



Date of Report: 11/16/2015

Jennifer Brady

E & B Natural Resources Management Corp.

1600 Norris Road

Bakersfield, CA 93308

Client Project: T10000007269

BCL Project: GIG

BCL Work Order: 1527691

Invoice ID: B219149

Enclosed are the results of analyses for samples received by the laboratory on 10/30/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Kerrie Vaughan
Client Services

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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Chain of Custody Form

Report To: *E&B Natural Resources* Project #: *GIG* Page *1* of *1*

Client: *Veronica Brady* Project Name: *GIG*

Attn: *Joe Adams* Street Address: *100 Adams Rd*

City, State, Zip: *Los Angeles, CA 90008* Sampler(s): *Je Adams*

Phone: *428-6146* Fax: *310-206-1000*

Email Address: *je@bradysresources.com*

Work Order #: *15-27691*

Analysis Requested: *Electrical Conductivity in Soil, General Minerals in Soil, Chlorides in Groundwater, Sulfate in Groundwater*

Comments: *Normal TAT*

Are there any tests with holding times less than or equal to 48 hours? Yes No

* Standard Turnaround = 10 work days

| Sample # | Description | Date Sampled | Time Sampled | EDF Required? Geotracker | EDF Required? Same as above | Global ID (Needed for EDF) | 1. Relinquished By | 2. Relinquished By | 3. Relinquished By | 1. Received By | 2. Received By | 3. Received By | Time | Date | Time | Date | Time | Date | |
|-------------|----------------------|--------------|--------------|---|---|----------------------------|--------------------|--------------------|--------------------|----------------|----------------|----------------|------|------|------|------|------|------|--|
| B1-d25-1 | Bring 1 Soil Samples | 10/29/15 | 7:36 | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Same as above | | | | | | | | | | | | | | |
| B1-d6-0-2 | | | 7:45 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d9-0-3 | | | 7:57 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d15-0-4 | | | 8:09 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d20-0-5 | | | 8:21 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d25-0-6 | | | 8:34 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d30-0-7 | | | 8:40 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d35-0-8 | | | 8:51 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d40-0-9 | | | 8:58 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d45-0-10 | | | 9:08 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-d47-0-11 | | | 9:12 | <input type="checkbox"/> No | <input type="checkbox"/> No | | | | | | | | | | | | | | |
| B1-GW47.0-n | Bring Groundwater | | 9:55 | <input type="checkbox"/> No | <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | |

Global ID (Needed for EDF):

1. Relinquished By: *[Signature]* Date: *11/30/15* Time: *8:28*

2. Relinquished By: *[Signature]* Date: *11/30/15* Time: *8:28*

3. Relinquished By: *[Signature]* Date: *11/30/15* Time: *8:28*

1. Received By: *[Signature]* Date: *10/30/15* Time: *8:28*

2. Received By: *[Signature]* Date: *10/30/15* Time: *8:28*

3. Received By: *[Signature]* Date: *10/30/15* Time: *8:28*

Client: *E&B Natural Resources* Address: _____ State _____ Zip _____

City: _____ State _____ Zip _____

Attn: _____

PO#: _____

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 of 2

Submission #: 15-27691

SHIPPING INFORMATION
Fed Ex [] UPS [] Ontrac [] Hand Delivery [x]
BC Lab Field Service [] Other [] (Specify) _____

SHIPPING CONTAINER
Ice Chest [x] None [] Box []
Other [] (Specify) _____

FREE LIQUID
YES [] NO [x]

Refrigerant: Ice [x] Blue Ice [] None [] Other [] Comments:

Custody Seals Ice Chest [] Containers [] None [x]
Intact? Yes [] No [] Intact? Yes [] No []

All samples received? Yes [x] No [] All samples containers intact? Yes [] No [] Description(s) match COC? Yes [x] No []

COC Received
YES [x] NO []

Emissivity: 0.97 Container: [] Thermometer ID: 208
Temperature: (A) 1.2 °C (C) 1.1 °C

Date/Time 10-30-15
Analyst Init []

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various container types like QT PE UNPRES, PT INORGANIC CHEMICAL METALS, etc. Handwritten 'A' marks are present in the Sample Numbers columns for SOIL SLEEVE and PCB VIAL.

Comments: + description destination
Sample Numbering Completed By: JPL Date/Time: 10-30-15 1300
Rev 20 07/24/2015



BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 of 2

Submission #: 15-27691

| | | | | |
|---|--|---|--|--|
| SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input checked="" type="checkbox"/> BC Lab Field Service <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____ | | SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____ | | FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/> |
|---|--|---|--|--|

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals Ice Chest Containers None Comments: _____

Intact? Yes No Intact? Yes No

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

COC Received YES NO

Emissivity: 0.97 Container: GFPE Thermometer ID: 308 Date/Time: 10-30-15

Temperature: (A) 1.2 °C / (C) 1.1 °C Analyst Init: AD8

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|--|----------------|------------|---|---|---|---|---|---|---|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | <u>EL</u> | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz Cr ⁶ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | <u>H</u> | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PIA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | <u>996</u> | <u>178</u> | | | | | | | | |
| QT EPA 1664 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270 | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | | <u>17</u> | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | <u>X04</u> | <u>A</u> | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments: _____

Sample Numbering Completed By: JDL Date/Time: 10-30-15 1300 Rev 20 07/24/2015

A = Actual / C = Corrected

(S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 20)



Kerrie Vaughan

From: jmonroe@rabootherconsulting.com
Sent: Monday, November 02, 2015 7:36 AM
To: Kerrie Vaughan
Subject: E&B GIG Well Site Samples for B1 delivered 10-30-15

Hi Kerrie,

The Global ID # for the COC and samples delivered Friday for E&B is T10000007269. Can you please fill that in on your COC form. Also for General minerals for the groundwater samples it includes: Electrical Conductivity, Total Dissolved Solids (TDS), Chloride, Boron, Carbonate, Bicarbonate, Nitrate-Nitrogen, Sulfate, Calcium, Magnesium, Potassium, and Sodium.

I will be going up again Wednesday to collect samples from an excavation. Do you have approximately 30 steel or brass tubes with caps that I could get from you for those samples. I will be delivering those sample back to you this Thursday.

Thank you,

Jeff Monroe
530-237-6628



E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information |
|------------|---------------------------|
|------------|---------------------------|

| | | |
|-------------------|--|--|
| 1527691-01 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d2.5 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 07:36 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|--|--|

| | | |
|-------------------|--|--|
| 1527691-02 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d6.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 07:45 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|--|--|

| | | |
|-------------------|--|--|
| 1527691-03 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d9.5 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 07:57 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|--|--|

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information |
|------------|---------------------------|
|------------|---------------------------|

| | | |
|-------------------|---|--|
| 1527691-04 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d15.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:09 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

| | | |
|-------------------|---|--|
| 1527691-05 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d20.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:21 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

| | | |
|-------------------|---|--|
| 1527691-06 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d25.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:34 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

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Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information |
|------------|---------------------------|
|------------|---------------------------|

| | | |
|-------------------|---|--|
| 1527691-07 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d30.5 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:40 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

| | | |
|-------------------|---|--|
| 1527691-08 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d35.5 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:51 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

| | | |
|-------------------|---|--|
| 1527691-09 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d40.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:58 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information |
|------------|---------------------------|
|------------|---------------------------|

| | | |
|-------------------|---|--|
| 1527691-10 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d46.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 09:08 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

| | | |
|-------------------|---|--|
| 1527691-11 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d47.5 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 09:12 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID: |
|-------------------|---|--|

| | | |
|-------------------|--|--|
| 1527691-12 | COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-GW47.0 Boring Sampled By: Jeff Monroe | Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 09:55 Sample Depth: --- Lab Matrix: Water Sample Type: Waste, Solid Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: W Sample QC Type (SACode): CS Cooler ID: |
|-------------------|--|--|

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, Bl-d.2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------------|--------------|--------------|---------------|------------------|-------------|--------------|-------|
| Benzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Bromobenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Bromochloromethane | ND | mg/kg | 0.025 | 0.0046 | EPA-8260B | | A01 | 1 |
| Bromodichloromethane | ND | mg/kg | 0.025 | 0.0042 | EPA-8260B | | A01 | 1 |
| Bromoform | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Bromomethane | ND | mg/kg | 0.025 | 0.0080 | EPA-8260B | | A01 | 1 |
| n-Butylbenzene | 0.019 | mg/kg | 0.025 | 0.0075 | EPA-8260B | | J,A01 | 1 |
| sec-Butylbenzene | 0.041 | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| Chlorobenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Chloroethane | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| Chloroform | ND | mg/kg | 0.025 | 0.0032 | EPA-8260B | | A01 | 1 |
| Chloromethane | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.025 | 0.0090 | EPA-8260B | | A01 | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| Dibromochloromethane | ND | mg/kg | 0.025 | 0.0050 | EPA-8260B | | A01 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.025 | 0.0085 | EPA-8260B | | A01 | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.025 | 0.0050 | EPA-8260B | | A01 | 1 |
| Dibromomethane | ND | mg/kg | 0.025 | 0.0090 | EPA-8260B | | A01 | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.025 | 0.0040 | EPA-8260B | | A01 | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.025 | 0.0042 | EPA-8260B | | A01 | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.025 | 0.0040 | EPA-8260B | | A01 | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-01 | | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------------|--|----------------------|---------------|------------------|--------------|--------------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| Ethylbenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.025 | 0.0085 | EPA-8260B | | A01 | 1 |
| Isopropylbenzene | 0.014 | mg/kg | 0.025 | 0.0065 | EPA-8260B | | J,A01 | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Methylene chloride | ND | mg/kg | 0.050 | 0.012 | EPA-8260B | | A01 | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.025 | 0.0025 | EPA-8260B | | A01 | 1 |
| Naphthalene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| n-Propylbenzene | 0.010 | mg/kg | 0.025 | 0.0065 | EPA-8260B | | J,A01 | 1 |
| Styrene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| Tetrachloroethene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Toluene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.025 | 0.010 | EPA-8260B | | A01 | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.025 | 0.010 | EPA-8260B | | A01 | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.025 | 0.0038 | EPA-8260B | | A01 | 1 |
| Trichloroethene | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | 2040 | A01 | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.025 | 0.0080 | EPA-8260B | | A01 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Vinyl chloride | ND | mg/kg | 0.025 | 0.0080 | EPA-8260B | | A01 | 1 |
| Total Xylenes | ND | mg/kg | 0.050 | 0.017 | EPA-8260B | | A01 | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.025 | 0.011 | EPA-8260B | | A01 | 1 |
| o-Xylene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 108 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 94.3 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8260B | 11/03/15 | 11/11/15 10:42 | ADC | MS-V2 | 5 | BYK0271 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|------------------------------|--------|-------|-----|------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Acenaphthylene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Aldrin | ND | mg/kg | 1.0 | 0.24 | EPA-8270C | 1.4 | A10 | 1 |
| Aniline | ND | mg/kg | 2.0 | 0.53 | EPA-8270C | | A10 | 1 |
| Anthracene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Benzidine | ND | mg/kg | 30 | 2.2 | EPA-8270C | | A10 | 1 |
| Benzo[a]anthracene | ND | mg/kg | 1.0 | 0.12 | EPA-8270C | | A10 | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Benzo[a]pyrene | ND | mg/kg | 1.0 | 0.15 | EPA-8270C | | A10 | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 1.0 | 0.56 | EPA-8270C | | A10 | 1 |
| Benzoic acid | ND | mg/kg | 5.0 | 0.67 | EPA-8270C | | A10 | 1 |
| Benzyl alcohol | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| alpha-BHC | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| beta-BHC | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| delta-BHC | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | 4.0 | A10 | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 2.0 | 0.43 | EPA-8270C | | A10 | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 4-Chloroaniline | ND | mg/kg | 1.0 | 0.27 | EPA-8270C | | A10 | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 1.0 | 0.15 | EPA-8270C | | A10 | 1 |
| Chrysene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 4,4'-DDD | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | 1.0 | A10 | 1 |
| 4,4'-DDE | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | 1.0 | A10 | 1 |
| 4,4'-DDT | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | 1.0 | A10 | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Dibenzofuran | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|-----|-------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 2.0 | 0.067 | EPA-8270C | | A10 | 1 |
| Dieldrin | ND | mg/kg | 1.0 | 0.31 | EPA-8270C | 8.0 | A10 | 1 |
| Diethyl phthalate | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Dimethyl phthalate | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 1.0 | 0.22 | EPA-8270C | | A10 | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Endosulfan I | ND | mg/kg | 2.0 | 0.20 | EPA-8270C | | A10 | 1 |
| Endosulfan II | ND | mg/kg | 2.0 | 0.21 | EPA-8270C | | A10 | 1 |
| Endosulfan sulfate | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| Endrin | ND | mg/kg | 2.0 | 0.25 | EPA-8270C | 0.2 | A10 | 1 |
| Endrin aldehyde | ND | mg/kg | 5.0 | 0.22 | EPA-8270C | | A10 | 1 |
| Fluoranthene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| Fluorene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Heptachlor | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | 4.7 | A10 | 1 |
| Heptachlor epoxide | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| Hexachlorobenzene | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| Hexachlorobutadiene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Hexachloroethane | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 1.0 | 0.72 | EPA-8270C | | A10 | 1 |
| Isophorone | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Naphthalene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 2-Naphthylamine | ND | mg/kg | 30 | 1.6 | EPA-8270C | | A10 | 1 |
| 2-Nitroaniline | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 3-Nitroaniline | ND | mg/kg | 2.0 | 0.15 | EPA-8270C | | A10 | 1 |
| 4-Nitroaniline | ND | mg/kg | 2.0 | 0.25 | EPA-8270C | | A10 | 1 |
| Nitrobenzene | ND | mg/kg | 1.0 | 0.15 | EPA-8270C | | A10 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|-------|-----------|--------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 1.0 | 0.37 | EPA-8270C | | A10 | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| Phenanthrene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Pyrene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 2.0 | 0.22 | EPA-8270C | | A10 | 1 |
| 2-Chlorophenol | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 1.0 | 0.35 | EPA-8270C | | A10 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 5.0 | 0.12 | EPA-8270C | | A10 | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 5.0 | 0.077 | EPA-8270C | | A10 | 1 |
| 2-Methylphenol | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 2.0 | 0.33 | EPA-8270C | | A10 | 1 |
| Total Methylphenol | ND | mg/kg | 2.0 | 0.47 | EPA-8270C | | A10 | 1 |
| 2-Nitrophenol | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| 4-Nitrophenol | ND | mg/kg | 2.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Pentachlorophenol | ND | mg/kg | 2.0 | 0.13 | EPA-8270C | 17 | A10 | 1 |
| Phenol | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 2.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 2.0 | 0.17 | EPA-8270C | | A10 | 1 |
| PCB-1016 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1221 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1232 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1242 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1248 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1254 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1260 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1262 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1268 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| Total PCB's (Summation) | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| 2-Fluorophenol (Surrogate) | 77.7 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 67.4 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|---|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 51.9 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 55.1 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 47.9 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 66.9 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 20:31 | VH1 | MS-B2 | 9.344 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | 6.4 | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 122 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/05/15 | 11/05/15 23:09 | AKM | GC-V8 | 1 | BYK0127 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|---|-------|----------------------|-----|---------------|---------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| TPH - Diesel (FFP) | 280 | mg/kg | 50 | 6.0 | EPA-8015B/FFP | ND | A01 | 1 |
| TPH - Motor Oil | 340 | mg/kg | 100 | 32 | EPA-8015B/FFP | ND | A01 | 1 |
| Tetracosane (Surrogate) | 69.2 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | A01 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/05/15 22:36 | MWB | GC-2 | 5.017 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

