25 µg/Kg 5 4/2 | GAUUL   | THE PROPERTY.                     |              |        |        | E    | PA 8015B | (M)       |           |                   |
| GRO 95 5.0 mg/Kg 5 4/29/2008 04:04 PM Surr: Bromofluorobenzene (FID) 76.2 42-142 %REC 5 4/29/2008 04:04 PM  VOLATILE ORGANIC COMPOUNDS BY GC/PID  RunID: GC2_080429A QC Batch: E08VS120 PrepDate: Analyst: KHN  Benzene ND 25 µg/Kg 5 4/29/2008 04:04 PM  Ethylbenzene ND 25 µg/Kg 5 4/29/2008 04:04 PM  m,p-Xylene ND 50 µg/Kg 5 4/29/2008 04:04 PM  o-Xylene ND 25 µg/Kg 5 4/29/2008 04:04 PM  Toluene ND 25 µg/Kg 5 4/29/2008 04:04 PM  | PuelD:  | GC2 080429A                       | QC Batch:    | E08V\$ | \$120  |      | F        | PrepDate: |           | Analyst: KHN      |
| Surr: Bromofluorobenzene (FID) 76.2 42-142 %REC 5 4/29/2008 04:04 PM.  VOLATILE ORGANIC COMPOUNDS BY GC/PID  RunID: GC2_080429A QC Batch: E08VS120 PrepDate: Analyst: KHN  Benzene ND 25 µg/Kg 5 4/29/2008 04:04 PM  Ethylbenzene ND 25 µg/Kg 5 4/29/2008 04:04 PM  m,p-Xylene ND 50 µg/Kg 5 4/29/2008 04:04 PM  o-Xylene ND 25 µg/Kg 5 4/29/2008 04:04 PM  Toluene ND 25 µg/Kg 5 4/29/2008 04:04 PM   | ·       | 002_00042071                      |              | 05     | 5.0    | ١    | ma/Ka    |           | 5 4       | 29/2008 04:04 PM  |
| Stiff: Bioinbindicides/22816 (1/5)           VOLATILE ORGANIC COMPOUNDS BY GC/PID           EPA 8021B           RuniD: GC2_080429A         QC Batch:         E08VS120         PrepDate:         Analyst: KHN           Benzene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           Ethylbenzene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           m,p-Xylene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           o-Xylene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           Toluene         ND         25         µg/Kg         5         4/29/2008 04:04 PM   |         | - Promofivorobonzono (EID)        |              |        |        |      |          |           | 5 4       | 29/2008 04:04 PM  |
| EPA 8021B           RunID:         GC2_080429A         QC Batch:         E08VS120         PrepDate:         Analyst: KHN           Benzene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           Ethylbenzene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           m,p-Xylene         ND         50         μg/Kg         5         4/29/2008 04:04 PM           o-Xylene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           Toluene         ND         25         μg/Kg         5         4/29/2008 04:04 PM   |         |                                   |              |        | 12     | -    |          |           |           |                   |
| RunID:         GC2_080429A         GC Batch:         E0000120           Benzene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           Ethylbenzene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           m,p-Xylene         ND         50         µg/Kg         5         4/29/2008 04:04 PM           o-Xylene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           Toluene         ND         25         µg/Kg         5         4/29/2008 04:04 PM  | VOLAT   | ILE ORGANIC COMPOUN               | DS B1 GC/FIL | ,      |        |      | EPA 8021 | В         |           |                   |
| Benzene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           Ethylbenzene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           m,p-Xylene         ND         50         µg/Kg         5         4/29/2008 04:04 PM           o-Xylene         ND         25         µg/Kg         5         4/29/2008 04:04 PM           Toluene         ND         25         µg/Kg         5         4/29/2008 04:04 PM  | PuniD:  | GC2 080429A                       | OC Batch:    | E08V   | 5120   |      | í        | PrepDate: |           | Analyst: KHN      |
| Betizelie         ND         25         μg/Kg         5         4/29/2008 04:04 PM           Ethylbenzene         ND         50         μg/Kg         5         4/29/2008 04:04 PM           m,p-Xylene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           o-Xylene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           Toluene         ND         25         μg/Kg         5         4/29/2008 04:04 PM  |         |                                   |              | ND     | 25     | 5    | ца/Ка    |           | 5 4.      | 29/2008 04:04 PM  |
| Entrybetizerie         ND         50         μg/Kg         5         4/29/2008 04:04 PM           m,p-Xylene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           o-Xylene         ND         25         μg/Kg         5         4/29/2008 04:04 PM           Toluene         ND         25         μg/Kg         5         4/29/2008 04:04 PM   |         |                                   |              |        |        |      |          |           | 5 4.      | 29/2008 04:04 PM  |
| in,p-xylene     ND     25     μg/Kg     5     4/29/2008 04:04 PM       o-Xylene     ND     25     μg/Kg     5     4/29/2008 04:04 PM       Toluene     ND     25     μg/Kg     5     4/29/2008 04:04 PM  | •       |                                   |              |        |        | -    |          |           | 5 4.      | 29/2008 04:04 PM  |
| Toluene ND 25 µg/Kg 5 4/29/2008 04:04 PM   | ,, ,    | •                                 |              |        | _      |      |          |           | 5 4.      | /29/2008 04:04 PM |
| [Dillette  | -       |                                   |              |        |        |      |          |           | 5 4.      | /29/2008 04:04 PM |
|  |         | ne<br>r: Bromofluorobenzene (PID) |              |        |        | _    |          |           | 5 4       | /29/2008 04:04 PM |

| Ou | alif | ers |
|----|------|-----|
| ~~ |      |     |

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

Value above quantitation range E

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

### **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-6 (20')

Lab Order:

098436

Collection Date: 4/22/2008 2:05:00 PM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

Lab ID:

098436-013

| Analyse | es ·                        | Result                  |        | PQL    | Qual 1 | Units          | DF        | Date A    | nalyzed             |
|---------|-----------------------------|-------------------------|--------|--------|--------|----------------|-----------|-----------|---------------------|
| DIESEI  | . & MOTOR OIL RANGE (       | ORGANICS E<br>EPA 3550B | Y GC/F | ID     | EPA    | <b>4</b> 8015E | B(M)      |           |                     |
| RuniD:  | GC7_BACK_080429A            | QC Batch:               | 4528   | 33     |        |                | PrepDate: | 4/29/2008 | Analyst: CBR        |
| DRO     |                             |                         | 1.5    | 1.0    |        | mg/Kg          | 1         | 4/29      | /2008 12:30 PM      |
| ORO     |                             |                         | 4.0    | 1.0    |        | mg/Kg          | 1         | 4/29      | /2008 12:30 PM      |
| Sun     | r: p-Terphenyl              |                         | 67.8   | 26-127 |        | %REC           | 1         | 4/29      | /2008 12:30 PM      |
| GASOL   | INE RANGE ORGANICS          | BY GC/FID               |        |        |        |                |           |           |                     |
|         |                             |                         |        |        | EP/    | A 8015E        | B(M)      |           |                     |
| RuniD:  | GC2_080425A                 | QC Batch:               | E08    | VS117  |        |                | PrepDate: |           | Analyst: KHN        |
| GRO     |                             |                         | ND     | 1.0    |        | mg/Kg          | 1         | 4/26      | /2008 12:09 AM      |
| Sun     | r: Bromofluorobenzene (FID) |                         | 109    | 42-142 |        | %REC           | 1         | 4/26      | /2008 12:09 AM      |
| VOLAT   | ILE ORGANIC COMPOUN         | DS BY GC/P              | D      |        |        |                |           |           |                     |
|         |                             |                         |        |        | E      | PA 8021        | IB        |           |                     |
| RuniD:  | GC2_080425A                 | QC Batch:               | E08    | VS117  |        |                | PrepDate: |           | Analyst: <b>KHN</b> |
| Benze   | ne                          |                         | ND     | 5.0    |        | μg/Kg          | 1         | 4/26      | /2008 12:09 AM      |
|         | enzene                      |                         | ND     | 5.0    |        | μg/Kg          | 1         | 4/26      | /2008 12:09 AM      |
| m,p-Xy  |                             |                         | ND     | 10     |        | μg/Kg          | 1         | 4/26      | /2008 12:09 AM      |
| o-Xyle  |                             |                         | ND     | 5.0    |        | μg/Kg          | 1         | 4/26      | /2008 12:09 AM      |
| Toluen  |                             |                         | ND     | 5.0    |        | μg/Kg          | 1         | 4/26      | /2008 12:09 AM      |
| Sum     | : Bromofluorobenzene (PID)  |                         | 118    | 71-139 |        | %REC           | 1         | 4/26      | /2008 12:09 AM      |

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit
  Results are wet unless otherwise specified

# **Advanced Technology Laboratories**

Print Date: 30-Apr-08

CLIENT:

Geocon Consultants, Inc.

Client Sample ID: SB-6 (31')

Lab Order:

098436

Collection Date: 4/22/2008 2:45:00 PM

Project:

DGC Soil & GW Investigation, E8448-06-01

Matrix: SOIL

| Lab ID: | 098436-014                  |            |          |                    |                |           |           |                  |
|---------|-----------------------------|------------|----------|--------------------|----------------|-----------|-----------|------------------|
| Analyse | s                           | Res        | ult _    | PQL                | Qual Units     | DF        | Date      | Analyzed         |
| DIESEL  | & MOTOR OIL RANGE O         |            | Y GC/FIE | )                  | EPA 8015E      | R/M)      |           |                  |
|         | t t                         | PA 3550B   |          |                    |                | • /       |           | A b b . ODD      |
| RunID:  | GC7_BACK_080429A            | QC Batch:  | 45283    | }                  |                | PrepDate: | 4/29/2008 | Analyst: CBR     |
| DRO     |                             |            | 3,2      | 1.0                | mg/Kg          | 1         |           | 9/2008 12:57 PM  |
| ORO     |                             |            | 2.7      | 1.0                | mg/Kg          | 1         |           | 9/2008 12:57 PM  |
| -       | r. p-Terphenyl              |            | 92.5     | 26-127             | %REC           | 1         | 4/2       | 9/2008 12:57 PM  |
|         | INE RANGE ORGANICS I        | BY GC/FID  |          |                    |                |           |           |                  |
| U/IOUL  |                             |            |          |                    | EPA 8015E      | 3(M)      |           | •                |
| RunID:  | GC2_080425A                 | QC Batch:  | E08V     | S117               |                | PrepDate: |           | Analyst: KHN     |
|         | 002_000 12011               |            | ND       | 1.0                | mg/Kg          | 1         | 4/2       | 6/2008 12:34 AM  |
| GRO     | D                           |            | 111      | 42-142             | %REC           | 1         | 4/2       | 6/2008 12:34 AM  |
|         | r: Bromofluorobenzene (FID) | ne by ccib |          | ,                  |                |           |           |                  |
| VOLAI   | TILE ORGANIC COMPOUN        | D3 B1 G0/F |          |                    | EPA 802        | 1B        |           |                  |
| RunID:  | GC2_080425A                 | QC Batch:  | E08V     | 'S117              |                | PrepDate: |           | Analyst: KHN     |
|         | _                           | QC 22.51.  | ND       | 5.0                | μg/Kg          | 1         | 4/2       | 26/2008 12:34 AM |
| Benze   |                             |            |          | 5.0                | μg/Kg          | 1         | 4/2       | 26/2008 12:34 AM |
| •       | enzene                      |            | ND       | 10                 | μg/Kg<br>μg/Kg | 1         | 4/2       | 26/2008 12:34 AM |
| m,p-X   | •                           |            | ND       | 5.0                | μg/Kg          | ·<br>1    | 4/:       | 26/2008 12:34 AM |
| o-Xyle  |                             |            | ND       | 5.0                | μg/Kg          | 1         |           | 26/2008 12:34 AM |
| Tolue   | · <del>-</del>              |            | ND       |                    | μg/Ng<br>%REC  | 1         |           | 26/2008 12:34 AM |
| Sur     | r: Bromofluorobenzene (PID) |            | 121      | 71-13 <del>9</del> | 70KEU          |           |           |                  |

| Qualiflers | Q١ | ga) | ifl | er | S |
|------------|----|-----|-----|----|---|
|------------|----|-----|-----|----|---|

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

### Advanced Technology Laboratories

CLIENT: Geocon Consultants, Inc.

Work Order: 098436

Project:

DGC Soil & GW Investigation, E8448-06-01

# ANALYTICAL QC SUMMARY REPORT

TestCode: 8015\_S\_DM LL

Date: 30-Apr-08

| Sample ID: MB-45283       | SampType: MBLK  | TestCode: 8015_S_DM L U | Inits: mg/Kg | Prep Date: 4/29/2008           | RunNo: 93962    |      |
|---------------------------|-----------------|-------------------------|--------------|--------------------------------|-----------------|------|
| Client ID: PB\$           | Batch ID: 45283 | TestNo: EPA 8015B(M EI  | PA 3550B     | Analysis Date: 4/29/2008       | SeqNo: 1447458  |      |
| Analyte                   | Result          | PQL SPK value SPK I     | Ref Val %REC | LowLimit HighLimit RPD Ref Val | %RPD RPDLimit   | Qual |
| DRO                       | ND              | 1,0                     |              |                                |                 |      |
| ORO .                     | ND              | 1.0                     |              |                                |                 |      |
| Sur: p-Terphenyl          | 1,818           | 2.670                   | 68.1         | 26 127                         |                 |      |
| Sample ID: LCS-45283      | SampType: LCS   | TestCode: 8015_S_DM L U | Jnits: mg/Kg | Prep Date: 4/29/2008           | RunNo: 93962    |      |
| Client ID: LCSS           | Batch ID: 45283 | TestNo: EPA 8015B(M E   | PA 3550B     | Analysis Date: 4/29/2008       | SeqNo: 1447459  |      |
| Analyte                   | Result          | PQL SPK value SPK I     | Ref Val %REC | LowLimit HighLimit RPD Ref Va  | %RPD RPDLimit   | Qual |
| DRO                       | 28,005          | 1.0 33,00               | 0 84,9       | 27 105                         | •               |      |
| Surr: p-Terphenyl         | 2.078           | 2.670                   | 77.8         | 26 127                         |                 |      |
| Sample ID: 098430-065AMS  | SampType: MS    | TestCode: 8015_S_DM_L_U | Jnits: mg/Kg | Prep Date: 4/29/2008           | RunNo: 93962    |      |
| Client ID: ZZZZZZ         | Batch ID: 45283 | TestNo: EPA 8015B(M E   | PA 3550B     | Analysis Date: 4/29/2008       | SeqNo: 1447460  |      |
| Analyte                   | Result          | PQL SPK value SPK       | Ref Val %REC | LowLimit HighLimit RPD Ref Va  | %RPD RPDLimit   | Qual |
| DRO                       | 54.275          | 1.0 33.00               | 10.55 133    | 14 102                         |                 | Ş    |
| Surr: p-Terphenyl         | 2.133           | 2.670                   | 79.9         | 26 127                         |                 |      |
| Sample ID: 098430-065AMSD | SampType: MSD   | TestCode: 8015_S_DM L \ | Jnits: mg/Kg | Prep Date: 4/29/2008           | RunNo: 93962    |      |
| Client ID: ZZZZZZ         | Batch ID: 45283 | TestNo: EPA 8015B(M E   | PA 3550B     | Analysis Date: 4/29/2008       | SeqNo: 1447461  |      |
| Analyte                   | Result          | PQL SPK value SPK       | Ref Val %REC | LowLimit HighLimit RPD Ref Va  | I %RPD RPDLimit | Qual |
| DRO                       | 68.900          | 1.0 33.00               | 10.55 177    | 14 102 54,2                    | 23,7 20         | SR   |
| Surr: p-Terphenyl         | 2.292           | 2.670                   | 85.8         | 26 127                         | 0 0             |      |

#### Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

E Value above quantitation range

R. RPD outside accepted recovery limits Calculations are based on raw values H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order: 098436

Project:

DGC Soil & GW Investigation, E8448-06-01

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8015\_S\_GAS

|  |  |                       |   |   |                     |   |   |                                      | -  |                                      |      |
|--|--|-----------------------|---|---|---------------------|---|---|--------------------------------------|--|--------------------------------------|------|
| Sample ID: E080425MB1  | SampType: MBLK   | TestCode              | e: 8015_S_G                                 | AS Units: mg/Kg                             |                     | Prep Date   | e:  | . •                                  | RunNo: 938   | 96                                   |      |
| Client ID: PBS   | Batch ID: E08VS117   | TestNe                | o: EPA 80158                                | 3(M   |                     | Analysis Date   | e: 4/25/20                                    | 08                                   | SeqNo: 144   | 6012                                 |      |
| Analyte  | Result   | PQL                   | SPK value                                   | SPK Ref Val                                 | %REC                | LowLimit  | HighLimit                                     | RPD Ref Val                          | %RPD   | RPDLimit                             | Qual |
| GRO<br>Surr: Bromofluorobenzene (FID   | 0.392<br>) 101.314   | 1.0                   | 100.0                                       |   | 101                 | 42  | 142   |                                      |  |                                      | * 1  |
| Sample ID: 098430-038AMS   | SampType: MS   | TestCod               | e: <b>8</b> 015 S G                         | AS Units: mg/Kg                             |                     | Prep Date   | <del></del><br>8;                             |                                      | RunNo: 938   | 96                                   |      |
| Client ID: ZZZZZZ  | Batch ID: E08VS117   | TestN                 | o: EPA 80151                                | 3(M   |                     | Anatysis Dat  | e: <b>4/25/2</b> 0                            | 08                                   | SeqNo: 144   | 16014                                |      |
| Analyte  | Result   | PQL                   | SPK value                                   | SPK Ref Val                                 | %REC                | LowLimit  | HighLimit                                     | RPD Ref Val                          | %RPD   | RPDLimit                             | Qual |
| GRO  | 4.579  | 1,0                   | 5,000                                       | 0   | 91.6                | 33  | 120   |                                      |  |                                      |      |
| Surr: Bromofluorobenzene (FID  | ) 100.328  |                       | 100.0                                       |   | 100                 | 42  | 142   |                                      |  |                                      |      |
|  | · · · · · · · · · · · · · · · · · · ·  |                       |   |   |                     |   |   |                                      |  |                                      |      |
| Sample ID: 098430-038AMSD  | SampType: MSD  | TestCod               | le: 8015_S_G                                | AS Units: mg/Kg                             |                     | Prep Dat  | e:  |                                      | RunNo: 93  | 896                                  |      |
| Sample ID: 098430-038AMSD Client ID: ZZZZZZ  | SampType: MSD<br>Batch ID: E08VS117  |                       | le: 8015_S_G<br>lo: EPA 8015                |   |                     | Prep Dat<br>Analysis Dat                                  |   | 008                                  | RunNo: 93/<br>SeqNo: 14/                                   |                                      |      |
| •  |  |                       | lo: EPA 8015                                |   | %REC                | Analysis Dat  | e: <b>4/25/2</b> 0                            | 08<br>RPD Ref Val                    |  |                                      | Qual |
| Client ID: ZZZZZZ  | Batch ID: E08VS117   | TestN                 | lo: EPA 8015                                | B(M   |                     | Analysis Dat<br>LowLimit                                  | e: 4/25/20<br>HighLimit                       |                                      | SeqNo: 14<br>%RPD<br>1.37                                  | 46015<br>RPDLimit<br>20              | Qual |
| Client ID: ZZZZZZ<br>Analyte   | Batch ID: E08VS117  Result  4,642  | TestN                 | lo: EPA 8015<br>SPK value                   | B(M<br>SPK Ref Val                          | %REC                | Analysis Dat  | e: 4/25/20                                    | RPD Ref Val                          | SeqNo: 14  | 46015<br>RPDLimit                    | Qual |
| Client ID: ZZZZZZ Analyte GRO  | Batch ID: E08VS117  Result  4,642  | TestN<br>PQL<br>1,0   | lo: EPA 8015<br>SPK value<br>5.000<br>100.0 | B(M<br>SPK Ref Val                          | %REC<br>92.8        | Analysis Dat<br>LowLimit                                  | e: <b>4/25/2</b> 0<br>HighLimit<br>120<br>142 | RPD Ref Val                          | SeqNo: 14<br>%RPD<br>1.37                                  | 46015<br>RPDLimit<br>20<br>20        | Qual |
| Client ID: ZZZZZZ  Analyte  GRO Sum: Bromofluorobenzene (FID   | Batch ID: E08VS117  Result  4,642 0) 100.491                                     | PQL<br>1,0            | lo: EPA 8015<br>SPK value<br>5.000<br>100.0 | B(M<br>SPK Ref Val<br>0<br>GAS Units: mg/Kg | %REC<br>92.8        | Analysis Dat<br>LowLimit<br>33<br>42                      | HighLimit 120 142                             | RPD Ref Val                          | SeqNo: 144<br>%RPD<br>1.37<br>0                            | 46015<br>RPDLimit<br>20<br>20        | Qual |
| Client ID: ZZZZZZ  Analyte  GRO Surr: Bromofluorobenzene (FID  Sample ID: E080425LCS1                  | Batch ID: E08VS117  Result  4,642 100.491  SampType: LCS                         | PQL<br>1,0            | 5.000<br>100.0<br>de: 8015_S_0              | B(M<br>SPK Ref Val<br>0<br>GAS Units: mg/Kg | %REC<br>92.8        | Analysis Date  LowLimit  33  42  Prep Date  Analysis Date | HighLimit 120 142 te: 4/26/2                  | RPD Ref Val                          | SeqNo: 14-<br>%RPD<br>1,37<br>0<br>RunNo: 93               | 896<br>46035                         |      |
| Client ID: ZZZZZZ  Analyte  GRO Surr: Bromofluorobenzene (FID  Sample ID: E080425LCS1  Client ID: LCSS | Batch ID: E08VS117  Result  4,642  0) 100,491  SampType: LCS  Batch ID: E08VS117 | PQL<br>1,0<br>TestCoo | 5.000<br>100.0<br>de: 8015_S_0              | B(M<br>SPK Ref Val<br>0<br>GAS Units: mg/Kg | %REC<br>92.8<br>100 | Analysis Date  LowLimit  33  42  Prep Date  Analysis Date | HighLimit 120 142 te: 4/26/2                  | 4.579<br>4.579<br>008<br>RPD Ref Val | SeqNo: 14-<br>%RPD<br>1.37<br>0<br>RunNo: 93<br>SeqNo: 14- | RPDLimit<br>20<br>20<br>896<br>46035 | Qual |

| Qua | lifi | ers |
|-----|------|-----|

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

E Value above quantitation range

R RPD outside accepted recovery limits Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order:

098436

Project: DGC Soil & GW Investigation, E8448-06-01

### ANALYTICAL QC SUMMARY REPORT

TestCode: 8015\_S\_GAS

| Sample ID: 098482-001AMS Client ID: ZZZZZZ | SampType: MS Batch ID: E08VS120 |         | B: 8015_S_GA                          | AS Units: mg/Kg | -           | Prep Da<br>Analysis Da      | le:<br>te: <b>4/29/2</b> 0 | 08          | RunNo: 939<br>SeqNo: 144 | -            |      |
|--|---------------------------------|---------|---------------------------------------|-----------------|-------------|-----------------------------|----------------------------|-------------|--------------------------|--------------|------|
| Analyte                                    | Result                          | PQL     | SPK value                             | SPK Ref Val     | %REC        | LowLimit                    | HighLimit                  | RPD Ref Val | %RPD                     | RPDLimit     | Qual |
| GRO<br>Surr: Bromofluorobenzene (F         | 4,910<br>ID) 101.799            | 1.0     | 5,000<br>100.0                        | 0               | 98.2<br>102 | 33<br>42                    | 120<br>142                 |             |                          | <u>:</u>     |      |
| Sample ID: 098482-001AMSD                  | SampType: MSD                   | TestCod | e: 8015_S_G                           | AS Units: mg/Kg |             | Prep Da                     | te;                        |             | RunNo: 939               | 184          |      |
| Client ID: ZZZZZZ                          | Batch ID: E08VS120              | TestN   | o: <b>EPA 8015</b> E                  | 3(M             |             | Analysis Da                 | te: 4/29/20                | 08          | SeqNo: 144               | 17732        |      |
| Analyte                                    | Result                          | PQL     | SPK value                             | SPK Ref Val     | %REC        | LowLimit                    | HighLimit                  | RPD Ref Val | %RPD                     | RPDLimit     | Qual |
| GRO<br>Surr: Bromofluorobenzene (F         | 4,688<br>FID) 103.417           | 1.0     | 5,000<br>100.0                        | 0               | 93.8<br>103 | 33<br>42                    | 120<br>142                 | 4.910       | 4,63<br>0                | 20<br>20     |      |
| Sample ID: E080429MB2                      | SampType: MBLK                  |         | le: 8015_S_G                          |                 |             | Prep Da                     | ite:<br>ite: 4/29/20       | ing         | RunNo: 931<br>SeqNo: 144 |              |      |
| Client ID: PBS                             | Batch ID: E08VS120              | restr   | lo: EPA 8015I                         | S(M             |             | •                           |                            |             | ,                        |              |      |
| Analyte                                    | Result                          | PQL     | SPK value                             | SPK Ref Val     | %REC        | lioud imid                  |                            |             |                          |              |      |
| l  |                                 |         |                                       |                 | /IINEO      | CONCINI                     | HighLimit                  | RPD Ref Val | %RPD                     | RPDLimit     | Qual |
| GRO<br>Sum: Bromafluorobenzene (I          | ND<br>FID) 101.185              | 1.0     | 100.0                                 |                 | 101         | 42                          | HighLimit                  | RPD Ref Val | %RPD                     | REDUMIL      | Quai |
|  |                                 |         |                                       |                 | -           |                             | 142                        | KPD Ker Val | %RPD                     |              | Quai |
| Sum: Bromofluorobenzene (I                 | FID) 101.185                    | TestCo  | 100.0                                 | AS Units: mg/Kg | -           | 42<br>Prep Da               | 142                        |             |                          | 984          | Qual |
| Sum: Bromofluorobenzene (I                 | SampType: LCS                   | TestCo  | 100.0<br>de: 8015_S_G<br>No: EPA 8015 | AS Units: mg/Kg | -           | 42<br>Prep D:<br>Analysis D | 142<br>ate:<br>ate: 4/29/2 |             | RunNo: 93                | 984<br>47738 | Qual |

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- E Value above quantitation range
- R RPD outside accepted recovery limits Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order:

098436

Project: DGC Soil & GW Investigation, E8448-06-01

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8015\_W\_DM\_LL

| Sample ID: MB-45230<br>Client ID: PBW  | SampType: MBLK<br>Batch ID: 45230                                   | TestCode: 8015_W_DM_ Units: mg/L<br>TestNo: EPA 8015B(M EPA 3510C  | Prep Date: 4/25/2008<br>Analysis Date: 4/25/2008   | RunNo: 93911<br>SeqNo: 1446402                                   |
|--|---|--|--|--|
| Analyte  | Result  | PQL SPK value SPK Ref Val  | %REC LowLimit HighLimit RPD Ref Val  | %RPD RPDLimit Qual   |
| DRO<br>ORO<br>Sum: p-Terphenyl   | ND<br>ND<br>0.083   | 0,050<br>0,050<br>0,08000  | 104 37 134   |  |
| Sample ID: LCS-45230   | SampType: LCS   | TestCode; 8015_W_DM_ Units: mg/L   | Prep Date: 4/25/2008   | RunNo: 93911   |
| Client ID: LCSW  | Batch ID: 45230   | TestNo: EPA 8015B(M EPA 3510C  | Analysis Date: 4/25/2008   | SeqNo: 1446403   |
| Analyte  | Result  | PQL SPK value SPK Ref Val  | %REC LowLimit HighLimit RPD Ref Val  | %RPD RPDLimit Qual   |
| DRO  | 0.821   | 0.050 1.000 0  | B2.1 43 105  |  |
| Surr: p-Terphenyl  | 0,077   | 0,08000  | 95.7 37 134  |  |
|  |   |  |  |  |
| Sample ID: MB-45230  | SampType: MS  | TestCode: 8015_W_DM_ Units: mg/L   | Prep Date: 4/25/2008   | RunNo: 93911   |
| Sample ID: MB-45230<br>Client ID: ZZZZZZ   | SampType: MS<br>Batch ID: 45230                                     | TestCode: 8015_W_DM_ Units: mg/L<br>TestNo: EPA 8015B(M EPA 3510C  | Prep Date: 4/25/2008<br>Analysis Date: 4/25/2008   | RunNo: 93911<br>SeqNo: 1446404                                   |
| ļ '  |   |  | •  |  |
| Client ID: ZZZZZZ  | Batch ID: 45230   | TestNo: EPA 8015B(M EPA 3510C  PQL SPK value SPK Ref Val  0.050 1.000 0  | Analysis Date: 4/25/2008  %REC LowLimit HighLimIt RPD Ref Val  102 43 105  | SeqNo: 1446404   |
| Client ID: ZZZZZZ<br>Analyte   | Batch ID: 45230<br>Result   | TestNo: EPA 8015B(M EPA 3510C  | Analysis Date: 4/25/2008  %REC LowLimit HighLimit RPD Ref Val  | SeqNo: 1446404   |
| Client ID: ZZZZZZ<br>Analyte<br>DRO  | Batch ID: 45230<br>Result<br>1.020                                  | TestNo: EPA 8015B(M EPA 3510C  PQL SPK value SPK Ref Val  0.050 1.000 0  | Analysis Date: 4/25/2008  %REC LowLimit HighLimIt RPD Ref Val  102 43 105  | SeqNo: 1446404   |
| Client ID: ZZZZZZ  Analyte  DRO Surr: p-Terphenyl  | Batch ID: 45230<br>Result<br>1,020<br>0,094                         | TestNo: EPA 8015B(M EPA 3510C  PQL SPK value SPK Ref Val  0.050 1.000 0  0.08000   | Analysis Date: 4/25/2008  ***REC LowLimit HighLimit RPD Ref Val  102 43 105 117 37 134   | SeqNo: 1446404<br>%RPD RPDLImit Qual                             |
| Client ID: ZZZZZZ  Analyte  DRO Surr: p-Terphenyl  Sample ID: MB-45230                   | Batch ID: 45230  Result 1.020 0.094  SampType: MSD                  | TestNo: EPA 8015B(M EPA 3510C  PQL SPK value SPK Ref Val  0.050 1.000 0  0.08000  TestCode: 8015_W_DM_ Units: mg/l                               | Analysis Date: 4/25/2008  ***REC LowLimit HighLimit RPD Ref Val  102 43 105 117 37 134  **Prep Date: 4/25/2008                         | SeqNo: 1446404<br>%RPD RPDLImit Qual<br>RunNo: 93911             |
| Client ID: ZZZZZZ  Analyte  DRO Surr: p-Terphenyl  Sample ID: MB-45230 Client ID: ZZZZZZ | Patch ID: 45230  Result  1.020 0.094  SampType: MSD Batch ID: 45230 | TestNo: EPA 8015B(M EPA 3510C  PQL SPK value SPK Ref Val  0.050 1.000 0 0.08000  TestCode: 8015_W_DM_ Units: mg/l  TestNo: EPA 8015B(M EPA 3510C | Analysis Date: 4/25/2008  **REC LowLimit HighLimit RPD Ref Val  102 43 105 117 37 134   Prep Date: 4/25/2008  Analysis Date: 4/25/2008 | SeqNo: 1446404  %RPD RPDLImit Qual  RunNo: 93911  SeqNo: 1446405 |