WET Test (STLC)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | STLC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Barium | 15 | mg/L | 0.10 | 0.014 | EPA-6010B | 100 | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-6010B | 11/08/15 | 11/09/15 19:18 | ARD | PE-OP3 | 1 | BYK0800 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-01 | Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 3.2 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 1800 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.29 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 32 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 6.4 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 19 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 8.1 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | ND | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | | 2 |
| Molybdenum | 0.22 | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | J | 1 |
| Nickel | 23 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.21 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 28 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 36 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:08 | ARD | PE-OP3 | 0.917 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:04 | MEV | CETAC1 | 1.025 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-----------------------------|---------------|--------------|---------------|---------------|------------------|--------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | 0.0061 | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | 0.0024 | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | J | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-02 | | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|---------------|--|----------------------|---------------|------------------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | 0.0035 | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | J | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | 0.0035 | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | J | 1 |
| n-Propylbenzene | 0.0029 | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | J | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 97.3 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 100 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/02/15 | 23:46 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------------|--------------|-------------|--------------|------------------|-------------|-----------|----------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | 0.061 | mg/kg | 0.10 | 0.019 | EPA-8270C | | J | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|----------------------------|-------------|--------------|----------------------|--------------|------------------|-------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | 0.12 | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 84.8 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 75.9 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------------|--------|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Nitrobenzene-d5 (Surrogate) | 66.7 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 63.5 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 73.8 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 68.1 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 20:56 | VH1 | MS-B2 | 0.977 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | 1.5 | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 130 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/05/15 | 11/05/15 23:30 | AKM | GC-V8 | 1 | BYK0127 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|---|-------|----------------------|-----|---------------|---------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| TPH - Diesel (FFP) | 84 | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | 100 | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 72.4 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/05/15 22:59 | MWB | GC-2 | 0.990 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-02 | Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 2.1 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 270 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.37 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 21 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 8.0 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 13 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 5.9 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | 0.041 | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | J | 2 |
| Molybdenum | ND | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | | 1 |
| Nickel | 23 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.10 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 22 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 40 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:09 | ARD | PE-OP3 | 0.952 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:06 | MEV | CETAC1 | 1.025 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-03 Client Sample Name: GIG, Bl-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|-------|--------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Bromobenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Bromochloromethane | ND | mg/kg | 0.025 | 0.0046 | EPA-8260B | | A01 | 1 |
| Bromodichloromethane | ND | mg/kg | 0.025 | 0.0042 | EPA-8260B | | A01 | 1 |
| Bromoform | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Bromomethane | ND | mg/kg | 0.025 | 0.0080 | EPA-8260B | | A01 | 1 |
| n-Butylbenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| sec-Butylbenzene | 0.0088 | mg/kg | 0.025 | 0.0060 | EPA-8260B | | J,A01 | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| Chlorobenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Chloroethane | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| Chloroform | ND | mg/kg | 0.025 | 0.0032 | EPA-8260B | | A01 | 1 |
| Chloromethane | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.025 | 0.0090 | EPA-8260B | | A01 | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| Dibromochloromethane | ND | mg/kg | 0.025 | 0.0050 | EPA-8260B | | A01 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.025 | 0.0085 | EPA-8260B | | A01 | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.025 | 0.0050 | EPA-8260B | | A01 | 1 |
| Dibromomethane | ND | mg/kg | 0.025 | 0.0090 | EPA-8260B | | A01 | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.025 | 0.0040 | EPA-8260B | | A01 | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.025 | 0.0042 | EPA-8260B | | A01 | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.025 | 0.0040 | EPA-8260B | | A01 | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-03 | | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|--|----------------------|--------|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| Ethylbenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.025 | 0.0085 | EPA-8260B | | A01 | 1 |
| Isopropylbenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Methylene chloride | ND | mg/kg | 0.050 | 0.012 | EPA-8260B | | A01 | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.025 | 0.0025 | EPA-8260B | | A01 | 1 |
| Naphthalene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| n-Propylbenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Styrene | ND | mg/kg | 0.025 | 0.0070 | EPA-8260B | | A01 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| Tetrachloroethene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| Toluene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.025 | 0.010 | EPA-8260B | | A01 | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.025 | 0.010 | EPA-8260B | | A01 | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.025 | 0.0038 | EPA-8260B | | A01 | 1 |
| Trichloroethene | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | 2040 | A01 | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.025 | 0.0055 | EPA-8260B | | A01 | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.025 | 0.0080 | EPA-8260B | | A01 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.025 | 0.0065 | EPA-8260B | | A01 | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.025 | 0.0075 | EPA-8260B | | A01 | 1 |
| Vinyl chloride | ND | mg/kg | 0.025 | 0.0080 | EPA-8260B | | A01 | 1 |
| Total Xylenes | ND | mg/kg | 0.050 | 0.017 | EPA-8260B | | A01 | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.025 | 0.011 | EPA-8260B | | A01 | 1 |
| o-Xylene | ND | mg/kg | 0.025 | 0.0060 | EPA-8260B | | A01 | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 93.2 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 96.9 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 97.3 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8260B | 11/02/15 | 11/11/15 11:04 | ADC | MS-V2 | 5 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|------------------------------|--------|-------|-----|------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Acenaphthylene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Aldrin | ND | mg/kg | 1.0 | 0.24 | EPA-8270C | 1.4 | A10 | 1 |
| Aniline | ND | mg/kg | 2.0 | 0.53 | EPA-8270C | | A10 | 1 |
| Anthracene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Benzidine | ND | mg/kg | 30 | 2.2 | EPA-8270C | | A10 | 1 |
| Benzo[a]anthracene | ND | mg/kg | 1.0 | 0.12 | EPA-8270C | | A10 | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Benzo[a]pyrene | ND | mg/kg | 1.0 | 0.15 | EPA-8270C | | A10 | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 1.0 | 0.56 | EPA-8270C | | A10 | 1 |
| Benzoic acid | ND | mg/kg | 5.0 | 0.67 | EPA-8270C | | A10 | 1 |
| Benzyl alcohol | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| alpha-BHC | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| beta-BHC | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| delta-BHC | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | 4.0 | A10 | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 2.0 | 0.43 | EPA-8270C | | A10 | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 4-Chloroaniline | ND | mg/kg | 1.0 | 0.27 | EPA-8270C | | A10 | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 1.0 | 0.15 | EPA-8270C | | A10 | 1 |
| Chrysene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 4,4'-DDD | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | 1.0 | A10 | 1 |
| 4,4'-DDE | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | 1.0 | A10 | 1 |
| 4,4'-DDT | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | 1.0 | A10 | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Dibenzofuran | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|-------------|--------------|------------|-------------|------------------|-------------|--------------|----------|
| 1,3-Dichlorobenzene | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 2.0 | 0.067 | EPA-8270C | | A10 | 1 |
| Dieldrin | ND | mg/kg | 1.0 | 0.31 | EPA-8270C | 8.0 | A10 | 1 |
| Diethyl phthalate | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Dimethyl phthalate | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 1.0 | 0.22 | EPA-8270C | | A10 | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Endosulfan I | ND | mg/kg | 2.0 | 0.20 | EPA-8270C | | A10 | 1 |
| Endosulfan II | ND | mg/kg | 2.0 | 0.21 | EPA-8270C | | A10 | 1 |
| Endosulfan sulfate | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| Endrin | ND | mg/kg | 2.0 | 0.25 | EPA-8270C | 0.2 | A10 | 1 |
| Endrin aldehyde | ND | mg/kg | 5.0 | 0.22 | EPA-8270C | | A10 | 1 |
| Fluoranthene | 0.18 | mg/kg | 1.0 | 0.17 | EPA-8270C | | J,A10 | 1 |
| Fluorene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Heptachlor | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | 4.7 | A10 | 1 |
| Heptachlor epoxide | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| Hexachlorobenzene | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| Hexachlorobutadiene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 1.0 | 0.19 | EPA-8270C | | A10 | 1 |
| Hexachloroethane | ND | mg/kg | 1.0 | 0.20 | EPA-8270C | | A10 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 1.0 | 0.72 | EPA-8270C | | A10 | 1 |
| Isophorone | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Naphthalene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 2-Naphthylamine | ND | mg/kg | 30 | 1.6 | EPA-8270C | | A10 | 1 |
| 2-Nitroaniline | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 3-Nitroaniline | ND | mg/kg | 2.0 | 0.15 | EPA-8270C | | A10 | 1 |
| 4-Nitroaniline | ND | mg/kg | 2.0 | 0.25 | EPA-8270C | | A10 | 1 |
| Nitrobenzene | ND | mg/kg | 1.0 | 0.15 | EPA-8270C | | A10 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------|------------|--------------|----------------------|-------------|------------------|--------------|------------|----------|
| N-Nitrosodimethylamine | ND | mg/kg | 1.0 | 0.37 | EPA-8270C | | A10 | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 1.0 | 0.21 | EPA-8270C | | A10 | 1 |
| Phenanthrene | 1.7 | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Pyrene | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 1.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 2.0 | 0.22 | EPA-8270C | | A10 | 1 |
| 2-Chlorophenol | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 1.0 | 0.35 | EPA-8270C | | A10 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 5.0 | 0.12 | EPA-8270C | | A10 | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 5.0 | 0.077 | EPA-8270C | | A10 | 1 |
| 2-Methylphenol | ND | mg/kg | 1.0 | 0.17 | EPA-8270C | | A10 | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 2.0 | 0.33 | EPA-8270C | | A10 | 1 |
| Total Methylphenol | ND | mg/kg | 2.0 | 0.47 | EPA-8270C | | A10 | 1 |
| 2-Nitrophenol | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| 4-Nitrophenol | ND | mg/kg | 2.0 | 0.18 | EPA-8270C | | A10 | 1 |
| Pentachlorophenol | ND | mg/kg | 2.0 | 0.13 | EPA-8270C | 17 | A10 | 1 |
| Phenol | ND | mg/kg | 1.0 | 0.16 | EPA-8270C | | A10 | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 2.0 | 0.18 | EPA-8270C | | A10 | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 2.0 | 0.17 | EPA-8270C | | A10 | 1 |
| PCB-1016 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1221 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1232 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1242 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1248 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1254 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1260 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1262 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| PCB-1268 | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| Total PCB's (Summation) | ND | mg/kg | 20 | 10 | EPA-8270C | 50 | A10 | 1 |
| 2-Fluorophenol (Surrogate) | 65.1 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 59.0 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|---|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 53.3 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 61.7 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 50.8 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 67.0 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 21:20 | VH1 | MS-B2 | 9.866 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | 11 | mg/kg | 2.0 | 0.56 | EPA-8015B | ND | A01 | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 125 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/05/15 | 11/05/15 23:51 | AKM | GC-V8 | 2 | BYK0127 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | 2100 | mg/kg | 200 | 24 | EPA-8015B/FFP | ND | A01 | 1 |
| TPH - Motor Oil | 1500 | mg/kg | 400 | 130 | EPA-8015B/FFP | ND | A01 | 1 |
| Tetracosane (Surrogate) | 0 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | A01,A17 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/10/15 09:53 | MWB | GC-2 | 20.134 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-03 | Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 3.3 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 280 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.35 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 19 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 6.6 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 9.1 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 5.7 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | ND | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | | 2 |
| Molybdenum | ND | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | | 1 |
| Nickel | 21 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.14 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 26 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 30 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:16 | ARD | PE-OP3 | 0.962 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:08 | MEV | CETAC1 | 0.992 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-04 **Client Sample Name:** GIG, Bl-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-04 | | Client Sample Name: GIG, Bl-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|---|----------------------|---------|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 95.5 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 98.6 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 97.3 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8260B | 11/02/15 | 11/03/15 00:08 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-04 Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|-------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 96.0 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 83.1 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 84.0 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 76.7 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 80.4 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 63.2 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 21:45 | VH1 | MS-B2 | 0.987 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 125 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/05/15 | 11/05/15 18:57 | AKM | GC-V8 | 1 | BYK0127 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | 72 | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | 120 | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 63.4 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/12/15 14:13 | MWB | GC-2 | 0.993 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-04 | Client Sample Name: GIG, Bl-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 3.0 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 250 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.30 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 15 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 5.9 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 8.0 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 5.1 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | ND | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | | 2 |
| Molybdenum | 0.070 | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | J | 1 |
| Nickel | 16 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.12 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 25 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 37 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 | 10:00 | ARD | PE-OP3 | 1 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 | 14:15 | MEV | CETAC1 | 0.962 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-05 Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-05 | | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|---|----------------------|---------|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 97.5 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 98.8 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/03/15 00:31 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-05 Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|--------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 86.9 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 78.0 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 77.6 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 78.1 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 73.4 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 71.5 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 22:10 | VH1 | MS-B2 | 0.987 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 108 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/05/15 | 11/05/15 19:18 | AKM | GC-V8 | 1 | BYK0127 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 58.7 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/06/15 00:07 | MWB | GC-2 | 1 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-05 | Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 1.6 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 96 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.14 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 6.3 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 2.7 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 4.5 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 2.8 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | ND | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | | 2 |
| Molybdenum | ND | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | | 1 |
| Nickel | 6.8 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | 1.3 | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | ND | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 15 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 13 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 | 10:17 | ARD | PE-OP3 | 0.971 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 | 13:24 | MEV | CETAC1 | 0.962 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-06 **Client Sample Name:** GIG, Bl-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-06 Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|---------------------------------------|--------|-------|----------------------|---------|-----------|--------------|-----------|-------|
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 103 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 99.6 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 99.4 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/03/15 00:54 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-06 Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|-----------------------------------|--------------|--------------|-------------|--------------|------------------|-------------|-----------|----------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | 0.073 | mg/kg | 0.20 | 0.043 | EPA-8270C | | J | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-06 **Client Sample Name:** GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|--------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 80.6 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 73.7 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 73.7 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 60.2 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 68.8 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 64.9 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 22:35 | VH1 | MS-B2 | 1 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 168 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | A19,S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/06/15 | 11/06/15 12:03 | AKM | GC-V8 | 1 | BYK0127 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|---------------|---------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 28.4 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/12/15 14:36 | MWB | GC-2 | 0.990 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Modified WET Test (STLC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | STLC Limits | Lab Quals | Run # |
|---------------------|--------|-------|------|-------|----------|-------------|-----------|-------|
| Hexavalent Chromium | ND | mg/L | 0.20 | 0.070 | EPA-7196 | 5 | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-7196 | 11/09/15 | 11/09/15 13:34 | TMS | KONE-1 | 1 | BYK1112 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-06 | Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 5.7 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 140 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.36 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 58 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 15 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 29 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 8.0 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | 0.036 | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | J | 2 |
| Molybdenum | ND | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | | 1 |
| Nickel | 140 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | 1.4 | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.22 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 34 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 45 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:19 | ARD | PE-OP3 | 0.935 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:17 | MEV | CETAC1 | 1.008 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-07 Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-07 Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|---------------------------------------|--------|-------|----------------------|---------|-----------|--------------|-----------|-------|
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 101 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 99.2 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 99.8 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-07 | Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/03/15 | 01:16 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-07 Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-07 | Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-07 **Client Sample Name:** GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|-------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 78.9 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 72.0 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-07 | Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 67.6 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 51.5 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 66.3 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 52.5 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 23:00 | VH1 | MS-B2 | 0.964 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-07 | Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 180 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | A19,S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/06/15 | 11/06/15 12:24 | AKM | GC-V8 | 1 | BYK0303 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-07 | Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 73.7 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/06/15 03:09 | MWB | GC-2 | 1 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-07 | Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 4.6 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 130 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.31 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 50 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 15 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 25 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 7.1 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | 0.063 | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | J | 2 |
| Molybdenum | ND | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | | 1 |
| Nickel | 120 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.22 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 32 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 39 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:20 | ARD | PE-OP3 | 0.926 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:19 | MEV | CETAC1 | 0.992 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, Bl-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-08 | | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|---|----------------------|---------|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/03/15 | 01:39 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-08 Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|--------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 89.0 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 80.2 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 82.9 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 68.1 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 74.9 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 66.2 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 23:24 | VH1 | MS-B2 | 0.980 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 168 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | A19,S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/06/15 | 11/06/15 12:46 | AKM | GC-V8 | 1 | BYK0303 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 66.3 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/06/15 03:31 | MWB | GC-2 | 1.010 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-08 | Client Sample Name: GIG, Bl-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 3.0 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 120 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.44 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 19 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 8.6 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 17 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 6.4 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | 0.051 | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | J | 2 |
| Molybdenum | ND | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | | 1 |
| Nickel | 18 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.13 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 28 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 52 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:21 | ARD | PE-OP3 | 0.943 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:21 | MEV | CETAC1 | 0.962 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-09 Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-09 | | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|---|----------------------|---------|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 112 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 102 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 97.4 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-09 | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8260B | 11/02/15 | 11/03/15 02:01 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-09 | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-09 **Client Sample Name:** GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-09 Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|--------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 92.7 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 83.6 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-09 | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 88.0 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 71.6 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 75.9 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 65.1 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/10/15 23:49 | VH1 | MS-B2 | 0.957 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-09 | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 182 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | A19,S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/06/15 | 11/06/15 13:07 | AKM | GC-V8 | 1 | BYK0303 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-09 | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 68.3 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/06/15 03:54 | MWB | GC-2 | 1.017 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-09 | Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 2.7 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 95 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.37 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 15 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 6.5 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 12 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 5.5 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | ND | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | | 2 |
| Molybdenum | 0.090 | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | J | 1 |
| Nickel | 19 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.16 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 26 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 36 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:23 | ARD | PE-OP3 | 0.971 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:23 | MEV | CETAC1 | 1.025 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-10 Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-10 | | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|---|----------------------|---------|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 103 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 100 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 97.9 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/03/15 | 02:24 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-10 Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|-------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 86.0 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 83.6 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 81.8 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 53.1 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 69.0 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 56.6 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/11/15 00:14 | VH1 | MS-B2 | 0.993 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 172 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | A19,S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/06/15 | 11/06/15 13:28 | AKM | GC-V8 | 1 | BYK0303 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 65.8 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/06/15 04:16 | MWB | GC-2 | 1.007 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-10 | Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 2.3 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 58 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.45 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 20 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 8.0 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 16 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 6.4 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | 0.040 | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | J | 2 |
| Molybdenum | 0.084 | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | J | 1 |
| Nickel | 20 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | ND | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.080 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 27 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 46 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:24 | ARD | PE-OP3 | 0.952 | BYK0484 |
| 2 | EPA-7471A | 11/04/15 | 11/04/15 14:25 | MEV | CETAC1 | 0.977 | BYK0397 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|-----------------------------|--------|-------|--------|---------|-----------|-------------|-----------|-------|
| Benzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Bromochloromethane | ND | mg/kg | 0.0050 | 0.00092 | EPA-8260B | | | 1 |
| Bromodichloromethane | ND | mg/kg | 0.0050 | 0.00084 | EPA-8260B | | | 1 |
| Bromoform | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Bromomethane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| n-Butylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| sec-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| tert-Butylbenzene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Carbon tetrachloride | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Chlorobenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Chloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Chloroform | ND | mg/kg | 0.0050 | 0.00063 | EPA-8260B | | | 1 |
| Chloromethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 2-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 4-Chlorotoluene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| Dibromochloromethane | ND | mg/kg | 0.0050 | 0.00099 | EPA-8260B | | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| 1,2-Dibromoethane | ND | mg/kg | 0.0050 | 0.0010 | EPA-8260B | | | 1 |
| Dibromomethane | ND | mg/kg | 0.0050 | 0.0018 | EPA-8260B | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Dichlorodifluoromethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloroethane | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane | ND | mg/kg | 0.0050 | 0.00085 | EPA-8260B | | | 1 |
| 1,1-Dichloroethene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| cis-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| trans-1,2-Dichloroethene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.00081 | EPA-8260B | | | 1 |
| 1,3-Dichloropropane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 2,2-Dichloropropane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,1-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-11 | | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|---|----------------------|---------|-----------|-------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLT Limits | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| trans-1,3-Dichloropropene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| Ethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.0050 | 0.0017 | EPA-8260B | | | 1 |
| Isopropylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| p-Isopropyltoluene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Methylene chloride | ND | mg/kg | 0.010 | 0.0024 | EPA-8260B | | | 1 |
| Methyl t-butyl ether | ND | mg/kg | 0.0050 | 0.00050 | EPA-8260B | | | 1 |
| Naphthalene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| n-Propylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Styrene | ND | mg/kg | 0.0050 | 0.0014 | EPA-8260B | | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| Tetrachloroethene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| Toluene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2,3-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0021 | EPA-8260B | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.0050 | 0.0020 | EPA-8260B | | | 1 |
| 1,1,1-Trichloroethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,1,2-Trichloroethane | ND | mg/kg | 0.0050 | 0.00077 | EPA-8260B | | | 1 |
| Trichloroethene | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | 2040 | | 1 |
| Trichlorofluoromethane | ND | mg/kg | 0.0050 | 0.0011 | EPA-8260B | | | 1 |
| 1,2,3-Trichloropropane | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,2,4-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0013 | EPA-8260B | | | 1 |
| 1,3,5-Trimethylbenzene | ND | mg/kg | 0.0050 | 0.0015 | EPA-8260B | | | 1 |
| Vinyl chloride | ND | mg/kg | 0.0050 | 0.0016 | EPA-8260B | | | 1 |
| Total Xylenes | ND | mg/kg | 0.010 | 0.0034 | EPA-8260B | | | 1 |
| p- & m-Xylenes | ND | mg/kg | 0.0050 | 0.0022 | EPA-8260B | | | 1 |
| o-Xylene | ND | mg/kg | 0.0050 | 0.0012 | EPA-8260B | | | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 99.3 | % | 70 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 95.7 | % | 81 - 117 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 97.9 | % | 74 - 121 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-8260B | 11/02/15 | 11/10/15 | 13:58 | ADC | MS-V2 | 1 | BYK0192 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|------------------------------|--------|-------|------|-------|-----------|-------------|-----------|-------|
| Acenaphthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Acenaphthylene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Aldrin | ND | mg/kg | 0.10 | 0.024 | EPA-8270C | 1.4 | | 1 |
| Aniline | ND | mg/kg | 0.20 | 0.053 | EPA-8270C | | | 1 |
| Anthracene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzidine | ND | mg/kg | 3.0 | 0.22 | EPA-8270C | | | 1 |
| Benzo[a]anthracene | ND | mg/kg | 0.10 | 0.012 | EPA-8270C | | | 1 |
| Benzo[b]fluoranthene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzo[k]fluoranthene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Benzo[a]pyrene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Benzo[g,h,i]perylene | ND | mg/kg | 0.10 | 0.056 | EPA-8270C | | | 1 |
| Benzoic acid | ND | mg/kg | 0.50 | 0.067 | EPA-8270C | | | 1 |
| Benzyl alcohol | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Benzyl butyl phthalate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| alpha-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| beta-BHC | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| delta-BHC | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| gamma-BHC (Lindane) | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 4.0 | | 1 |
| bis(2-Chloroethoxy)methane | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| bis(2-Chloroethyl) ether | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| bis(2-Chloroisopropyl) ether | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | mg/kg | 0.20 | 0.043 | EPA-8270C | | | 1 |
| 4-Bromophenyl phenyl ether | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4-Chloroaniline | ND | mg/kg | 0.10 | 0.027 | EPA-8270C | | | 1 |
| 2-Chloronaphthalene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 4-Chlorophenyl phenyl ether | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |
| Chrysene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 4,4'-DDD | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDE | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | 1.0 | | 1 |
| 4,4'-DDT | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | 1.0 | | 1 |
| Dibenzo[a,h]anthracene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dibenzofuran | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| 1,2-Dichlorobenzene | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|---------------------------|--------|-------|------|--------|-----------|-------------|-----------|-------|
| 1,3-Dichlorobenzene | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| 1,4-Dichlorobenzene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| 3,3-Dichlorobenzidine | ND | mg/kg | 0.20 | 0.0067 | EPA-8270C | | | 1 |
| Dieldrin | ND | mg/kg | 0.10 | 0.031 | EPA-8270C | 8.0 | | 1 |
| Diethyl phthalate | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Dimethyl phthalate | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Di-n-butyl phthalate | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2,4-Dinitrotoluene | ND | mg/kg | 0.10 | 0.022 | EPA-8270C | | | 1 |
| 2,6-Dinitrotoluene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Di-n-octyl phthalate | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2-Diphenylhydrazine | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Endosulfan I | ND | mg/kg | 0.20 | 0.020 | EPA-8270C | | | 1 |
| Endosulfan II | ND | mg/kg | 0.20 | 0.021 | EPA-8270C | | | 1 |
| Endosulfan sulfate | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Endrin | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | 0.2 | | 1 |
| Endrin aldehyde | ND | mg/kg | 0.50 | 0.022 | EPA-8270C | | | 1 |
| Fluoranthene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Fluorene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Heptachlor | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | 4.7 | | 1 |
| Heptachlor epoxide | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorobenzene | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| Hexachlorobutadiene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| Hexachlorocyclopentadiene | ND | mg/kg | 0.10 | 0.019 | EPA-8270C | | | 1 |
| Hexachloroethane | ND | mg/kg | 0.10 | 0.020 | EPA-8270C | | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | mg/kg | 0.10 | 0.072 | EPA-8270C | | | 1 |
| Isophorone | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2-Methylnaphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Naphthalene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 2-Naphthylamine | ND | mg/kg | 3.0 | 0.16 | EPA-8270C | | | 1 |
| 2-Nitroaniline | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 3-Nitroaniline | ND | mg/kg | 0.20 | 0.015 | EPA-8270C | | | 1 |
| 4-Nitroaniline | ND | mg/kg | 0.20 | 0.025 | EPA-8270C | | | 1 |
| Nitrobenzene | ND | mg/kg | 0.10 | 0.015 | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLC Limits | Lab Quals | Run # |
|----------------------------|--------|-------|----------------------|--------|-----------|-------------|-----------|-------|
| N-Nitrosodimethylamine | ND | mg/kg | 0.10 | 0.037 | EPA-8270C | | | 1 |
| N-Nitrosodi-N-propylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| N-Nitrosodiphenylamine | ND | mg/kg | 0.10 | 0.021 | EPA-8270C | | | 1 |
| Phenanthrene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| Pyrene | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 1,2,4-Trichlorobenzene | ND | mg/kg | 0.10 | 0.018 | EPA-8270C | | | 1 |
| 4-Chloro-3-methylphenol | ND | mg/kg | 0.20 | 0.022 | EPA-8270C | | | 1 |
| 2-Chlorophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4-Dichlorophenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 2,4-Dimethylphenol | ND | mg/kg | 0.10 | 0.035 | EPA-8270C | | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | mg/kg | 0.50 | 0.012 | EPA-8270C | | | 1 |
| 2,4-Dinitrophenol | ND | mg/kg | 0.50 | 0.0077 | EPA-8270C | | | 1 |
| 2-Methylphenol | ND | mg/kg | 0.10 | 0.017 | EPA-8270C | | | 1 |
| 3- & 4-Methylphenol | ND | mg/kg | 0.20 | 0.033 | EPA-8270C | | | 1 |
| Total Methylphenol | ND | mg/kg | 0.20 | 0.047 | EPA-8270C | | | 1 |
| 2-Nitrophenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 4-Nitrophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| Pentachlorophenol | ND | mg/kg | 0.20 | 0.013 | EPA-8270C | 17 | | 1 |
| Phenol | ND | mg/kg | 0.10 | 0.016 | EPA-8270C | | | 1 |
| 2,4,5-Trichlorophenol | ND | mg/kg | 0.20 | 0.018 | EPA-8270C | | | 1 |
| 2,4,6-Trichlorophenol | ND | mg/kg | 0.20 | 0.017 | EPA-8270C | | | 1 |
| PCB-1016 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1221 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1232 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1242 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1248 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1254 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1260 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1262 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| PCB-1268 | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| Total PCB's (Summation) | ND | mg/kg | 2.0 | 1.0 | EPA-8270C | 50 | | 1 |
| 2-Fluorophenol (Surrogate) | 64.0 | % | 20 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 62.0 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|--|-------|----------------------|-----|-----------|--------------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 57.9 | % | 30 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 39.3 | % | 30 - 140 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 55.0 | % | 20 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 55.3 | % | 30 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/05/15 | 11/11/15 00:38 | VH1 | MS-B2 | 1.007 | BYK1055 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|------|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | mg/kg | 1.0 | 0.28 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 182 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | A19,S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/06/15 | 11/06/15 13:49 | AKM | GC-V8 | 1 | BYK0303 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | ND | mg/kg | 10 | 1.2 | EPA-8015B/FFP | ND | | 1 |
| TPH - Motor Oil | ND | mg/kg | 20 | 6.5 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 76.1 | % | 20 - 145 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/06/15 04:39 | MWB | GC-2 | 1 | BYK0541 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

| | |
|----------------------------------|--|
| BCL Sample ID: 1527691-11 | Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe |
|----------------------------------|--|

| Constituent | Result | Units | PQL | MDL | Method | TTLIC Limits | Lab Quals | Run # |
|-------------|--------|-------|------|-------|-----------|--------------|-----------|-------|
| Antimony | ND | mg/kg | 5.0 | 0.33 | EPA-6010B | 500 | | 1 |
| Arsenic | 3.4 | mg/kg | 1.0 | 0.40 | EPA-6010B | 500 | | 1 |
| Barium | 59 | mg/kg | 0.50 | 0.18 | EPA-6010B | 10000 | | 1 |
| Beryllium | 0.31 | mg/kg | 0.50 | 0.047 | EPA-6010B | 75 | J | 1 |
| Cadmium | ND | mg/kg | 0.50 | 0.052 | EPA-6010B | 100 | | 1 |
| Chromium | 16 | mg/kg | 0.50 | 0.050 | EPA-6010B | 2500 | | 1 |
| Cobalt | 6.5 | mg/kg | 2.5 | 0.098 | EPA-6010B | 8000 | | 1 |
| Copper | 18 | mg/kg | 1.0 | 0.050 | EPA-6010B | 2500 | | 1 |
| Lead | 4.5 | mg/kg | 2.5 | 0.28 | EPA-6010B | 1000 | | 1 |
| Mercury | ND | mg/kg | 0.16 | 0.036 | EPA-7471A | 20 | | 2 |
| Molybdenum | 0.11 | mg/kg | 2.5 | 0.050 | EPA-6010B | 3500 | J | 1 |
| Nickel | 20 | mg/kg | 0.50 | 0.15 | EPA-6010B | 2000 | | 1 |
| Selenium | 1.4 | mg/kg | 1.0 | 0.98 | EPA-6010B | 100 | | 1 |
| Silver | 0.12 | mg/kg | 0.50 | 0.067 | EPA-6010B | 500 | J | 1 |
| Thallium | ND | mg/kg | 5.0 | 0.64 | EPA-6010B | 700 | | 1 |
| Vanadium | 28 | mg/kg | 0.50 | 0.11 | EPA-6010B | 2400 | | 1 |
| Zinc | 75 | mg/kg | 2.5 | 0.087 | EPA-6010B | 5000 | | 1 |

| Run # | Method | Prep Date | Run | | Instrument | Dilution | QC |
|-------|-----------|-----------|----------------|---------|------------|----------|----------|
| | | | Date/Time | Analyst | | | Batch ID |
| 1 | EPA-6010B | 11/05/15 | 11/06/15 10:26 | ARD | PE-OP3 | 0.980 | BYK0484 |
| 2 | EPA-7471A | 11/09/15 | 11/11/15 09:08 | MEV | CETAC1 | 1.008 | BYK0764 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-12 **Client Sample Name:** GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-----------------------------|--------|-------|------|-------|-----------|---------|-----------|-------|
| Benzene | ND | ug/L | 0.50 | 0.083 | EPA-8260B | ND | Z2 | 1 |
| Bromobenzene | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| Bromochloromethane | ND | ug/L | 0.50 | 0.24 | EPA-8260B | ND | Z2 | 1 |
| Bromodichloromethane | ND | ug/L | 0.50 | 0.14 | EPA-8260B | ND | Z2 | 1 |
| Bromoform | ND | ug/L | 0.50 | 0.27 | EPA-8260B | ND | Z2 | 1 |
| Bromomethane | ND | ug/L | 1.0 | 0.25 | EPA-8260B | ND | Z2 | 1 |
| n-Butylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-8260B | ND | Z2 | 1 |
| sec-Butylbenzene | ND | ug/L | 0.50 | 0.15 | EPA-8260B | ND | Z2 | 1 |
| tert-Butylbenzene | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| Carbon tetrachloride | ND | ug/L | 0.50 | 0.18 | EPA-8260B | ND | Z2 | 1 |
| Chlorobenzene | ND | ug/L | 0.50 | 0.093 | EPA-8260B | ND | Z2 | 1 |
| Chloroethane | ND | ug/L | 0.50 | 0.14 | EPA-8260B | ND | Z2 | 1 |
| Chloroform | ND | ug/L | 0.50 | 0.12 | EPA-8260B | ND | Z2 | 1 |
| Chloromethane | ND | ug/L | 0.50 | 0.14 | EPA-8260B | ND | Z2 | 1 |
| 2-Chlorotoluene | ND | ug/L | 0.50 | 0.20 | EPA-8260B | ND | Z2 | 1 |
| 4-Chlorotoluene | ND | ug/L | 0.50 | 0.15 | EPA-8260B | ND | Z2 | 1 |
| Dibromochloromethane | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.0 | 0.44 | EPA-8260B | ND | Z2 | 1 |
| 1,2-Dibromoethane | ND | ug/L | 0.50 | 0.16 | EPA-8260B | ND | Z2 | 1 |
| Dibromomethane | ND | ug/L | 0.50 | 0.24 | EPA-8260B | ND | Z2 | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 0.50 | 0.072 | EPA-8260B | ND | Z2 | 1 |
| 1,3-Dichlorobenzene | ND | ug/L | 0.50 | 0.15 | EPA-8260B | ND | Z2 | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 0.50 | 0.062 | EPA-8260B | ND | Z2 | 1 |
| Dichlorodifluoromethane | ND | ug/L | 0.50 | 0.099 | EPA-8260B | ND | Z2 | 1 |
| 1,1-Dichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-8260B | ND | Z2 | 1 |
| 1,2-Dichloroethane | ND | ug/L | 0.50 | 0.17 | EPA-8260B | ND | Z2 | 1 |
| 1,1-Dichloroethene | ND | ug/L | 0.50 | 0.18 | EPA-8260B | ND | Z2 | 1 |
| cis-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-8260B | ND | Z2 | 1 |
| trans-1,2-Dichloroethene | ND | ug/L | 0.50 | 0.15 | EPA-8260B | ND | Z2 | 1 |
| 1,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| 1,3-Dichloropropane | ND | ug/L | 0.50 | 0.086 | EPA-8260B | ND | Z2 | 1 |
| 2,2-Dichloropropane | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| 1,1-Dichloropropene | ND | ug/L | 0.50 | 0.085 | EPA-8260B | ND | Z2 | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| BCL Sample ID: 1527691-12 | | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe | | | | | | |
|---------------------------------------|--------|--|----------------------|-------|-----------|---------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| cis-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.14 | EPA-8260B | ND | Z2 | 1 |
| trans-1,3-Dichloropropene | ND | ug/L | 0.50 | 0.079 | EPA-8260B | ND | Z2 | 1 |
| Ethylbenzene | ND | ug/L | 0.50 | 0.098 | EPA-8260B | ND | Z2 | 1 |
| Hexachlorobutadiene | ND | ug/L | 0.50 | 0.17 | EPA-8260B | ND | Z2 | 1 |
| Isopropylbenzene | ND | ug/L | 0.50 | 0.14 | EPA-8260B | ND | Z2 | 1 |
| p-Isopropyltoluene | ND | ug/L | 0.50 | 0.12 | EPA-8260B | ND | Z2 | 1 |
| Methylene chloride | ND | ug/L | 1.0 | 0.48 | EPA-8260B | ND | Z2 | 1 |
| Methyl t-butyl ether | ND | ug/L | 0.50 | 0.11 | EPA-8260B | ND | Z2 | 1 |
| Naphthalene | ND | ug/L | 0.50 | 0.36 | EPA-8260B | ND | Z2 | 1 |
| n-Propylbenzene | ND | ug/L | 0.50 | 0.11 | EPA-8260B | ND | Z2 | 1 |
| Styrene | ND | ug/L | 0.50 | 0.068 | EPA-8260B | ND | Z2 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.18 | EPA-8260B | ND | Z2 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | 0.17 | EPA-8260B | ND | Z2 | 1 |
| Tetrachloroethene | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| Toluene | ND | ug/L | 0.50 | 0.093 | EPA-8260B | ND | Z2 | 1 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 0.16 | EPA-8260B | ND | Z2 | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 0.19 | EPA-8260B | ND | Z2 | 1 |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 0.11 | EPA-8260B | ND | Z2 | 1 |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | 0.16 | EPA-8260B | ND | Z2 | 1 |
| Trichloroethene | ND | ug/L | 0.50 | 0.085 | EPA-8260B | ND | Z2 | 1 |
| Trichlorofluoromethane | ND | ug/L | 0.50 | 0.13 | EPA-8260B | ND | Z2 | 1 |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 0.24 | EPA-8260B | ND | Z2 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | ug/L | 0.50 | 0.15 | EPA-8260B | ND | Z2 | 1 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-8260B | ND | Z2 | 1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.50 | 0.12 | EPA-8260B | ND | Z2 | 1 |
| Vinyl chloride | ND | ug/L | 0.50 | 0.12 | EPA-8260B | ND | Z2 | 1 |
| Total Xylenes | ND | ug/L | 1.0 | 0.36 | EPA-8260B | ND | Z2 | 1 |
| p- & m-Xylenes | ND | ug/L | 0.50 | 0.28 | EPA-8260B | ND | Z2 | 1 |
| o-Xylene | ND | ug/L | 0.50 | 0.082 | EPA-8260B | ND | Z2 | 1 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 75 - 125 (LCL - UCL) | | EPA-8260B | | | 1 |
| Toluene-d8 (Surrogate) | 103 | % | 80 - 120 (LCL - UCL) | | EPA-8260B | | | 1 |
| 4-Bromofluorobenzene (Surrogate) | 104 | % | 80 - 120 (LCL - UCL) | | EPA-8260B | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Run # | Method | Prep Date | Run | | Analyst | Instrument | Dilution | QC |
|-------|-----------|-----------|-----------|-------|---------|------------|----------|----------|
| | | | Date/Time | | | | | Batch ID |
| 1 | EPA-8260B | 11/03/15 | 11/04/15 | 07:32 | MGC | MS-V5 | 1 | BYK0209 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|------------------------------|--------|-------|-----|------|-----------|---------|-----------|-------|
| Acenaphthene | ND | ug/L | 2.3 | 0.28 | EPA-8270C | ND | | 1 |
| Acenaphthylene | ND | ug/L | 2.3 | 0.32 | EPA-8270C | ND | | 1 |
| Aldrin | ND | ug/L | 2.3 | 0.40 | EPA-8270C | ND | | 1 |
| Aniline | ND | ug/L | 5.8 | 0.80 | EPA-8270C | ND | | 1 |
| Anthracene | ND | ug/L | 2.3 | 0.35 | EPA-8270C | ND | | 1 |
| Benzidine | ND | ug/L | 23 | 8.2 | EPA-8270C | ND | | 1 |
| Benzo[a]anthracene | ND | ug/L | 2.3 | 0.44 | EPA-8270C | ND | | 1 |
| Benzo[b]fluoranthene | ND | ug/L | 2.3 | 0.47 | EPA-8270C | ND | | 1 |
| Benzo[k]fluoranthene | ND | ug/L | 2.3 | 0.36 | EPA-8270C | ND | | 1 |
| Benzo[a]pyrene | ND | ug/L | 2.3 | 0.23 | EPA-8270C | ND | | 1 |
| Benzo[g,h,i]perylene | ND | ug/L | 2.3 | 0.25 | EPA-8270C | ND | | 1 |
| Benzoic acid | ND | ug/L | 12 | 6.7 | EPA-8270C | ND | | 1 |
| Benzyl alcohol | ND | ug/L | 2.3 | 0.39 | EPA-8270C | ND | | 1 |
| Benzyl butyl phthalate | ND | ug/L | 2.3 | 0.54 | EPA-8270C | ND | | 1 |
| alpha-BHC | ND | ug/L | 2.3 | 0.31 | EPA-8270C | ND | | 1 |
| beta-BHC | ND | ug/L | 2.3 | 0.31 | EPA-8270C | ND | | 1 |
| delta-BHC | ND | ug/L | 2.3 | 0.35 | EPA-8270C | ND | | 1 |
| gamma-BHC (Lindane) | ND | ug/L | 2.3 | 0.25 | EPA-8270C | ND | | 1 |
| bis(2-Chloroethoxy)methane | ND | ug/L | 2.3 | 0.31 | EPA-8270C | ND | | 1 |
| bis(2-Chloroethyl) ether | ND | ug/L | 2.3 | 0.78 | EPA-8270C | ND | | 1 |
| bis(2-Chloroisopropyl) ether | ND | ug/L | 2.3 | 0.35 | EPA-8270C | ND | | 1 |
| bis(2-Ethylhexyl)phthalate | ND | ug/L | 4.6 | 3.5 | EPA-8270C | ND | | 1 |
| 4-Bromophenyl phenyl ether | ND | ug/L | 2.3 | 0.27 | EPA-8270C | ND | | 1 |
| 4-Chloroaniline | ND | ug/L | 2.3 | 0.80 | EPA-8270C | ND | | 1 |
| 2-Chloronaphthalene | ND | ug/L | 2.3 | 0.39 | EPA-8270C | ND | | 1 |
| 4-Chlorophenyl phenyl ether | ND | ug/L | 2.3 | 0.27 | EPA-8270C | ND | | 1 |
| Chrysene | ND | ug/L | 2.3 | 0.73 | EPA-8270C | ND | | 1 |
| 4,4'-DDD | ND | ug/L | 2.3 | 0.55 | EPA-8270C | ND | | 1 |
| 4,4'-DDE | ND | ug/L | 3.5 | 0.47 | EPA-8270C | ND | | 1 |
| 4,4'-DDT | ND | ug/L | 2.3 | 0.50 | EPA-8270C | ND | | 1 |
| Dibenzo[a,h]anthracene | ND | ug/L | 3.5 | 0.30 | EPA-8270C | ND | | 1 |
| Dibenzofuran | ND | ug/L | 2.3 | 0.24 | EPA-8270C | ND | | 1 |
| 1,2-Dichlorobenzene | ND | ug/L | 2.3 | 0.43 | EPA-8270C | ND | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|----------------------------|-------------|-------------|------------|-------------|------------------|---------|-----------|-------|
| 1,3-Dichlorobenzene | ND | ug/L | 2.3 | 0.40 | EPA-8270C | ND | | 1 |
| 1,4-Dichlorobenzene | ND | ug/L | 2.3 | 0.36 | EPA-8270C | ND | | 1 |
| 3,3-Dichlorobenzidine | ND | ug/L | 12 | 9.5 | EPA-8270C | ND | | 1 |
| Dieldrin | ND | ug/L | 3.5 | 0.47 | EPA-8270C | ND | | 1 |
| Diethyl phthalate | 0.40 | ug/L | 2.3 | 0.38 | EPA-8270C | ND | J | 1 |
| Dimethyl phthalate | ND | ug/L | 2.3 | 0.45 | EPA-8270C | ND | | 1 |
| Di-n-butyl phthalate | ND | ug/L | 2.3 | 0.45 | EPA-8270C | ND | | 1 |
| 2,4-Dinitrotoluene | ND | ug/L | 2.3 | 0.30 | EPA-8270C | ND | | 1 |
| 2,6-Dinitrotoluene | ND | ug/L | 2.3 | 0.47 | EPA-8270C | ND | | 1 |
| Di-n-octyl phthalate | ND | ug/L | 2.3 | 0.53 | EPA-8270C | ND | | 1 |
| 1,2-Diphenylhydrazine | ND | ug/L | 2.3 | 0.39 | EPA-8270C | ND | | 1 |
| Endosulfan I | ND | ug/L | 12 | 2.0 | EPA-8270C | ND | | 1 |
| Endosulfan II | ND | ug/L | 12 | 1.4 | EPA-8270C | ND | | 1 |
| Endosulfan sulfate | ND | ug/L | 3.5 | 0.67 | EPA-8270C | ND | | 1 |
| Endrin | ND | ug/L | 2.3 | 1.3 | EPA-8270C | ND | | 1 |
| Endrin aldehyde | ND | ug/L | 12 | 0.60 | EPA-8270C | ND | | 1 |
| Fluoranthene | ND | ug/L | 2.3 | 0.23 | EPA-8270C | ND | | 1 |
| Fluorene | ND | ug/L | 2.3 | 0.32 | EPA-8270C | ND | | 1 |
| Heptachlor | ND | ug/L | 2.3 | 0.37 | EPA-8270C | ND | | 1 |
| Heptachlor epoxide | ND | ug/L | 2.3 | 0.31 | EPA-8270C | ND | | 1 |
| Hexachlorobenzene | ND | ug/L | 2.3 | 0.23 | EPA-8270C | ND | | 1 |
| Hexachlorobutadiene | ND | ug/L | 2.3 | 0.28 | EPA-8270C | ND | | 1 |
| Hexachlorocyclopentadiene | ND | ug/L | 2.3 | 0.35 | EPA-8270C | ND | | 1 |
| Hexachloroethane | ND | ug/L | 2.3 | 0.37 | EPA-8270C | ND | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2.3 | 0.30 | EPA-8270C | ND | | 1 |
| Isophorone | ND | ug/L | 2.3 | 0.36 | EPA-8270C | ND | | 1 |
| 2-Methylnaphthalene | 1.3 | ug/L | 2.3 | 0.32 | EPA-8270C | ND | J | 1 |
| Naphthalene | ND | ug/L | 2.3 | 0.24 | EPA-8270C | ND | | 1 |
| 2-Naphthylamine | ND | ug/L | 23 | 5.5 | EPA-8270C | ND | | 1 |
| 2-Nitroaniline | ND | ug/L | 2.3 | 0.38 | EPA-8270C | ND | | 1 |
| 3-Nitroaniline | ND | ug/L | 2.3 | 0.76 | EPA-8270C | ND | | 1 |
| 4-Nitroaniline | ND | ug/L | 5.8 | 1.0 | EPA-8270C | ND | | 1 |
| Nitrobenzene | ND | ug/L | 2.3 | 0.30 | EPA-8270C | ND | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|----------------------------|-------------|-------------|----------------------|-------------|------------------|---------|-----------|-------|
| N-Nitrosodimethylamine | ND | ug/L | 2.3 | 0.70 | EPA-8270C | ND | | 1 |
| N-Nitrosodi-N-propylamine | ND | ug/L | 2.3 | 1.5 | EPA-8270C | ND | | 1 |
| N-Nitrosodiphenylamine | ND | ug/L | 2.3 | 0.51 | EPA-8270C | ND | | 1 |
| Phenanthrene | 0.97 | ug/L | 2.3 | 0.23 | EPA-8270C | ND | J | 1 |
| Pyrene | ND | ug/L | 2.3 | 0.30 | EPA-8270C | ND | | 1 |
| 1,2,4-Trichlorobenzene | ND | ug/L | 2.3 | 0.31 | EPA-8270C | ND | | 1 |
| 4-Chloro-3-methylphenol | ND | ug/L | 5.8 | 0.46 | EPA-8270C | ND | | 1 |
| 2-Chlorophenol | ND | ug/L | 2.3 | 0.43 | EPA-8270C | ND | | 1 |
| 2,4-Dichlorophenol | ND | ug/L | 2.3 | 0.50 | EPA-8270C | ND | | 1 |
| 2,4-Dimethylphenol | ND | ug/L | 2.3 | 0.23 | EPA-8270C | ND | | 1 |
| 4,6-Dinitro-2-methylphenol | ND | ug/L | 12 | 0.39 | EPA-8270C | ND | | 1 |
| 2,4-Dinitrophenol | ND | ug/L | 12 | 0.23 | EPA-8270C | ND | | 1 |
| 2-Methylphenol | ND | ug/L | 2.3 | 1.2 | EPA-8270C | ND | | 1 |
| 3- & 4-Methylphenol | ND | ug/L | 2.3 | 1.8 | EPA-8270C | ND | | 1 |
| Total Methylphenol | ND | ug/L | 4.6 | 3.0 | EPA-8270C | ND | | 1 |
| 2-Nitrophenol | ND | ug/L | 2.3 | 0.32 | EPA-8270C | ND | | 1 |
| 4-Nitrophenol | ND | ug/L | 2.3 | 0.84 | EPA-8270C | ND | | 1 |
| Pentachlorophenol | ND | ug/L | 12 | 0.91 | EPA-8270C | ND | | 1 |
| Phenol | ND | ug/L | 2.3 | 0.23 | EPA-8270C | ND | | 1 |
| 2,4,5-Trichlorophenol | ND | ug/L | 5.8 | 0.36 | EPA-8270C | ND | | 1 |
| 2,4,6-Trichlorophenol | ND | ug/L | 5.8 | 0.69 | EPA-8270C | ND | | 1 |
| PCB-1016 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1221 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1232 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1242 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1248 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1254 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1260 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1262 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| PCB-1268 | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| Total PCB's (Summation) | ND | ug/L | 58 | 29 | EPA-8270C | ND | | 1 |
| 2-Fluorophenol (Surrogate) | 53.5 | % | 30 - 120 (LCL - UCL) | | EPA-8270C | | | 1 |
| Phenol-d5 (Surrogate) | 44.6 | % | 12 - 110 (LCL - UCL) | | EPA-8270C | | | 1 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe | | | | | | | |
|----------------------------------|---|-------|----------------------|-----|-----------|---------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| Nitrobenzene-d5 (Surrogate) | 94.0 | % | 50 - 130 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2-Fluorobiphenyl (Surrogate) | 85.1 | % | 55 - 125 (LCL - UCL) | | EPA-8270C | | | 1 |
| 2,4,6-Tribromophenol (Surrogate) | 90.0 | % | 40 - 150 (LCL - UCL) | | EPA-8270C | | | 1 |
| p-Terphenyl-d14 (Surrogate) | 29.5 | % | 40 - 150 (LCL - UCL) | | EPA-8270C | | S09 | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8270C | 11/02/15 | 11/03/15 17:03 | VH1 | MS-B1 | 1.153 | BYK0350 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|--|--------|-------|----------------------|-----|-----------|---------|-----------|-------|
| Gasoline Range Organics (C4 - C12) | ND | ug/L | 50 | 8.8 | EPA-8015B | ND | | 1 |
| a,a,a-Trifluorotoluene (FID Surrogate) | 101 | % | 70 - 130 (LCL - UCL) | | EPA-8015B | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B | 11/04/15 | 11/04/15 11:42 | AKM | GC-V9 | 1 | BYK0246 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
|-------------------------|--------|-------|----------------------|-----|---------------|---------|-----------|-------|
| TPH - Diesel (FFP) | 210 | ug/L | 230 | 39 | EPA-8015B/FFP | ND | J | 1 |
| TPH - Motor Oil | ND | ug/L | 570 | 76 | EPA-8015B/FFP | ND | | 1 |
| Tetracosane (Surrogate) | 79.4 | % | 37 - 134 (LCL - UCL) | | EPA-8015B/FFP | | | 1 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|---------------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-8015B/FFP | 11/04/15 | 11/05/15 21:05 | MWB | GC-2 | 1.149 | BYK0502 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Water Analysis (General Chemistry)

| BCL Sample ID: 1527691-12 | | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe | | | | | | |
|--------------------------------|--------|--|-------|-------|-----------|---------|-----------|-------|
| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | Run # |
| Dissolved Calcium | 130 | mg/L | 0.10 | 0.016 | EPA-200.7 | ND | | 1 |
| Total Recoverable Calcium | 4700 | mg/L | 0.50 | 0.070 | EPA-200.7 | 0.084 | A07 | 2 |
| Dissolved Magnesium | 55 | mg/L | 0.050 | 0.019 | EPA-200.7 | ND | | 1 |
| Total Recoverable Magnesium | 480 | mg/L | 0.25 | 0.095 | EPA-200.7 | ND | A07 | 2 |
| Dissolved Sodium | 310 | mg/L | 0.50 | 0.051 | EPA-200.7 | 0.055 | | 1 |
| Total Recoverable Sodium | 360 | mg/L | 2.5 | 0.26 | EPA-200.7 | 0.47 | A07 | 2 |
| Dissolved Potassium | 3.3 | mg/L | 1.0 | 0.10 | EPA-200.7 | ND | | 1 |
| Total Recoverable Potassium | 120 | mg/L | 5.0 | 0.50 | EPA-200.7 | ND | A07 | 2 |
| Bicarbonate | 370 | mg/L | 10 | 10 | SM-2320B | ND | | 3 |
| Carbonate | ND | mg/L | 5.0 | 5.0 | SM-2320B | ND | | 3 |
| Chloride | 370 | mg/L | 1.0 | 0.12 | EPA-300.0 | ND | A07 | 4 |
| Nitrate as N | 7.5 | mg/L | 0.20 | 0.036 | EPA-300.0 | ND | A07,S05 | 4 |
| Sulfate | 400 | mg/L | 2.0 | 0.20 | EPA-300.0 | ND | A07 | 4 |
| pH | 7.71 | pH Units | 0.05 | 0.05 | EPA-150.1 | | S05 | 5 |
| Electrical Conductivity @ 25 C | 2460 | umhos/cm | 1.00 | 1.00 | EPA-120.1 | | | 6 |
| Total Dissolved Solids @ 180 C | 1500 | mg/L | 100 | 100 | EPA-160.1 | ND | | 7 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|----------------|---------|------------|----------|-------------|
| 1 | EPA-200.7 | 11/04/15 | 11/06/15 16:04 | JRG | PE-OP2 | 1 | BYK0688 |
| 2 | EPA-200.7 | 11/05/15 | 11/06/15 21:11 | JRG | PE-OP2 | 5 | BYK0507 |
| 3 | SM-2320B | 11/05/15 | 11/05/15 10:36 | RML | MET-1 | 2 | BYK0331 |
| 4 | EPA-300.0 | 11/02/15 | 11/02/15 20:48 | EMW | IC5 | 2 | BYK0163 |
| 5 | EPA-150.1 | 11/05/15 | 11/05/15 10:36 | RML | MET-1 | 1 | BYK0331 |
| 6 | EPA-120.1 | 11/05/15 | 11/05/15 10:36 | RML | MET-1 | 1 | BYK0331 |
| 7 | EPA-160.1 | 11/04/15 | 11/04/15 13:00 | CAD | MANUAL | 10 | BYK0410 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Metals Analysis

| | |
|----------------------------------|---|
| BCL Sample ID: 1527691-12 | Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe |
|----------------------------------|---|

| Constituent | Result | Units | PQL | MDL | Method | TTL Limits | Lab Quals | Run # |
|-------------------------|--------|-------|------|-------|-----------|---------------|--------------|-------|
| Dissolved Boron | 7.4 | mg/L | 0.10 | 0.010 | EPA-200.7 | | | 1 |
| Total Antimony | ND | ug/L | 2500 | 210 | EPA-6010B | 500000 | A07 | 2 |
| Total Arsenic | 370 | ug/L | 1200 | 200 | EPA-6010B | 500000 | J,A07 | 2 |
| Total Barium | 12000 | ug/L | 250 | 88 | EPA-6010B | 10000000 | A07 | 2 |
| Total Beryllium | 47 | ug/L | 250 | 12 | EPA-6010B | 75000 | J,A07 | 2 |
| Total Cadmium | ND | ug/L | 250 | 28 | EPA-6010B | 100000 | A07 | 2 |
| Total Chromium | 3100 | ug/L | 250 | 28 | EPA-6010B | 2500000 | A07 | 2 |
| Total Cobalt | 640 | ug/L | 1200 | 32 | EPA-6010B | 8000000 | J,A07 | 2 |
| Total Copper | 1300 | ug/L | 250 | 28 | EPA-6010B | 2500000 | A07 | 2 |
| Total Lead | 500 | ug/L | 1200 | 100 | EPA-6010B | 1000000 | J,A07 | 2 |
| Total Mercury | 1.2 | ug/L | 4.0 | 0.66 | EPA-7470A | 20000 | J,A07 | 3 |
| Total Molybdenum | ND | ug/L | 1200 | 30 | EPA-6010B | 3500000 | A07 | 2 |
| Total Nickel | 1900 | ug/L | 250 | 50 | EPA-6010B | 2000000 | A07 | 2 |
| Total Selenium | ND | ug/L | 2500 | 380 | EPA-6010B | 100000 | A07 | 2 |
| Total Silver | ND | ug/L | 250 | 48 | EPA-6010B | 500000 | A07 | 2 |
| Total Thallium | ND | ug/L | 2500 | 600 | EPA-6010B | 700000 | A07 | 2 |
| Total Vanadium | 2900 | ug/L | 250 | 55 | EPA-6010B | 2400000 | A07 | 2 |
| Total Zinc | 2900 | ug/L | 1200 | 58 | EPA-6010B | 5000000 | A07 | 2 |
| Total Recoverable Boron | 7900 | ug/L | 500 | 50 | EPA-200.7 | | A07 | 4 |

| Run # | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID |
|-------|-----------|-----------|------------------|---------|------------|----------|----------------|
| 1 | EPA-200.7 | 11/04/15 | 11/06/15 16:04 | JRG | PE-OP2 | 1 | BYK0688 |
| 2 | EPA-6010B | 11/03/15 | 11/04/15 12:58 | ARD | PE-OP3 | 25 | BYK0260 |
| 3 | EPA-7470A | 11/04/15 | 11/05/15 13:48 | MEV | CETAC1 | 20 | BYK0347 |
| 4 | EPA-200.7 | 11/05/15 | 11/06/15 21:11 | JRG | PE-OP2 | 5 | BYK0507 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T1000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|--------|---------|-----------|
| QC Batch ID: BYK0192 | | | | | | |
| Benzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Bromobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Bromochloromethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00092 | |
| Bromodichloromethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00084 | |
| Bromoform | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Bromomethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0016 | |
| n-Butylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| sec-Butylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| tert-Butylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| Carbon tetrachloride | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| Chlorobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Chloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| Chloroform | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00063 | |
| Chloromethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 2-Chlorotoluene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0018 | |
| 4-Chlorotoluene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| Dibromochloromethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00099 | |
| 1,2-Dibromo-3-chloropropane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0017 | |
| 1,2-Dibromoethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0010 | |
| Dibromomethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0018 | |
| 1,2-Dichlorobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00081 | |
| 1,3-Dichlorobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,4-Dichlorobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Dichlorodifluoromethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,1-Dichloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,2-Dichloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00085 | |
| 1,1-Dichloroethene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| cis-1,2-Dichloroethene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| trans-1,2-Dichloroethene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,2-Dichloropropane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00081 | |
| 1,3-Dichloropropane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 2,2-Dichloropropane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,1-Dichloropropene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| cis-1,3-Dichloropropene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-------------|--------------|-----------|-------|-----|-----|-----------|
|-------------|--------------|-----------|-------|-----|-----|-----------|

QC Batch ID: BYK0192

| | | | | | | |
|--|---------------------|-------------|----------|-----------------------------|---------|--|
| trans-1,3-Dichloropropene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| Ethylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Hexachlorobutadiene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0017 | |
| Isopropylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| p-Isopropyltoluene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Methylene chloride | BYK0192-BLK1 | ND | mg/kg | 0.010 | 0.0024 | |
| Methyl t-butyl ether | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00050 | |
| Naphthalene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| n-Propylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Styrene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,1,1,2-Tetrachloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 1,1,1,2-Tetrachloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| Tetrachloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Toluene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| 1,2,3-Trichlorobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0021 | |
| 1,2,4-Trichlorobenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0020 | |
| 1,1,1-Trichloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 1,1,2-Trichloroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.00077 | |
| Trichloroethene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| Trichlorofluoromethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 1,2,3-Trichloropropane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0016 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,2,4-Trimethylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,3,5-Trimethylbenzene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Vinyl chloride | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0016 | |
| Total Xylenes | BYK0192-BLK1 | ND | mg/kg | 0.010 | 0.0034 | |
| p- & m-Xylenes | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0022 | |
| o-Xylene | BYK0192-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| 1,2-Dichloroethane-d4 (Surrogate) | BYK0192-BLK1 | 98.9 | % | 70 - 121 (LCL - UCL) | | |
| Toluene-d8 (Surrogate) | BYK0192-BLK1 | 101 | % | 81 - 117 (LCL - UCL) | | |
| 4-Bromofluorobenzene (Surrogate) | BYK0192-BLK1 | 99.4 | % | 74 - 121 (LCL - UCL) | | |

QC Batch ID: BYK0209

| | | | | | | |
|---------|--------------|----|------|------|-------|--|
| Benzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.083 | |
|---------|--------------|----|------|------|-------|--|

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|------|-------|-----------|
| QC Batch ID: BYK0209 | | | | | | |
| Bromobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Bromochloromethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| Bromodichloromethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Bromoform | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.27 | |
| Bromomethane | BYK0209-BLK1 | ND | ug/L | 1.0 | 0.25 | |
| n-Butylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| sec-Butylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| tert-Butylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Carbon tetrachloride | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| Chlorobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| Chloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| Chloroform | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Chloromethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| 2-Chlorotoluene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.20 | |
| 4-Chlorotoluene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| Dibromochloromethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2-Dibromo-3-chloropropane | BYK0209-BLK1 | ND | ug/L | 1.0 | 0.44 | |
| 1,2-Dibromoethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Dibromomethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.24 | |
| 1,2-Dichlorobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.072 | |
| 1,3-Dichlorobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,4-Dichlorobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.062 | |
| Dichlorodifluoromethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.099 | |
| 1,1-Dichloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,2-Dichloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| 1,1-Dichloroethene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| cis-1,2-Dichloroethene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| trans-1,2-Dichloroethene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2-Dichloropropane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,3-Dichloropropane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.086 | |
| 2,2-Dichloropropane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,1-Dichloropropene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| cis-1,3-Dichloropropene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| trans-1,3-Dichloropropene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.079 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|--|---------------------|-------------|----------|-----------------------------|-------|-----------|
| QC Batch ID: BYK0209 | | | | | | |
| Ethylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.098 | |
| Hexachlorobutadiene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Isopropylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.14 | |
| p-Isopropyltoluene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Methylene chloride | BYK0209-BLK1 | ND | ug/L | 1.0 | 0.48 | |
| Methyl t-butyl ether | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Naphthalene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.36 | |
| n-Propylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| Styrene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.068 | |
| 1,1,1,2-Tetrachloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.18 | |
| 1,1,2,2-Tetrachloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.17 | |
| Tetrachloroethene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| Toluene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.093 | |
| 1,2,3-Trichlorobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| 1,2,4-Trichlorobenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.19 | |
| 1,1,1-Trichloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.11 | |
| 1,1,2-Trichloroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.16 | |
| Trichloroethene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.085 | |
| Trichlorofluoromethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.13 | |
| 1,2,3-Trichloropropane | BYK0209-BLK1 | ND | ug/L | 1.0 | 0.24 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.15 | |
| 1,2,4-Trimethylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| 1,3,5-Trimethylbenzene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Vinyl chloride | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.12 | |
| Total Xylenes | BYK0209-BLK1 | ND | ug/L | 1.0 | 0.36 | |
| p- & m-Xylenes | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.28 | |
| o-Xylene | BYK0209-BLK1 | ND | ug/L | 0.50 | 0.082 | |
| 1,2-Dichloroethane-d4 (Surrogate) | BYK0209-BLK1 | 103 | % | 75 - 125 (LCL - UCL) | | |
| Toluene-d8 (Surrogate) | BYK0209-BLK1 | 102 | % | 80 - 120 (LCL - UCL) | | |
| 4-Bromofluorobenzene (Surrogate) | BYK0209-BLK1 | 97.3 | % | 80 - 120 (LCL - UCL) | | |

| | | | | | | |
|-----------------------------|--------------|----|-------|--------|--------|--|
| QC Batch ID: BYK0271 | | | | | | |
| Benzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Bromobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|--------|---------|-----------|
| QC Batch ID: BYK0271 | | | | | | |
| Bromochloromethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00092 | |
| Bromodichloromethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00084 | |
| Bromoform | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Bromomethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0016 | |
| n-Butylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| sec-Butylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| tert-Butylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| Carbon tetrachloride | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| Chlorobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Chloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| Chloroform | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00063 | |
| Chloromethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 2-Chlorotoluene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0018 | |
| 4-Chlorotoluene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| Dibromochloromethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00099 | |
| 1,2-Dibromo-3-chloropropane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0017 | |
| 1,2-Dibromoethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0010 | |
| Dibromomethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0018 | |
| 1,2-Dichlorobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00081 | |
| 1,3-Dichlorobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,4-Dichlorobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Dichlorodifluoromethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,1-Dichloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,2-Dichloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00085 | |
| 1,1-Dichloroethene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| cis-1,2-Dichloroethene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| trans-1,2-Dichloroethene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,2-Dichloropropane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00081 | |
| 1,3-Dichloropropane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 2,2-Dichloropropane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,1-Dichloropropene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| cis-1,3-Dichloropropene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| trans-1,3-Dichloropropene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| Ethylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|--|---------------------|-------------|----------|-----------------------------|---------|-----------|
| QC Batch ID: BYK0271 | | | | | | |
| Hexachlorobutadiene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0017 | |
| Isopropylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| p-Isopropyltoluene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Methylene chloride | BYK0271-BLK1 | ND | mg/kg | 0.010 | 0.0024 | |
| Methyl t-butyl ether | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00050 | |
| Naphthalene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| n-Propylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Styrene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0014 | |
| 1,1,1,2-Tetrachloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 1,1,1,2,2-Tetrachloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| Tetrachloroethene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| Toluene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| 1,2,3-Trichlorobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0021 | |
| 1,2,4-Trichlorobenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0020 | |
| 1,1,1-Trichloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 1,1,2-Trichloroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.00077 | |
| Trichloroethene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| Trichlorofluoromethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0011 | |
| 1,2,3-Trichloropropane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0016 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,2,4-Trimethylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0013 | |
| 1,3,5-Trimethylbenzene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0015 | |
| Vinyl chloride | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0016 | |
| Total Xylenes | BYK0271-BLK1 | ND | mg/kg | 0.010 | 0.0034 | |
| p- & m-Xylenes | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0022 | |
| o-Xylene | BYK0271-BLK1 | ND | mg/kg | 0.0050 | 0.0012 | |
| 1,2-Dichloroethane-d4 (Surrogate) | BYK0271-BLK1 | 94.3 | % | 70 - 121 (LCL - UCL) | | |
| Toluene-d8 (Surrogate) | BYK0271-BLK1 | 99.6 | % | 81 - 117 (LCL - UCL) | | |
| 4-Bromofluorobenzene (Surrogate) | BYK0271-BLK1 | 98.7 | % | 74 - 121 (LCL - UCL) | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab Quals |
|-----------------------------------|--------------|------|----------|-------------|-------|------------------|-----|------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0192 | | | | | | | | | | |
| Benzene | BYK0192-BS1 | LCS | 0.13277 | 0.12500 | mg/kg | 106 | | 70 - 130 | | |
| Bromodichloromethane | BYK0192-BS1 | LCS | 0.13070 | 0.12500 | mg/kg | 105 | | 70 - 130 | | |
| Chlorobenzene | BYK0192-BS1 | LCS | 0.13025 | 0.12500 | mg/kg | 104 | | 70 - 130 | | |
| Chloroethane | BYK0192-BS1 | LCS | 0.13700 | 0.12500 | mg/kg | 110 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BYK0192-BS1 | LCS | 0.13402 | 0.12500 | mg/kg | 107 | | 70 - 130 | | |
| 1,1-Dichloroethane | BYK0192-BS1 | LCS | 0.13366 | 0.12500 | mg/kg | 107 | | 70 - 130 | | |
| 1,1-Dichloroethene | BYK0192-BS1 | LCS | 0.13699 | 0.12500 | mg/kg | 110 | | 70 - 130 | | |
| Toluene | BYK0192-BS1 | LCS | 0.13113 | 0.12500 | mg/kg | 105 | | 70 - 130 | | |
| Trichloroethene | BYK0192-BS1 | LCS | 0.13365 | 0.12500 | mg/kg | 107 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BYK0192-BS1 | LCS | 0.051240 | 0.050000 | mg/kg | 102 | | 70 - 121 | | |
| Toluene-d8 (Surrogate) | BYK0192-BS1 | LCS | 0.050520 | 0.050000 | mg/kg | 101 | | 81 - 117 | | |
| 4-Bromofluorobenzene (Surrogate) | BYK0192-BS1 | LCS | 0.050660 | 0.050000 | mg/kg | 101 | | 74 - 121 | | |
| QC Batch ID: BYK0209 | | | | | | | | | | |
| Benzene | BYK0209-BS1 | LCS | 27.050 | 25.000 | ug/L | 108 | | 70 - 130 | | |
| Bromodichloromethane | BYK0209-BS1 | LCS | 27.660 | 25.000 | ug/L | 111 | | 70 - 130 | | |
| Chlorobenzene | BYK0209-BS1 | LCS | 27.510 | 25.000 | ug/L | 110 | | 70 - 130 | | |
| Chloroethane | BYK0209-BS1 | LCS | 29.020 | 25.000 | ug/L | 116 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BYK0209-BS1 | LCS | 26.320 | 25.000 | ug/L | 105 | | 70 - 130 | | |
| 1,1-Dichloroethane | BYK0209-BS1 | LCS | 26.880 | 25.000 | ug/L | 108 | | 70 - 130 | | |
| 1,1-Dichloroethene | BYK0209-BS1 | LCS | 27.300 | 25.000 | ug/L | 109 | | 70 - 130 | | |
| Toluene | BYK0209-BS1 | LCS | 27.550 | 25.000 | ug/L | 110 | | 70 - 130 | | |
| Trichloroethene | BYK0209-BS1 | LCS | 26.250 | 25.000 | ug/L | 105 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BYK0209-BS1 | LCS | 9.6900 | 10.000 | ug/L | 96.9 | | 75 - 125 | | |
| Toluene-d8 (Surrogate) | BYK0209-BS1 | LCS | 10.150 | 10.000 | ug/L | 102 | | 80 - 120 | | |
| 4-Bromofluorobenzene (Surrogate) | BYK0209-BS1 | LCS | 9.9500 | 10.000 | ug/L | 99.5 | | 80 - 120 | | |
| QC Batch ID: BYK0271 | | | | | | | | | | |
| Benzene | BYK0271-BS1 | LCS | 0.12990 | 0.12500 | mg/kg | 104 | | 70 - 130 | | |
| Bromodichloromethane | BYK0271-BS1 | LCS | 0.12511 | 0.12500 | mg/kg | 100 | | 70 - 130 | | |
| Chlorobenzene | BYK0271-BS1 | LCS | 0.12535 | 0.12500 | mg/kg | 100 | | 70 - 130 | | |
| Chloroethane | BYK0271-BS1 | LCS | 0.12427 | 0.12500 | mg/kg | 99.4 | | 70 - 130 | | |
| 1,4-Dichlorobenzene | BYK0271-BS1 | LCS | 0.12963 | 0.12500 | mg/kg | 104 | | 70 - 130 | | |
| 1,1-Dichloroethane | BYK0271-BS1 | LCS | 0.12762 | 0.12500 | mg/kg | 102 | | 70 - 130 | | |
| 1,1-Dichloroethene | BYK0271-BS1 | LCS | 0.12661 | 0.12500 | mg/kg | 101 | | 70 - 130 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab |
|-----------------------------------|--------------|------|----------|-------------|-------|------------------|-----|------------------|-----|-----|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0271 | | | | | | | | | | |
| Toluene | BYK0271-BS1 | LCS | 0.12689 | 0.12500 | mg/kg | 102 | | 70 - 130 | | |
| Trichloroethene | BYK0271-BS1 | LCS | 0.12444 | 0.12500 | mg/kg | 99.6 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BYK0271-BS1 | LCS | 0.047390 | 0.050000 | mg/kg | 94.8 | | 70 - 121 | | |
| Toluene-d8 (Surrogate) | BYK0271-BS1 | LCS | 0.050420 | 0.050000 | mg/kg | 101 | | 81 - 117 | | |
| 4-Bromofluorobenzene (Surrogate) | BYK0271-BS1 | LCS | 0.049660 | 0.050000 | mg/kg | 99.3 | | 74 - 121 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab |
|-----------------------------------|------|-----------------------|---------------|----------|-------------|-------|-----|------------------|-----|----------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0192 | | Used client sample: N | | | | | | | | |
| Benzene | MS | 1524843-80 | ND | 0.12453 | 0.12500 | mg/kg | | 99.6 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.12366 | 0.12500 | mg/kg | 0.7 | 98.9 | 20 | 70 - 130 |
| Bromodichloromethane | MS | 1524843-80 | ND | 0.11519 | 0.12500 | mg/kg | | 92.2 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.11784 | 0.12500 | mg/kg | 2.3 | 94.3 | 20 | 70 - 130 |
| Chlorobenzene | MS | 1524843-80 | ND | 0.11493 | 0.12500 | mg/kg | | 91.9 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.11647 | 0.12500 | mg/kg | 1.3 | 93.2 | 20 | 70 - 130 |
| Chloroethane | MS | 1524843-80 | ND | 0.12681 | 0.12500 | mg/kg | | 101 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.12295 | 0.12500 | mg/kg | 3.1 | 98.4 | 20 | 70 - 130 |
| 1,4-Dichlorobenzene | MS | 1524843-80 | ND | 0.12351 | 0.12500 | mg/kg | | 98.8 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.11940 | 0.12500 | mg/kg | 3.4 | 95.5 | 20 | 70 - 130 |
| 1,1-Dichloroethane | MS | 1524843-80 | ND | 0.12476 | 0.12500 | mg/kg | | 99.8 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.12296 | 0.12500 | mg/kg | 1.5 | 98.4 | 20 | 70 - 130 |
| 1,1-Dichloroethene | MS | 1524843-80 | ND | 0.12880 | 0.12500 | mg/kg | | 103 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.12391 | 0.12500 | mg/kg | 3.9 | 99.1 | 20 | 70 - 130 |
| Toluene | MS | 1524843-80 | ND | 0.11295 | 0.12500 | mg/kg | | 90.4 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.11769 | 0.12500 | mg/kg | 4.1 | 94.2 | 20 | 70 - 130 |
| Trichloroethene | MS | 1524843-80 | ND | 0.12086 | 0.12500 | mg/kg | | 96.7 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.12028 | 0.12500 | mg/kg | 0.5 | 96.2 | 20 | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1524843-80 | ND | 0.053950 | 0.050000 | mg/kg | | 108 | | 70 - 121 |
| | MSD | 1524843-80 | ND | 0.054390 | 0.050000 | mg/kg | 0.8 | 109 | | 70 - 121 |
| Toluene-d8 (Surrogate) | MS | 1524843-80 | ND | 0.048870 | 0.050000 | mg/kg | | 97.7 | | 81 - 117 |
| | MSD | 1524843-80 | ND | 0.048910 | 0.050000 | mg/kg | 0.1 | 97.8 | | 81 - 117 |
| 4-Bromofluorobenzene (Surrogate) | MS | 1524843-80 | ND | 0.052550 | 0.050000 | mg/kg | | 105 | | 74 - 121 |
| | MSD | 1524843-80 | ND | 0.051680 | 0.050000 | mg/kg | 1.7 | 103 | | 74 - 121 |
| QC Batch ID: BYK0209 | | Used client sample: N | | | | | | | | |
| Benzene | MS | 1527643-03 | ND | 26.530 | 25.000 | ug/L | | 106 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 27.710 | 25.000 | ug/L | 4.4 | 111 | 20 | 70 - 130 |
| Bromodichloromethane | MS | 1527643-03 | ND | 26.880 | 25.000 | ug/L | | 108 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 26.700 | 25.000 | ug/L | 0.7 | 107 | 20 | 70 - 130 |
| Chlorobenzene | MS | 1527643-03 | ND | 28.170 | 25.000 | ug/L | | 113 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 27.290 | 25.000 | ug/L | 3.2 | 109 | 20 | 70 - 130 |
| Chloroethane | MS | 1527643-03 | ND | 27.840 | 25.000 | ug/L | | 111 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 27.760 | 25.000 | ug/L | 0.3 | 111 | 20 | 70 - 130 |
| 1,4-Dichlorobenzene | MS | 1527643-03 | ND | 26.610 | 25.000 | ug/L | | 106 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 26.060 | 25.000 | ug/L | 2.1 | 104 | 20 | 70 - 130 |
| 1,1-Dichloroethane | MS | 1527643-03 | 0.20000 | 26.640 | 25.000 | ug/L | | 106 | | 70 - 130 |
| | MSD | 1527643-03 | 0.20000 | 27.710 | 25.000 | ug/L | 3.9 | 110 | 20 | 70 - 130 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab Quals |
|-----------------------------------|------|-----------------------|---------------|----------|-------------|-------|-----|------------------|------------------|-----------|
| | | | | | | | | Percent Recovery | Percent Recovery | |
| QC Batch ID: BYK0209 | | Used client sample: N | | | | | | | | |
| 1,1-Dichloroethene | MS | 1527643-03 | ND | 26.730 | 25.000 | ug/L | | 107 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 27.500 | 25.000 | ug/L | 2.8 | 110 | 20 | 70 - 130 |
| Toluene | MS | 1527643-03 | ND | 28.440 | 25.000 | ug/L | | 114 | | 70 - 130 |
| | MSD | 1527643-03 | ND | 27.650 | 25.000 | ug/L | 2.8 | 111 | 20 | 70 - 130 |
| Trichloroethene | MS | 1527643-03 | 7.7200 | 33.160 | 25.000 | ug/L | | 102 | | 70 - 130 |
| | MSD | 1527643-03 | 7.7200 | 31.690 | 25.000 | ug/L | 4.5 | 95.9 | 20 | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1527643-03 | ND | 9.6800 | 10.000 | ug/L | | 96.8 | | 75 - 125 |
| | MSD | 1527643-03 | ND | 10.050 | 10.000 | ug/L | 3.8 | 100 | | 75 - 125 |
| Toluene-d8 (Surrogate) | MS | 1527643-03 | ND | 10.470 | 10.000 | ug/L | | 105 | | 80 - 120 |
| | MSD | 1527643-03 | ND | 10.140 | 10.000 | ug/L | 3.2 | 101 | | 80 - 120 |
| 4-Bromofluorobenzene (Surrogate) | MS | 1527643-03 | ND | 9.7400 | 10.000 | ug/L | | 97.4 | | 80 - 120 |
| | MSD | 1527643-03 | ND | 9.7100 | 10.000 | ug/L | 0.3 | 97.1 | | 80 - 120 |
| QC Batch ID: BYK0271 | | Used client sample: N | | | | | | | | |
| Benzene | MS | 1524843-81 | ND | 0.12391 | 0.12500 | mg/kg | | 99.1 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11985 | 0.12500 | mg/kg | 3.3 | 95.9 | 20 | 70 - 130 |
| Bromodichloromethane | MS | 1524843-81 | ND | 0.11120 | 0.12500 | mg/kg | | 89.0 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11317 | 0.12500 | mg/kg | 1.8 | 90.5 | 20 | 70 - 130 |
| Chlorobenzene | MS | 1524843-81 | ND | 0.11173 | 0.12500 | mg/kg | | 89.4 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.10878 | 0.12500 | mg/kg | 2.7 | 87.0 | 20 | 70 - 130 |
| Chloroethane | MS | 1524843-81 | ND | 0.12374 | 0.12500 | mg/kg | | 99.0 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11923 | 0.12500 | mg/kg | 3.7 | 95.4 | 20 | 70 - 130 |
| 1,4-Dichlorobenzene | MS | 1524843-81 | ND | 0.11062 | 0.12500 | mg/kg | | 88.5 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11066 | 0.12500 | mg/kg | 0.0 | 88.5 | 20 | 70 - 130 |
| 1,1-Dichloroethane | MS | 1524843-81 | ND | 0.12242 | 0.12500 | mg/kg | | 97.9 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11615 | 0.12500 | mg/kg | 5.3 | 92.9 | 20 | 70 - 130 |
| 1,1-Dichloroethene | MS | 1524843-81 | ND | 0.12596 | 0.12500 | mg/kg | | 101 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.12192 | 0.12500 | mg/kg | 3.3 | 97.5 | 20 | 70 - 130 |
| Toluene | MS | 1524843-81 | ND | 0.11510 | 0.12500 | mg/kg | | 92.1 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11396 | 0.12500 | mg/kg | 1.0 | 91.2 | 20 | 70 - 130 |
| Trichloroethene | MS | 1524843-81 | ND | 0.11373 | 0.12500 | mg/kg | | 91.0 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.11084 | 0.12500 | mg/kg | 2.6 | 88.7 | 20 | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surrogate) | MS | 1524843-81 | ND | 0.050580 | 0.050000 | mg/kg | | 101 | | 70 - 121 |
| | MSD | 1524843-81 | ND | 0.051610 | 0.050000 | mg/kg | 2.0 | 103 | | 70 - 121 |
| Toluene-d8 (Surrogate) | MS | 1524843-81 | ND | 0.049810 | 0.050000 | mg/kg | | 99.6 | | 81 - 117 |
| | MSD | 1524843-81 | ND | 0.049980 | 0.050000 | mg/kg | 0.3 | 100 | | 81 - 117 |
| 4-Bromofluorobenzene (Surrogate) | MS | 1524843-81 | ND | 0.048930 | 0.050000 | mg/kg | | 97.9 | | 74 - 121 |
| | MSD | 1524843-81 | ND | 0.049320 | 0.050000 | mg/kg | 0.8 | 98.6 | | 74 - 121 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|-----|------|-----------|
| QC Batch ID: BYK0350 | | | | | | |
| Acenaphthene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.24 | |
| Acenaphthylene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| Aldrin | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.35 | |
| Aniline | BYK0350-BLK1 | ND | ug/L | 5.0 | 0.69 | |
| Anthracene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| Benzidine | BYK0350-BLK1 | ND | ug/L | 20 | 7.1 | |
| Benzo[a]anthracene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.38 | |
| Benzo[b]fluoranthene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.41 | |
| Benzo[k]fluoranthene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| Benzo[a]pyrene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Benzo[g,h,i]perylene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.22 | |
| Benzoic acid | BYK0350-BLK1 | ND | ug/L | 10 | 5.8 | |
| Benzyl alcohol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.34 | |
| Benzyl butyl phthalate | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.47 | |
| alpha-BHC | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| beta-BHC | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| delta-BHC | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| gamma-BHC (Lindane) | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.22 | |
| bis(2-Chloroethoxy)methane | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| bis(2-Chloroethyl) ether | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.68 | |
| bis(2-Chloroisopropyl)ether | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| bis(2-Ethylhexyl)phthalate | BYK0350-BLK1 | ND | ug/L | 4.0 | 3.0 | |
| 4-Bromophenyl phenyl ether | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.23 | |
| 4-Chloroaniline | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.69 | |
| 2-Chloronaphthalene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.34 | |
| 4-Chlorophenyl phenyl ether | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.23 | |
| Chrysene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.63 | |
| 4,4'-DDD | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.48 | |
| 4,4'-DDE | BYK0350-BLK1 | ND | ug/L | 3.0 | 0.41 | |
| 4,4'-DDT | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| Dibenzo[a,h]anthracene | BYK0350-BLK1 | ND | ug/L | 3.0 | 0.26 | |
| Dibenzofuran | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.21 | |
| 1,2-Dichlorobenzene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.37 | |
| 1,3-Dichlorobenzene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.35 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|-----|------|-----------|
| QC Batch ID: BYK0350 | | | | | | |
| 1,4-Dichlorobenzene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| 3,3-Dichlorobenzidine | BYK0350-BLK1 | ND | ug/L | 10 | 8.2 | |
| Dieldrin | BYK0350-BLK1 | ND | ug/L | 3.0 | 0.41 | |
| Diethyl phthalate | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.33 | |
| Dimethyl phthalate | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.39 | |
| Di-n-butyl phthalate | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.39 | |
| 2,4-Dinitrotoluene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| 2,6-Dinitrotoluene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.41 | |
| Di-n-octyl phthalate | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.46 | |
| 1,2-Diphenylhydrazine | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.34 | |
| Endosulfan I | BYK0350-BLK1 | ND | ug/L | 10 | 1.7 | |
| Endosulfan II | BYK0350-BLK1 | ND | ug/L | 10 | 1.2 | |
| Endosulfan sulfate | BYK0350-BLK1 | ND | ug/L | 3.0 | 0.58 | |
| Endrin | BYK0350-BLK1 | ND | ug/L | 2.0 | 1.1 | |
| Endrin aldehyde | BYK0350-BLK1 | ND | ug/L | 10 | 0.52 | |
| Fluoranthene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Fluorene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| Heptachlor | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.32 | |
| Heptachlor epoxide | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| Hexachlorobenzene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Hexachlorobutadiene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.24 | |
| Hexachlorocyclopentadiene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.30 | |
| Hexachloroethane | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.32 | |
| Indeno[1,2,3-cd]pyrene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| Isophorone | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.31 | |
| 2-Methylnaphthalene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| Naphthalene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.21 | |
| 2-Naphthylamine | BYK0350-BLK1 | ND | ug/L | 20 | 4.8 | |
| 2-Nitroaniline | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.33 | |
| 3-Nitroaniline | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.66 | |
| 4-Nitroaniline | BYK0350-BLK1 | ND | ug/L | 5.0 | 0.87 | |
| Nitrobenzene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| N-Nitrosodimethylamine | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.61 | |
| N-Nitrosodi-N-propylamine | BYK0350-BLK1 | ND | ug/L | 2.0 | 1.3 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---------------------|-------------|----------|-----------------------------|------|-----------|
| QC Batch ID: BYK0350 | | | | | | |
| N-Nitrosodiphenylamine | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.44 | |
| Phenanthrene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| Pyrene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.26 | |
| 1,2,4-Trichlorobenzene | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.27 | |
| 4-Chloro-3-methylphenol | BYK0350-BLK1 | ND | ug/L | 5.0 | 0.40 | |
| 2-Chlorophenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.37 | |
| 2,4-Dichlorophenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.43 | |
| 2,4-Dimethylphenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| 4,6-Dinitro-2-methylphenol | BYK0350-BLK1 | ND | ug/L | 10 | 0.34 | |
| 2,4-Dinitrophenol | BYK0350-BLK1 | ND | ug/L | 10 | 0.20 | |
| 2-Methylphenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 1.0 | |
| 3- & 4-Methylphenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 1.6 | |
| Total Methylphenol | BYK0350-BLK1 | ND | ug/L | 4.0 | 2.6 | |
| 2-Nitrophenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.28 | |
| 4-Nitrophenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.73 | |
| Pentachlorophenol | BYK0350-BLK1 | ND | ug/L | 10 | 0.79 | |
| Phenol | BYK0350-BLK1 | ND | ug/L | 2.0 | 0.20 | |
| 2,4,5-Trichlorophenol | BYK0350-BLK1 | ND | ug/L | 5.0 | 0.31 | |
| 2,4,6-Trichlorophenol | BYK0350-BLK1 | ND | ug/L | 5.0 | 0.60 | |
| PCB-1232 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1268 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1262 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1260 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1254 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1242 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1221 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1016 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| PCB-1248 | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| Total PCB's (Summation) | BYK0350-BLK1 | ND | ug/L | 50 | 25 | |
| 2-Fluorophenol (Surrogate) | BYK0350-BLK1 | 62.9 | % | 30 - 120 (LCL - UCL) | | |
| Phenol-d5 (Surrogate) | BYK0350-BLK1 | 30.2 | % | 12 - 110 (LCL - UCL) | | |
| Nitrobenzene-d5 (Surrogate) | BYK0350-BLK1 | 81.3 | % | 50 - 130 (LCL - UCL) | | |
| 2-Fluorobiphenyl (Surrogate) | BYK0350-BLK1 | 111 | % | 55 - 125 (LCL - UCL) | | |
| 2,4,6-Tribromophenol (Surrogate) | BYK0350-BLK1 | 103 | % | 40 - 150 (LCL - UCL) | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-------------|--------------|-----------|-------|-----|-----|-----------|
|-------------|--------------|-----------|-------|-----|-----|-----------|