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

E Value above quantitation range

R RPD outside accepted recovery limits Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order: 098436

Project:

DGC Soil & GW Investigation, E8448-06-01

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8015\_W\_GP LL

| •  | SampType: MBLK   |                        | ie: 8015_W_G   | -  |                     | Prep Dat  |   | 00                    | RunNo: 939   |                        |      |
|--|--|------------------------|--|--|---------------------|---|---|-----------------------|--|------------------------|------|
| Client ID: PBW   | Batch ID: D08VW023   | 1 estiv                | lo: EPA 8015E  | 3(M  |                     | Analysis Da   | (8: 4/25/20                                   | UB                    | SeqNo: 144   | 6258                   |      |
| Analyte '  | Result   | PQL                    | SPK value  | SPK Ref Val                                      | %REC                | LowLimit  | HighLimit                                     | RPD Ref Val           | %RPD   | RPDLimit               | Qual |
| GRO  | ΩN   | 0.050                  |  |  |                     |   |   |                       |  |                        |      |
| Sum Bromofluorobenzene (FID)   | 98.344   |                        | 100.0  |  | 98,3                | 76  | 127   |                       |  |                        |      |
| Sample ID: D042508MB2MS  | SampType: MS   | TestCo                 | de: 8015_W_G   | SP Units: mg/L                                   |                     | Prep Da   | te;   |                       | RunNo: 939   | 03                     |      |
| Client ID: ZZZZZZ  | Batch ID: D08VW023   | Test!                  | lo: EPA 80156  | В(М  |                     | Analysis Da   | te: 4/25/20                                   | 08                    | SeqNo: 144   | 6260                   |      |
| Analyte  | Result   | PQL                    | SPK value  | SPK Ref Val                                      | %REC                | LowLimit  | HighLimit                                     | RPD Ref Val           | %RPD   | RPDLimit               | Qual |
| GRO  | 0.866  | 0,050                  | 1,000  | 0  | 86,6                | 77  | 122   |                       |  |                        |      |
| Surr: Bromofluorobenzene (FID)   | 110,104  |                        | 100.0  |  | 110                 | 76  | 127   |                       |  |                        |      |
|  |  |                        |  |  |                     |   |   |                       |  |                        |      |
| Sample ID: D042508MB2MSD   | SampType: MSD  | TestCo                 | de: 8015_W_0   | SP Units: mg/L                                   |                     | Prep Da   | te:   |                       | RunNo: 939   | 103                    |      |
|  |  |                        | de: 8015_W_0<br>No: EPA 8015                         | _  |                     | Prep Da<br>Analysis Da                              |   | 108                   | RunNo: 939<br>SeqNo: 144                                     |                        |      |
| Sample ID: D042508MB2MSD   | SampType: MSD  |                        | <br>No: EPA 8015                                     | _  |                     | Analysis Da   | te: <b>4/25/2</b> (                           | 108<br>RPD Ref Val    |  |                        | Qual |
| Sample ID: D042508MB2MSD Client ID: ZZZZZZ   | SampType: MSD Batch ID: D08VW023   | Testř                  | <br>No: EPA 8015                                     | B(M  |                     | Analysis Da   | te: <b>4/25/2</b> (                           |                       | SeqNo: 144   | 16261                  | Qual |
| Sample ID: D042508MB2MSD Client ID: ZZZZZZ Analyte   | SampType: MSD Batch ID: D08VW023 Result 0.860  | Testř<br>PQL           | No: EPA 8015   | B(M<br>SPK Ref Val                               | %REC                | Analysis Da<br>LowLimit                             | te: 4/25/20                                   | RPD Ref Val           | SeqNo: 144<br>%RPD   | RPDLImit               | Qual |
| Sample ID: D042508MB2MSD Client ID: ZZZZZZ Analyte GRO   | SampType: MSD Batch ID: D08VW023 Result 0.860  | PQL<br>0,050           | SPK value  | B(M<br>SPK Ref Val                               | %REC<br>86,0        | Analysis Da<br>LowLimit<br>77                       | te: <b>4/25/20</b><br>HighLimit<br>122<br>127 | RPD Ref Val           | SeqNo: 144<br>%RPD<br>0,695                                  | RPDLImit 20            | Qual |
| Sample ID: D042508MB2MSD Client ID: ZZZZZZ Analyte GRO Surr: Bromofluorobenzene (FID)  | SampType: MSD Batch ID: D08VW023 Result 0.860 109.234                                  | PQL<br>0.050           | No: <b>EPA 8015</b> 0<br>SPK value<br>1,000<br>100.0 | B(M<br>SPK Ref Val<br>0<br>GP Units: mg/L        | %REC<br>86,0        | Analysis Da<br>LowLimit<br>77<br>76                 | te: 4/25/20<br>HighLimit<br>122<br>127        | RPD Ref Val<br>0,8660 | SeqNo: 144<br>%RPD<br>0,695<br>0                             | RPDLImit 20 0          | Qual |
| Sample ID: D042508MB2MSD Client ID: ZZZZZZ Analyte GRO Sum: Bromofluorobenzene (FID) Sample ID: D042508LCS1                  | SampType: MSD Batch ID: D08VW023 Result 0,860 109.234 SampType: LCS                    | PQL<br>0.050           | SPK value<br>1,000<br>100.0<br>de: 8015_W_(          | B(M<br>SPK Ref Val<br>0<br>GP Units: mg/L        | %REC<br>86,0        | Analysis Da<br>LowLimit<br>77<br>76<br>Prep Da      | HighLimit 122 127 te: 4/25/24                 | RPD Ref Val<br>0,8660 | SeqNo: 144<br>%RPD<br>0,695<br>0<br>RunNo: 939               | RPDLImit 20 0          | Qual |
| Sample ID: D042508MB2MSD Client ID: ZZZZZZ Analyte GRO Surr: Bromofluorobenzene (FID) Sample ID: D042508LCS1 Client ID: LCSW | SampType: MSD Batch ID: D08VW023 Result 0,860 109.234 SampType: LCS Batch ID: D08VW023 | PQL<br>0,050<br>TestCo | SPK value<br>1,000<br>100.0<br>de: 8015_W_(          | B(M<br>SPK Ref Val<br>0<br>GP Units: mg/L<br>B(M | %REC<br>86,0<br>109 | Analysis Da  LowLimit  77  76  Prep Da  Analysis Da | HighLimit 122 127 te: 4/25/24                 | 0.8660                | SeqNo: 144<br>%RPD<br>0,695<br>0<br>RunNo: 933<br>SeqNo: 144 | 20<br>0<br>0<br>846270 |      |

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- E Value above quantitation range
- R RPD outside accepted recovery limits Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

098436

Work Order: Project:

DGC Soil & GW Investigation, E8448-06-01

### ANALYTICAL QC SUMMARY REPORT

TestCode: 8021\_S\_BTEX

| Sample ID: E080425MB1         | SampType: MBLK     |      | ie: 8021_S_B<br>lo: EPA 8021 | -           |      | Prep Da<br>Analysis Da |           |             | RunNo: 93:<br>SegNo: 14 |          |      |
|-------------------------------|--------------------|------|------------------------------|-------------|------|------------------------|-----------|-------------|-------------------------|----------|------|
| Client ID: PBS                | Batch ID: E08VS117 | resu | 10. EPA 8021                 | 5           |      | rulaly.sis Da          |           |             | 0041101 1440000         |          |      |
| Analyte                       | Result             | PQL  | SPK value                    | SPK Ref Val | %REC | LowLimit               | HighLimit | RPD Ref Val | %RPD                    | RPDLimit | Qual |
| Benzene                       | ND                 | 5.0  | ·                            |             |      |                        |           |             |                         |          |      |
| Ethylbenzene                  | ND.                | 5,0  |                              |             |      |                        |           |             |                         |          |      |
| m.p-Xylene                    | ND                 | 10   |                              |             |      |                        |           |             |                         |          |      |
| o-Xylene                      | ND                 | 5,0  |                              |             |      |                        |           |             |                         |          |      |
| Toluene                       | 1,790              | 5.0  |                              |             |      |                        |           |             |                         |          |      |
| Surr. Bromofluorobenzene (PID | ) 109.744          |      | 100,0                        |             | 110  | 71                     | 139       |             |                         |          |      |

| Sample ID: 098430-038AMS<br>Client ID: ZZZZZZ | SampType: MS Batch ID: E08VS117 | TestCode: 8021_S_BTE Units: µg/Kg<br>TestNo: EPA 8021B |           |             |      | Prep Dat<br>Analysis Dat |           | RunNo: 93896<br>SeqNo: 1446038 |      |          |      |
|---|---------------------------------|--|-----------|-------------|------|--------------------------|-----------|--------------------------------|------|----------|------|
| Analyte                                       | Result                          | PQL  | SPK value | SPK Ref Val | %REC | LowLimit                 | HighLimit | RPD Ref Val                    | %RPD | RPDLimit | Qual |
| Benzene                                       | 30,702                          | 5,0  | 35.75     | 0           | 85.9 | 39                       | 113       |                                |      |          |      |
| Ethylbenzene                                  | 40,202                          | 5.0  | 49.65     | 0           | 81.0 | 38                       | 112       |                                |      |          |      |
| m.p-Xylene                                    | 168.999                         | 10   | 199.6     | D           | 84.7 | 42                       | 110       |                                |      |          |      |
| o-Xylene                                      | 62,325                          | 5.0  | 78,40     | 0           | 79.5 | 35                       | 100       |                                |      |          |      |
| Toluene                                       | 160.387                         | 5,0  | 172.2     | 2.172       | 91.9 | 50                       | 110       |                                |      |          |      |
| Surr: Bromofluorobenzene (PID                 | ) 113.957                       |  | 100.0     |             | 114  | 71                       | 139       |                                |      |          |      |

| Sample ID: 098430-038AMSD Client ID: ZZZZZZ | SampType: MSD TestCode: 8021_S_BTE Units: µg/Kg Batch ID: E08VS117 TestNo: EPA 8021B |     |           |             |      | Prep Dat<br>Analysis Da |           | RunNo: 93896<br>SeqNo: 1446039 |      |          |      |
|---|--|-----|-----------|-------------|------|-------------------------|-----------|--------------------------------|------|----------|------|
| Analyte                                     | Result   | PQL | SPK value | SPK Ref Val | %REC | LowLimit                | HighLimit | RPD Ref Val                    | %RPD | RPDLimit | Qual |
| Benzene                                     | 30,095   | 5.0 | 35.75     | 0           | 84.2 | 39                      | 113       | 30.70                          | 2,00 | 20       |      |
| Ethylbenzene                                | 34.167   | 5,0 | 49.65     | 0           | 68.8 | 38                      | 112       | 40.20                          | 16.2 | 20       |      |
| m.p-Xylene                                  | 162.348  | 10  | 199.6     | 0           | B1.4 | 42                      | 110       | 169.0                          | 4,01 | 20       |      |
| o-Xylene                                    | 56,990   | 5.0 | 78.40     | 0           | 72.7 | 35                      | 100       | 62,32                          | 8.94 | 20       |      |
| Toluene                                     | 158.280  | 5.0 | 172.2     | 2.172       | 90.6 | 50                      | 110       | 160.4                          | 1.32 | 20       |      |
| Surr. Bromoffuorobenzene (PII               |  |     | 100.0     |             | 111  | 71                      | 139       |                                | 0    | 20       |      |

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- E Value above quantitation range
- R RPD outside accepted recovery limits Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order:

098436

Project:

DGC Soil & GW Investigation, E8448-06-01

### ANALYTICAL QC SUMMARY REPORT

TestCode: 8021\_S\_BTEX

| Sample ID: E080425LCS2        | SampType: LCS       | TestCo | de: <b>8021_S_B</b> | TE Units: μg/Kg |      | Prep Da     | te:          |             | RunNo: 938 | 198      |      |
|-------------------------------|---------------------|--------|---------------------|-----------------|------|-------------|--------------|-------------|------------|----------|------|
| Client ID: LCSS               | Batch ID: E08V\$117 | Testf  | No: EPA 8021        | В               |      | Analysis Da | ite: 4/26/20 | 008         | SeqNo: 144 | 16058    |      |
| Analyte                       | Result              | PQL    | SPK value           | SPK Ref Val     | %REC | LowLimit    | HighLimit    | RPD Ref Val | %RPD       | RPDLimit | Qual |
| Benzene                       | 108,812             | 5,0    | 100.0               | 0               | 109  | B1          | 115          |             |            |          |      |
| Ethylbenzene                  | 109.411             | 5.0    | 100.0               | 0               | 109  | 82          | 116          |             |            |          |      |
| m,p-Xylene                    | 225,411             | 10     | 200.0               | 0               | 113  | 83          | 120          |             |            |          |      |
| o-Xylene                      | 111,908             | 5.0    | 100.0               | 0               | 112  | 84          | 120          |             |            |          |      |
| Toluene                       | 112,492             | 5.0    | 100,0               | 1,790           | 111  | 82          | 118          |             |            |          |      |
| Surr; Bromofluorobenzene (PID | ) 113.372           |        | 100.0               |                 | 113  | 71          | 139          |             |            |          |      |

#### Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

E Value above quantitation range

R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order:

098436

Project:

DGC Soil & GW Investigation, E8448-06-01

### ANALYTICAL QC SUMMARY REPORT

TestCode: 8021\_S\_BTEX

| Result 30.964 34.518 57.636 80.972 56.561 17.368 MSD E08V\$120 Result 29.306 33.316 57.344 61.789 49.445 18.670               | TestN<br>PQL<br>5.0<br>5.0<br>10<br>5.0<br>5.0<br>5.0                         | SPK value  35.75 49.65 199.6 78.40 172.2 100.0  de: 8021_S_B to: EPA 8021   | SPK Ref Val  0 0 0 0 0 0 0 TE Units: µg/Kg                                    | %REC<br>86.6<br>69.5<br>79.0<br>77.8<br>90.9<br>117                                 | 39<br>38<br>42<br>35<br>50<br>71<br>Prep Da<br>Analysis Da                   | HighLimit 113 112 110 100 110 139 te: 4/29/20                             | RPD Ref Val                                   | RunNo: 939 SeqNo: 144 %RPD  RunNo: 939 SeqNo: 144 %RPD 5.50 3.54 0.185 | 7755<br>RPDLimit                              | Qual  |
|---|---|---|---|---|--|---|---|--|---|---|
| Result 30,964 34,518 57,636 30,972 56,561 17,368 MSD E08VS120 Result 29,306 33,316 57,344 61,789 49,445                       | PQL  5.0 5.0 10 5.0 5.0 TestCoo TestN  PQL  5.0 5.0 10 5.0 5.0                | SPK value  35.75 49.65 199.6 78.40 172.2 100.0 de: 8021_S_B 80: EPA 8021 SPK value  35.75 49.65 199.6 78.40                         | SPK Ref Val  0 0 0 0 0 0 0 0 STE Units: µg/Kg B SPK Ref Val 0 0               | %REC<br>86.6<br>69.5<br>79.0<br>77.8<br>90.9<br>117<br>%REC<br>82.0<br>67.1<br>78.8 | LowLimit 39 38 42 35 50 71 Prep Da Analysis Da LowLimit 39 38                | HighLimit  113 112 110 100 110 139  te:  te: 4/29/20  HighLimit 113 112   | D8 RPD Ref Val  30.96 34.52                   | %RPD  RunNo: 939 SeqNo: 144  %RPD  5.50 3.54                           | RPDLimit  84  7756  RPDLimit  20 20           |   |
| 80.964<br>34.518<br>57.636<br>60.972<br>56.561<br>17.368<br>MSD<br>E08VS120<br>Result<br>29.306<br>33.318<br>57.344<br>61.789 | 5.0<br>5.0<br>10<br>5.0<br>5.0<br>TestCoo<br>TestN<br>PQL<br>5.0<br>5.0       | 35.75<br>49.65<br>199.8<br>78.40<br>172.2<br>100.0<br>de: 8021_S_B<br>to: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40 | 0<br>0<br>0<br>0<br>0<br>0<br>ETE Units: µg/Kg<br>BB<br>SPK Ref Val<br>0<br>0 | 86.6<br>69.5<br>79.0<br>77.8<br>90.9<br>117<br>%REC<br>82.0<br>67.1<br>78.8         | 39<br>38<br>42<br>35<br>50<br>71<br>Prep Da<br>Analysis Da<br>LowLimit       | 113<br>112<br>110<br>100<br>110<br>139<br>te:<br>te: 4/29/20<br>HighLimit | D8<br>RPD Ref Val<br>30.96<br>34.52           | RunNo: 939<br>SeqNo: 144<br>%RPD<br>5.50<br>3.54                       | 84<br>.7758<br>RPDLimit<br>20<br>20           |   |
| 34,518<br>57,636<br>50,972<br>56,561<br>17,368<br>MSD<br>E08VS120<br>Result<br>29,306<br>33,316<br>57,344<br>61,789<br>49,445 | 5.0<br>10<br>5.0<br>5.0<br>5.0<br>TestCoo<br>TestN<br>PQL<br>5.0<br>5.0<br>10 | 49.65<br>199.6<br>78.40<br>172.2<br>100.0<br>de: 8021_S_B<br>to: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40          | 0<br>0<br>0<br>0<br>TE Units: µg/Kg<br>B<br>SPK Ref Val<br>0<br>0             | 69.5<br>79.0<br>77.8<br>90.9<br>117<br>%REC<br>82.0<br>67.1<br>78.8                 | 38<br>42<br>35<br>50<br>71<br>Prep Da<br>Analysis Da<br>LowLimit<br>39<br>38 | 112<br>110<br>100<br>110<br>139<br>te:<br>te: 4/29/20<br>HighLimit        | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Qual  |
| 57.636<br>50.972<br>56.561<br>17.368<br>MSD<br>E08VS120<br>Result<br>29.306<br>33.316<br>57.344<br>61.789                     | 10<br>5.0<br>5.0<br>5.0<br>TestCoo<br>TestN<br>PQL<br>5.0<br>5.0<br>10<br>5.0 | 199.6<br>78.40<br>172.2<br>100.0<br>de: 8021_S_B<br>lo: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40                   | 0<br>0<br>0<br>STE Units: µg/Kg<br>B<br>SPK Ref Val<br>0<br>0                 | 79.0<br>77.8<br>90.9<br>117<br>%REC<br>82.0<br>67.1<br>78.8                         | 42<br>35<br>50<br>71<br>Prep Da<br>Analysis Da<br>LowLimit<br>39<br>38       | 110<br>100<br>110<br>139<br>te:<br>te: 4/29/20<br>HighLimit               | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Qual  |
| 50.972<br>56.561<br>17.368<br>MSD<br>E08VS120<br>Result<br>29.306<br>33.316<br>57.344<br>61.789                               | 5.0<br>5.0<br>TestCoo<br>TestN<br>PQL<br>5.0<br>5.0<br>10<br>5.0              | 78.40<br>172.2<br>100.0<br>de: 8021_S_B<br>do: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40                            | 0<br>0<br>STE Units: µg/Kg<br>B<br>SPK Ref Val<br>0<br>0<br>0                 | 77.8<br>90.9<br>117<br>%REC<br>82.0<br>67.1<br>78.8                                 | 35<br>50<br>71<br>Prep Da<br>Analysis Da<br>LowLimit<br>39<br>38             | 100<br>110<br>139<br>te:<br>te: 4/29/20<br>HighLimit<br>113<br>112        | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Qual  |
| 56.561<br>17.368<br>MSD<br>E08VS120<br>Result<br>29.306<br>33.316<br>57.344<br>61.789<br>49,445                               | 5.0  TestCoo  TestN  PQL  5.0  5.0  10  5.0                                   | 172.2<br>100.0<br>de: 8021_S_B<br>do: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40                                     | D<br>TE Units: µg/Kg<br>BB<br>SPK RefVal<br>0<br>0<br>0                       | 90,9<br>117<br>%REC<br>82.0<br>67.1<br>78,8   | 50<br>71<br>Prep Da<br>Analysis Da<br>LowLimit<br>39<br>38                   | 110<br>139<br>te:<br>te: 4/29/20<br>HighLimit<br>113<br>112               | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Quat  |
| 17.368  MSD  E08VS120  Result  29.306 33.316 57.344 61.789 49,445   | TestCoo<br>TestN<br>PQL<br>5.0<br>5.0<br>10                                   | 100.0<br>de: 8021_\$_B<br>do: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40   | ETE Units: µg/Kg<br>BB<br>SPK RefVal<br>0<br>0<br>0                           | %REC<br>82.0<br>67.1<br>78.8  | 71<br>Prep Da<br>Analysis Da<br>LowLimit<br>39<br>38                         | 139 te: te: 4/29/20 HighLimit 113 112                                     | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Qual  |
| MSD<br>E08VS120<br>Result<br>29.306<br>33.316<br>57.344<br>61.789<br>49,445   | FQL<br>5.0<br>5.0<br>10<br>5.0  | de: 8021_S_B<br>No: EPA 8021<br>SPK value<br>35.75<br>49.65<br>199.6<br>78.40   | SPK Ref Val  0 0 0  | %REC<br>82.0<br>67.1<br>78.8  | Prep Dar<br>Analysis Da<br>LowLimit<br>39<br>38                              | te:<br>te: 4/29/20<br>HighLimit<br>113<br>112                             | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Qual  |
| Result 29.306 33.316 57.344 61.789 49,445   | FQL<br>5.0<br>5.0<br>10<br>5.0  | SPK value<br>35.75<br>49.65<br>199.6<br>78.40   | SPK Ref Val  0 0 0  | %REC<br>82.0<br>67.1<br>78.8  | Analysis Da<br>LowLimit<br>39<br>38  | te: <b>4/29/2</b> 0<br>HighLimit<br>113<br>112                            | RPD Ref Val<br>30.96<br>34.52                 | SeqNo: 144<br>%RPD<br>5.50<br>3.54                                     | 7756<br>RPDLimit<br>20<br>20                  | Qual  |
| Result<br>29.306<br>33.316<br>57.344<br>61.789<br>49,445  | PQL<br>5.0<br>5.0<br>10<br>5.0  | SPK value<br>35.75<br>49.65<br>199.6<br>78.40   | SPK Ref Val  0 0 0  | %REC<br>82.0<br>67.1<br>78.8  | LowLimit<br>39<br>38   | HighLimit<br>113<br>112   | RPD Ref Val<br>30.96<br>34.52                 | %RPD<br>5.50<br>3.54   | RPDLimit<br>20<br>20                          | Qual  |
| 29.306<br>33.316<br>57.344<br>61.789<br>49.445  | 5.0<br>5.0<br>10<br>5.0   | 35.75<br>49.65<br>199.6<br>78.40  | 0<br>0<br>0   | 82.0<br>67.1<br>78.8  | 39<br>38   | 113<br>112  | 30.96<br>34.52                                | 5.50<br>3.54   | 20<br>20                                      | Qual  |
| 33,316<br>57,344<br>61,789<br>49,445  | 5.0<br>10<br>5.0  | 49.65<br>199,6<br>78,40   | <b>o</b><br>D   | 67.1<br>78,8  | 38   | 112   | 34.52   | 3.54   | 20  |   |
| 57.344<br>61.789<br>49,445  | 10<br>5.0   | 199,6<br>78,40  | 0   | 78,8  |  |   |   |  |   |   |
| 61,789<br>49,445  | 5.0   | 78,40   | =   |   | 42   | 110   | 157.6   | 0,185  | 20  |   |
| 49,445  |   |   | 0   | 78.8  |  |   |   |  |   |   |
|   | 5.0   | 472.4   |   | 10,0  | . 35   | 100   | 60.97   | 1.33   | 20  |   |
| 18.670  |   | 112.2   | Q.  | 86.8  | 50   | 110   | 156.6   | 4,65   | 20  |   |
|   |   | 100.0   |   | 119   | 71   | 139   | •   | 0  | 20  |   |
| MBLK  | TestCor   | de: <b>8021_S_E</b>   | BTE Units: µg/Ke  |   | Prep Da  | ite;  |   | RunNo: 939   | 84  |   |
| E08V\$120   | Test  | No: EPA 8021  | В   |   | Analysis Da  | nte: 4/29/20  | 108   | SeqNo: 144   | 17799   |   |
| Result  | PQL   | SPK value   | SPK Ref Val   | %REC  | LowLimit   | HighLimit   | RPD Ref Val                                   | %RPD   | RPDLimit                                      | Qua   |
| ND  | 5.0   |   |   |   |  |   |   |  |   |   |
| ND  | 5,0   |   |   |   |  |   |   |  |   |   |
| ND  | 10  |   |   |   |  | •   |   |  |   |   |
| ND  | 5.0   |   |   |   |  |   |   |  |   |   |
| ND  | 5.0   |   |   |   |  |   |   |  |   |   |
| 07.863  |   | 100.0   |   | 108   | 71   | 139   |   |  |   |   |
|   | ND<br>ND<br>ND<br>ND  | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0   | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0                                 | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0                                       | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0                                | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0                             | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0 | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0                          | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0 | ND 5.0<br>ND 5.0<br>ND 10<br>ND 5.0<br>ND 5.0 |