QC Batch ID: BYK0350

| | | | | | | |
|-----------------------------|--------------|-----|---|----------------------|--|--|
| p-Terphenyl-d14 (Surrogate) | BYK0350-BLK1 | 128 | % | 40 - 150 (LCL - UCL) | | |
|-----------------------------|--------------|-----|---|----------------------|--|--|

QC Batch ID: BYK1055

| | | | | | | |
|-----------------------------|--------------|----|-------|------|-------|--|
| Acenaphthene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Acenaphthylene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Aldrin | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.024 | |
| Aniline | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.053 | |
| Anthracene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Benzidine | BYK1055-BLK1 | ND | mg/kg | 3.0 | 0.22 | |
| Benzo[a]anthracene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.012 | |
| Benzo[b]fluoranthene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Benzo[k]fluoranthene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Benzo[a]pyrene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.015 | |
| Benzo[g,h,i]perylene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.056 | |
| Benzoic acid | BYK1055-BLK1 | ND | mg/kg | 0.50 | 0.067 | |
| Benzyl alcohol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Benzyl butyl phthalate | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| alpha-BHC | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| beta-BHC | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| delta-BHC | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| gamma-BHC (Lindane) | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| bis(2-Chloroethoxy)methane | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| bis(2-Chloroethyl) ether | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.016 | |
| bis(2-Chloroisopropyl)ether | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| bis(2-Ethylhexyl)phthalate | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.043 | |
| 4-Bromophenyl phenyl ether | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 4-Chloroaniline | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.027 | |
| 2-Chloronaphthalene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.020 | |
| 4-Chlorophenyl phenyl ether | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.015 | |
| Chrysene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 4,4'-DDD | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 4,4'-DDE | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 4,4'-DDT | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Dibenzo[a,h]anthracene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|------|--------|-----------|
| QC Batch ID: BYK1055 | | | | | | |
| Dibenzofuran | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.020 | |
| 1,2-Dichlorobenzene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.020 | |
| 1,3-Dichlorobenzene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| 1,4-Dichlorobenzene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| 3,3-Dichlorobenzidine | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.0067 | |
| Dieldrin | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.031 | |
| Diethyl phthalate | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Dimethyl phthalate | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.020 | |
| Di-n-butyl phthalate | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| 2,4-Dinitrotoluene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.022 | |
| 2,6-Dinitrotoluene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Di-n-octyl phthalate | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 1,2-Diphenylhydrazine | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Endosulfan I | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.020 | |
| Endosulfan II | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.021 | |
| Endosulfan sulfate | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| Endrin | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.025 | |
| Endrin aldehyde | BYK1055-BLK1 | ND | mg/kg | 0.50 | 0.022 | |
| Fluoranthene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| Fluorene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Heptachlor | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| Heptachlor epoxide | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| Hexachlorobenzene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.016 | |
| Hexachlorobutadiene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| Hexachlorocyclopentadiene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.019 | |
| Hexachloroethane | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.020 | |
| Indeno[1,2,3-cd]pyrene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.072 | |
| Isophorone | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 2-Methylnaphthalene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Naphthalene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| 2-Naphthylamine | BYK1055-BLK1 | ND | mg/kg | 3.0 | 0.16 | |
| 2-Nitroaniline | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| 3-Nitroaniline | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.015 | |
| 4-Nitroaniline | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.025 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------------|---------------------|-------------|----------|-----------------------------|--------|-----------|
| QC Batch ID: BYK1055 | | | | | | |
| Nitrobenzene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.015 | |
| N-Nitrosodimethylamine | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.037 | |
| N-Nitrosodi-N-propylamine | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| N-Nitrosodiphenylamine | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.021 | |
| Phenanthrene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| Pyrene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 1,2,4-Trichlorobenzene | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.018 | |
| 4-Chloro-3-methylphenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.022 | |
| 2-Chlorophenol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.016 | |
| 2,4-Dichlorophenol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 2,4-Dimethylphenol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.035 | |
| 4,6-Dinitro-2-methylphenol | BYK1055-BLK1 | ND | mg/kg | 0.50 | 0.012 | |
| 2,4-Dinitrophenol | BYK1055-BLK1 | ND | mg/kg | 0.50 | 0.0077 | |
| 2-Methylphenol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.017 | |
| 3- & 4-Methylphenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.033 | |
| Total Methylphenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.047 | |
| 2-Nitrophenol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.016 | |
| 4-Nitrophenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.018 | |
| Pentachlorophenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.013 | |
| Phenol | BYK1055-BLK1 | ND | mg/kg | 0.10 | 0.016 | |
| 2,4,5-Trichlorophenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.018 | |
| 2,4,6-Trichlorophenol | BYK1055-BLK1 | ND | mg/kg | 0.20 | 0.017 | |
| PCB-1232 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1268 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1262 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1260 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1254 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1242 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1221 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1016 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| PCB-1248 | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| Total PCB's (Summation) | BYK1055-BLK1 | ND | mg/kg | 2.0 | 1.0 | |
| 2-Fluorophenol (Surrogate) | BYK1055-BLK1 | 96.5 | % | 20 - 130 (LCL - UCL) | | |
| Phenol-d5 (Surrogate) | BYK1055-BLK1 | 91.3 | % | 30 - 130 (LCL - UCL) | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|----------------------------------|--------------|-----------|-------|----------------------|-----|-----------|
| QC Batch ID: BYK1055 | | | | | | |
| Nitrobenzene-d5 (Surrogate) | BYK1055-BLK1 | 99.4 | % | 30 - 130 (LCL - UCL) | | |
| 2-Fluorobiphenyl (Surrogate) | BYK1055-BLK1 | 93.9 | % | 30 - 140 (LCL - UCL) | | |
| 2,4,6-Tribromophenol (Surrogate) | BYK1055-BLK1 | 68.4 | % | 20 - 150 (LCL - UCL) | | |
| p-Terphenyl-d14 (Surrogate) | BYK1055-BLK1 | 87.3 | % | 30 - 150 (LCL - UCL) | | |

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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab Quals |
|----------------------------------|--------------|------|--------|-------------|-------|------------------|-----|------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0350 | | | | | | | | | | |
| Acenaphthene | BYK0350-BS1 | LCS | 53.470 | 50.000 | ug/L | 107 | | 50 - 120 | | |
| 1,4-Dichlorobenzene | BYK0350-BS1 | LCS | 44.370 | 50.000 | ug/L | 88.7 | | 50 - 120 | | |
| 2,4-Dinitrotoluene | BYK0350-BS1 | LCS | 55.070 | 50.000 | ug/L | 110 | | 50 - 120 | | |
| Hexachlorobenzene | BYK0350-BS1 | LCS | 56.040 | 50.000 | ug/L | 112 | | 60 - 120 | | |
| Hexachlorobutadiene | BYK0350-BS1 | LCS | 41.520 | 50.000 | ug/L | 83.0 | | 40 - 110 | | |
| Hexachloroethane | BYK0350-BS1 | LCS | 44.880 | 50.000 | ug/L | 89.8 | | 40 - 120 | | |
| Nitrobenzene | BYK0350-BS1 | LCS | 46.560 | 50.000 | ug/L | 93.1 | | 50 - 120 | | |
| N-Nitrosodi-N-propylamine | BYK0350-BS1 | LCS | 47.180 | 50.000 | ug/L | 94.4 | | 50 - 120 | | |
| Pyrene | BYK0350-BS1 | LCS | 54.020 | 50.000 | ug/L | 108 | | 40 - 140 | | |
| 1,2,4-Trichlorobenzene | BYK0350-BS1 | LCS | 44.860 | 50.000 | ug/L | 89.7 | | 45 - 120 | | |
| 4-Chloro-3-methylphenol | BYK0350-BS1 | LCS | 54.090 | 50.000 | ug/L | 108 | | 50 - 120 | | |
| 2-Chlorophenol | BYK0350-BS1 | LCS | 47.190 | 50.000 | ug/L | 94.4 | | 50 - 120 | | |
| 2-Methylphenol | BYK0350-BS1 | LCS | 45.290 | 50.000 | ug/L | 90.6 | | 40 - 110 | | |
| 3- & 4-Methylphenol | BYK0350-BS1 | LCS | 84.290 | 100.00 | ug/L | 84.3 | | 40 - 110 | | |
| 4-Nitrophenol | BYK0350-BS1 | LCS | 42.390 | 50.000 | ug/L | 84.8 | | 10 - 110 | | |
| Pentachlorophenol | BYK0350-BS1 | LCS | 58.640 | 50.000 | ug/L | 117 | | 30 - 130 | | |
| Phenol | BYK0350-BS1 | LCS | 24.000 | 50.000 | ug/L | 48.0 | | 20 - 110 | | |
| 2,4,6-Trichlorophenol | BYK0350-BS1 | LCS | 55.980 | 50.000 | ug/L | 112 | | 54 - 120 | | |
| 2-Fluorophenol (Surrogate) | BYK0350-BS1 | LCS | 33.230 | 50.000 | ug/L | 66.5 | | 30 - 120 | | |
| Phenol-d5 (Surrogate) | BYK0350-BS1 | LCS | 21.380 | 50.000 | ug/L | 42.8 | | 12 - 110 | | |
| Nitrobenzene-d5 (Surrogate) | BYK0350-BS1 | LCS | 43.490 | 50.000 | ug/L | 87.0 | | 50 - 130 | | |
| 2-Fluorobiphenyl (Surrogate) | BYK0350-BS1 | LCS | 46.540 | 50.000 | ug/L | 93.1 | | 55 - 125 | | |
| 2,4,6-Tribromophenol (Surrogate) | BYK0350-BS1 | LCS | 50.700 | 50.000 | ug/L | 101 | | 40 - 150 | | |
| p-Terphenyl-d14 (Surrogate) | BYK0350-BS1 | LCS | 20.400 | 25.000 | ug/L | 81.6 | | 40 - 150 | | |
| QC Batch ID: BYK1055 | | | | | | | | | | |
| Acenaphthene | BYK1055-BS1 | LCS | 1.7494 | 1.6667 | mg/kg | 105 | | 50 - 130 | | |
| 1,4-Dichlorobenzene | BYK1055-BS1 | LCS | 1.5878 | 1.6667 | mg/kg | 95.3 | | 50 - 130 | | |
| 2,4-Dinitrotoluene | BYK1055-BS1 | LCS | 1.7949 | 1.6667 | mg/kg | 108 | | 50 - 130 | | |
| Hexachlorobenzene | BYK1055-BS1 | LCS | 1.6013 | 1.6667 | mg/kg | 96.1 | | 40 - 130 | | |
| Hexachlorobutadiene | BYK1055-BS1 | LCS | 1.3843 | 1.6667 | mg/kg | 83.1 | | 50 - 130 | | |
| Hexachloroethane | BYK1055-BS1 | LCS | 1.5878 | 1.6667 | mg/kg | 95.3 | | 50 - 130 | | |
| Nitrobenzene | BYK1055-BS1 | LCS | 1.6147 | 1.6667 | mg/kg | 96.9 | | 50 - 130 | | |
| N-Nitrosodi-N-propylamine | BYK1055-BS1 | LCS | 1.6003 | 1.6667 | mg/kg | 96.0 | | 40 - 120 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab Quals |
|----------------------------------|--------------|------|---------|-------------|-------|------------------|-----|------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK1055 | | | | | | | | | | |
| Pyrene | BYK1055-BS1 | LCS | 1.8826 | 1.6667 | mg/kg | 113 | | 40 - 150 | | |
| 1,2,4-Trichlorobenzene | BYK1055-BS1 | LCS | 1.4963 | 1.6667 | mg/kg | 89.8 | | 50 - 120 | | |
| 4-Chloro-3-methylphenol | BYK1055-BS1 | LCS | 1.8163 | 1.6667 | mg/kg | 109 | | 50 - 130 | | |
| 2-Chlorophenol | BYK1055-BS1 | LCS | 1.5146 | 1.6667 | mg/kg | 90.9 | | 50 - 130 | | |
| 2-Methylphenol | BYK1055-BS1 | LCS | 1.7341 | 1.6667 | mg/kg | 104 | | 50 - 130 | | |
| 3- & 4-Methylphenol | BYK1055-BS1 | LCS | 3.4122 | 3.3333 | mg/kg | 102 | | 50 - 130 | | |
| 4-Nitrophenol | BYK1055-BS1 | LCS | 1.6733 | 1.6667 | mg/kg | 100 | | 30 - 130 | | |
| Pentachlorophenol | BYK1055-BS1 | LCS | 1.2614 | 1.6667 | mg/kg | 75.7 | | 20 - 130 | | |
| Phenol | BYK1055-BS1 | LCS | 1.5898 | 1.6667 | mg/kg | 95.4 | | 40 - 120 | | |
| 2,4,6-Trichlorophenol | BYK1055-BS1 | LCS | 1.5754 | 1.6667 | mg/kg | 94.5 | | 50 - 130 | | |
| 2-Fluorophenol (Surrogate) | BYK1055-BS1 | LCS | 1.5421 | 1.6667 | mg/kg | 92.5 | | 20 - 130 | | |
| Phenol-d5 (Surrogate) | BYK1055-BS1 | LCS | 1.4438 | 1.6667 | mg/kg | 86.6 | | 30 - 130 | | |
| Nitrobenzene-d5 (Surrogate) | BYK1055-BS1 | LCS | 1.5082 | 1.6667 | mg/kg | 90.5 | | 30 - 130 | | |
| 2-Fluorobiphenyl (Surrogate) | BYK1055-BS1 | LCS | 1.5242 | 1.6667 | mg/kg | 91.5 | | 30 - 140 | | |
| 2,4,6-Tribromophenol (Surrogate) | BYK1055-BS1 | LCS | 1.3222 | 1.6667 | mg/kg | 79.3 | | 20 - 150 | | |
| p-Terphenyl-d14 (Surrogate) | BYK1055-BS1 | LCS | 0.68736 | 0.83333 | mg/kg | 82.5 | | 30 - 150 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab Quals |
|-----------------------------|------|-----------------------|---------------|--------|-------------|-------|------|------------------|------------------|-----------|
| | | | | | | | | Percent Recovery | Percent Recovery | |
| QC Batch ID: BYK0350 | | Used client sample: N | | | | | | | | |
| Acenaphthene | MS | 1524843-76 | ND | 48.362 | 50.000 | ug/L | | 96.7 | | 50 - 120 |
| | MSD | 1524843-76 | ND | 46.860 | 50.000 | ug/L | 3.2 | 93.7 | 30 | 50 - 120 |
| 1,4-Dichlorobenzene | MS | 1524843-76 | ND | 37.521 | 50.000 | ug/L | | 75.0 | | 47 - 120 |
| | MSD | 1524843-76 | ND | 37.370 | 50.000 | ug/L | 0.4 | 74.7 | 30 | 47 - 120 |
| 2,4-Dinitrotoluene | MS | 1524843-76 | ND | 51.975 | 50.000 | ug/L | | 104 | | 50 - 130 |
| | MSD | 1524843-76 | ND | 50.310 | 50.000 | ug/L | 3.3 | 101 | 30 | 50 - 130 |
| Hexachlorobenzene | MS | 1524843-76 | ND | 49.352 | 50.000 | ug/L | | 98.7 | | 50 - 120 |
| | MSD | 1524843-76 | ND | 51.030 | 50.000 | ug/L | 3.3 | 102 | 30 | 50 - 120 |
| Hexachlorobutadiene | MS | 1524843-76 | ND | 31.957 | 50.000 | ug/L | | 63.9 | | 40 - 110 |
| | MSD | 1524843-76 | ND | 31.270 | 50.000 | ug/L | 2.2 | 62.5 | 30 | 40 - 110 |
| Hexachloroethane | MS | 1524843-76 | ND | 37.382 | 50.000 | ug/L | | 74.8 | | 40 - 120 |
| | MSD | 1524843-76 | ND | 37.390 | 50.000 | ug/L | 0.0 | 74.8 | 30 | 40 - 120 |
| Nitrobenzene | MS | 1524843-76 | ND | 47.807 | 50.000 | ug/L | | 95.6 | | 50 - 120 |
| | MSD | 1524843-76 | ND | 49.720 | 50.000 | ug/L | 3.9 | 99.4 | 30 | 50 - 120 |
| N-Nitrosodi-N-propylamine | MS | 1524843-76 | ND | 44.134 | 50.000 | ug/L | | 88.3 | | 50 - 120 |
| | MSD | 1524843-76 | ND | 44.010 | 50.000 | ug/L | 0.3 | 88.0 | 30 | 50 - 120 |
| Pyrene | MS | 1524843-76 | ND | 59.242 | 50.000 | ug/L | | 118 | | 40 - 140 |
| | MSD | 1524843-76 | ND | 52.920 | 50.000 | ug/L | 11.3 | 106 | 30 | 40 - 140 |
| 1,2,4-Trichlorobenzene | MS | 1524843-76 | ND | 39.372 | 50.000 | ug/L | | 78.7 | | 43 - 120 |
| | MSD | 1524843-76 | ND | 40.600 | 50.000 | ug/L | 3.1 | 81.2 | 30 | 43 - 120 |
| 4-Chloro-3-methylphenol | MS | 1524843-76 | ND | 42.273 | 50.000 | ug/L | | 84.5 | | 50 - 120 |
| | MSD | 1524843-76 | ND | 35.390 | 50.000 | ug/L | 17.7 | 70.8 | 30 | 50 - 120 |
| 2-Chlorophenol | MS | 1524843-76 | ND | 42.699 | 50.000 | ug/L | | 85.4 | | 50 - 120 |
| | MSD | 1524843-76 | ND | 42.250 | 50.000 | ug/L | 1.1 | 84.5 | 30 | 50 - 120 |
| 2-Methylphenol | MS | 1524843-76 | ND | 37.402 | 50.000 | ug/L | | 74.8 | | 40 - 110 |
| | MSD | 1524843-76 | ND | 38.410 | 50.000 | ug/L | 2.7 | 76.8 | 30 | 40 - 110 |
| 3- & 4-Methylphenol | MS | 1524843-76 | ND | 62.033 | 100.00 | ug/L | | 62.0 | | 40 - 110 |
| | MSD | 1524843-76 | ND | 70.680 | 100.00 | ug/L | 13.0 | 70.7 | 30 | 40 - 110 |
| 4-Nitrophenol | MS | 1524843-76 | ND | 28.096 | 50.000 | ug/L | | 56.2 | | 10 - 110 |
| | MSD | 1524843-76 | ND | 29.260 | 50.000 | ug/L | 4.1 | 58.5 | 30 | 10 - 110 |
| Pentachlorophenol | MS | 1524843-76 | ND | 58.836 | 50.000 | ug/L | | 118 | | 30 - 120 |
| | MSD | 1524843-76 | ND | 57.550 | 50.000 | ug/L | 2.2 | 115 | 30 | 30 - 120 |
| Phenol | MS | 1524843-76 | ND | 19.028 | 50.000 | ug/L | | 38.1 | | 20 - 110 |
| | MSD | 1524843-76 | ND | 19.250 | 50.000 | ug/L | 1.2 | 38.5 | 30 | 20 - 110 |
| 2,4,6-Trichlorophenol | MS | 1524843-76 | ND | 52.529 | 50.000 | ug/L | | 105 | | 50 - 150 |
| | MSD | 1524843-76 | ND | 51.160 | 50.000 | ug/L | 2.6 | 102 | 30 | 50 - 150 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab |
|----------------------------------|------|-----------------------|---------------|---------------|---------------|--------------|-------------|------------------|-----------|-----------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0350 | | Used client sample: N | | | | | | | | |
| 2-Fluorophenol (Surrogate) | MS | 1524843-76 | ND | 29.898 | 50.000 | ug/L | | 59.8 | | 30 - 120 |
| | MSD | 1524843-76 | ND | 29.220 | 50.000 | ug/L | 2.3 | 58.4 | | 30 - 120 |
| Phenol-d5 (Surrogate) | MS | 1524843-76 | ND | 17.454 | 50.000 | ug/L | | 34.9 | | 12 - 110 |
| | MSD | 1524843-76 | ND | 16.810 | 50.000 | ug/L | 3.8 | 33.6 | | 12 - 110 |
| Nitrobenzene-d5 (Surrogate) | MS | 1524843-76 | ND | 40.511 | 50.000 | ug/L | | 81.0 | | 50 - 130 |
| | MSD | 1524843-76 | ND | 39.440 | 50.000 | ug/L | 2.7 | 78.9 | | 50 - 130 |
| 2-Fluorobiphenyl (Surrogate) | MS | 1524843-76 | ND | 43.095 | 50.000 | ug/L | | 86.2 | | 55 - 125 |
| | MSD | 1524843-76 | ND | 39.910 | 50.000 | ug/L | 7.7 | 79.8 | | 55 - 125 |
| 2,4,6-Tribromophenol (Surrogate) | MS | 1524843-76 | ND | 48.748 | 50.000 | ug/L | | 97.5 | | 40 - 150 |
| | MSD | 1524843-76 | ND | 48.310 | 50.000 | ug/L | 0.9 | 96.6 | | 40 - 150 |
| p-Terphenyl-d14 (Surrogate) | MS | 1524843-76 | ND | 20.909 | 25.000 | ug/L | | 83.6 | | 40 - 150 |
| | MSD | 1524843-76 | ND | 20.240 | 25.000 | ug/L | 3.3 | 81.0 | | 40 - 150 |
| QC Batch ID: BYK1055 | | Used client sample: N | | | | | | | | |
| Acenaphthene | MS | 1524843-82 | ND | 2.0624 | 1.6949 | mg/kg | | 122 | | 30 - 140 |
| | MSD | 1524843-82 | ND | 1.8892 | 1.6779 | mg/kg | 8.8 | 113 | 30 | 30 - 140 |
| 1,4-Dichlorobenzene | MS | 1524843-82 | ND | 1.7993 | 1.6949 | mg/kg | | 106 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 1.7632 | 1.6779 | mg/kg | 2.0 | 105 | 30 | 50 - 130 |
| 2,4-Dinitrotoluene | MS | 1524843-82 | ND | 2.0749 | 1.6949 | mg/kg | | 122 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 2.0403 | 1.6779 | mg/kg | 1.7 | 122 | 30 | 50 - 130 |
| Hexachlorobenzene | MS | 1524843-82 | ND | 1.8458 | 1.6949 | mg/kg | | 109 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 1.7416 | 1.6779 | mg/kg | 5.8 | 104 | 30 | 50 - 130 |
| Hexachlorobutadiene | MS | 1524843-82 | ND | 1.6566 | 1.6949 | mg/kg | | 97.7 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 1.5474 | 1.6779 | mg/kg | 6.8 | 92.2 | 30 | 50 - 130 |
| Hexachloroethane | MS | 1524843-82 | ND | 1.8586 | 1.6949 | mg/kg | | 110 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 1.8130 | 1.6779 | mg/kg | 2.5 | 108 | 30 | 50 - 130 |
| Nitrobenzene | MS | 1524843-82 | ND | 1.8285 | 1.6949 | mg/kg | | 108 | | 30 - 120 |
| | MSD | 1524843-82 | ND | 1.7269 | 1.6779 | mg/kg | 5.7 | 103 | 30 | 30 - 120 |
| N-Nitrosodi-N-propylamine | MS | 1524843-82 | ND | 1.8885 | 1.6949 | mg/kg | | 111 | | 20 - 130 |
| | MSD | 1524843-82 | ND | 1.3864 | 1.6779 | mg/kg | 30.7 | 82.6 | 30 | 20 - 130 |
| Pyrene | MS | 1524843-82 | ND | 2.6702 | 1.6949 | mg/kg | | 158 | | 40 - 140 |
| | MSD | 1524843-82 | ND | 2.2140 | 1.6779 | mg/kg | 18.7 | 132 | 30 | 40 - 140 |
| 1,2,4-Trichlorobenzene | MS | 1524843-82 | ND | 1.7641 | 1.6949 | mg/kg | | 104 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 1.6702 | 1.6779 | mg/kg | 5.5 | 99.5 | 30 | 50 - 130 |
| 4-Chloro-3-methylphenol | MS | 1524843-82 | ND | 2.1376 | 1.6949 | mg/kg | | 126 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 2.1203 | 1.6779 | mg/kg | 0.8 | 126 | 30 | 50 - 130 |
| 2-Chlorophenol | MS | 1524843-82 | ND | 1.8017 | 1.6949 | mg/kg | | 106 | | 50 - 130 |
| | MSD | 1524843-82 | ND | 1.7865 | 1.6779 | mg/kg | 0.8 | 106 | 30 | 50 - 130 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | | Lab | |
|----------------------------------|------|-----------------------|---------------|---------|-------------|-------|------|------------------|------------------|----------|--|
| | | | | | | | | RPD | Percent Recovery | | |
| QC Batch ID: BYK1055 | | Used client sample: N | | | | | | | | | |
| 2-Methylphenol | MS | 1524843-82 | ND | 2.0095 | 1.6949 | mg/kg | | 119 | | 50 - 130 | |
| | MSD | 1524843-82 | ND | 1.9976 | 1.6779 | mg/kg | 0.6 | 119 | 30 | 50 - 130 | |
| 3- & 4-Methylphenol | MS | 1524843-82 | ND | 4.0464 | 3.3898 | mg/kg | | 119 | | 50 - 130 | |
| | MSD | 1524843-82 | ND | 4.0710 | 3.3557 | mg/kg | 0.6 | 121 | 30 | 50 - 130 | |
| 4-Nitrophenol | MS | 1524843-82 | ND | 1.7783 | 1.6949 | mg/kg | | 105 | | 30 - 140 | |
| | MSD | 1524843-82 | ND | 2.0938 | 1.6779 | mg/kg | 16.3 | 125 | 30 | 30 - 140 | |
| Pentachlorophenol | MS | 1524843-82 | ND | 1.4156 | 1.6949 | mg/kg | | 83.5 | | 30 - 130 | |
| | MSD | 1524843-82 | ND | 1.4884 | 1.6779 | mg/kg | 5.0 | 88.7 | 30 | 30 - 130 | |
| Phenol | MS | 1524843-82 | ND | 1.8356 | 1.6949 | mg/kg | | 108 | | 40 - 150 | |
| | MSD | 1524843-82 | ND | 1.8551 | 1.6779 | mg/kg | 1.1 | 111 | 30 | 40 - 150 | |
| 2,4,6-Trichlorophenol | MS | 1524843-82 | ND | 1.9478 | 1.6949 | mg/kg | | 115 | | 50 - 130 | |
| | MSD | 1524843-82 | ND | 1.9312 | 1.6779 | mg/kg | 0.9 | 115 | 30 | 50 - 130 | |
| 2-Fluorophenol (Surrogate) | MS | 1524843-82 | ND | 1.7834 | 1.6949 | mg/kg | | 105 | | 20 - 130 | |
| | MSD | 1524843-82 | ND | 1.7680 | 1.6779 | mg/kg | 0.9 | 105 | | 20 - 130 | |
| Phenol-d5 (Surrogate) | MS | 1524843-82 | ND | 1.6292 | 1.6949 | mg/kg | | 96.1 | | 30 - 130 | |
| | MSD | 1524843-82 | ND | 1.6596 | 1.6779 | mg/kg | 1.9 | 98.9 | | 30 - 130 | |
| Nitrobenzene-d5 (Surrogate) | MS | 1524843-82 | ND | 1.7054 | 1.6949 | mg/kg | | 101 | | 30 - 130 | |
| | MSD | 1524843-82 | ND | 1.6969 | 1.6779 | mg/kg | 0.5 | 101 | | 30 - 130 | |
| 2-Fluorobiphenyl (Surrogate) | MS | 1524843-82 | ND | 1.7766 | 1.6949 | mg/kg | | 105 | | 30 - 140 | |
| | MSD | 1524843-82 | ND | 1.6759 | 1.6779 | mg/kg | 5.8 | 99.9 | | 30 - 140 | |
| 2,4,6-Tribromophenol (Surrogate) | MS | 1524843-82 | ND | 1.4932 | 1.6949 | mg/kg | | 88.1 | | 20 - 150 | |
| | MSD | 1524843-82 | ND | 1.4798 | 1.6779 | mg/kg | 0.9 | 88.2 | | 20 - 150 | |
| p-Terphenyl-d14 (Surrogate) | MS | 1524843