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

R RPD outside accepted recovery limits Calculations are based on raw values

S Spike/Surrogate outside of limits due to matrix interference

Geocon Consultants, Inc.

Work Order:

098436

Project:

DGC Soil & GW Investigation, E8448-06-01

#### ANALYTICAL QC SUMMARY REPORT

TestCode: 8021\_S\_BTEX

| Sample ID: E080429LCS2<br>Client ID: LCSS | SampType: LCS Batch ID: E08VS120 |     | de: 8021_S_B<br>No: EPA 8021! | ,,,,        |      | Prep Da<br>Analysis Da |     | RunNo: 93984<br>SeqNo: 1447805 |      |          |      |
|---|----------------------------------|-----|-------------------------------|-------------|------|------------------------|-----|--------------------------------|------|----------|------|
| Analyte                                   | Result                           | PQL |                               | SPK Ref Val | %REC | LowLimit               |     | RPD Ref Val                    | %RPD | RPDLImit | Quai |
| Benzene                                   | 106.934                          | 5,0 | 100.0                         | 0 ·         | 107  | 81                     | 115 |                                |      |          | ,    |
| Ethylbenzene                              | 110,767                          | 5.0 | 100.0                         | D           | 111  | 82                     | 116 |                                |      |          |      |
| m,p-Xylene                                | 225.172                          | 10  | 200.0                         | 0           | 113  | 83                     | 120 |                                |      |          |      |
| o-Xylene                                  | 113,607                          | 5.D | 100,0                         | 0           | 114  | 84                     | 120 |                                |      |          |      |
| Toluene                                   | 108.981                          | 5.0 | 100,0                         | 0           | 109  | 82                     | 118 |                                |      |          |      |
| Surr: Bromofluorobenzene (PID             | ) 113.346                        |     | 100,0                         |             | 113  | 71                     | 139 |                                |      |          |      |

#### Qualifiers:

DO Surrogate Diluted Out

R RPD outside accepted recovery limits Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

E Value above quantitation range

Geocon Consultants, Inc.

Work Order: Project: 098436

DGC Soil & GW Investigation, E8448-06-01

### ANALYTICAL QC SUMMARY REPORT

TestCode: 8021\_WP\_BTEX

| Sample ID: D042508MB2<br>Client ID: PBW | SampType: MBLK Batch ID: D08VW023 | TestCode: 8021_WP_BT Units: μg/L<br>TestNo: EPA 8021B |           |             |      | Prep Da<br>Analysis Da |           | RunNo: 93903<br>SeqNo: 1446301 |      |          |      |
|---|-----------------------------------|---|-----------|-------------|------|------------------------|-----------|--------------------------------|------|----------|------|
| Analyte                                 | Result                            | PQL   | SPK value | SPK Ref Val | %REC | LowLimit               | HighLimit | RPD Ref Val                    | %RPD | RPDLimit | Qual |
| Benzene                                 | ND                                | 0.50  |           | -           |      |                        |           |                                |      |          |      |
| Toluene                                 | 0.482                             | 0.50  |           |             |      |                        |           |                                |      |          |      |
| Ethylbenzene                            | ND                                | 0,50  |           |             |      |                        |           |                                |      |          |      |
| m,p-Xylene                              | ND                                | 1.0   |           |             |      |                        |           |                                |      |          |      |
| o-Xylene                                | ND                                | 0,50  |           |             |      |                        |           |                                |      |          |      |
| Sun; Bromofluorobenzene (PID)           | 86,723                            |   | 100.D     |             | 86.7 | 82                     | 136       |                                |      |          |      |

| Sample ID: D042508LCS2 Client ID: LCSW | SampType: LCS Batch ID: D08VW023 |      | de: 8021_WP<br>No: EPA 8021 | BT Units: µg/L<br>B |      | Prep Da<br>Analysis Da | te:<br>te: 4/25/20 | 108         | RunNo: 93903<br>SeqNo: 1446308 |          |      |  |
|--|----------------------------------|------|-----------------------------|---------------------|------|------------------------|--------------------|-------------|--------------------------------|----------|------|--|
| Analyte                                | Result                           | PQL  | SPK value                   | SPK Ref Val         | %REC | LowLimit               | HighLimit          | RPD Ref Val | %RPD                           | RPDLimit | Qual |  |
| Benzene                                | 92,470                           | 0.50 | 100.0                       | 0                   | 92.5 | 59                     | 129                |             |                                |          |      |  |
| Toluene                                | 96.784                           | 0.50 | 100.0                       | 0.4820              | 96.3 | 68                     | 122                |             |                                |          |      |  |
| Ethylbenzene                           | 99.362                           | 0.50 | 100,0                       | 0                   | 99,4 | 64                     | 128                |             |                                |          |      |  |
| m,p-Xylene                             | 196,174                          | 1.0  | 200.0                       | 0                   | 98.1 | 71                     | 124                |             |                                |          |      |  |
| o-Xylene                               | 98,174                           | 0.50 | 100.0                       | 0                   | 98.2 | 62                     | 124                |             |                                |          |      |  |
| Sum: Bromofluorobenzene (PID           | 93.043                           |      | 100.0                       |                     | 93.0 | 82                     | 136                |             |                                |          |      |  |

#### Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

E Value above quantitation range

R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference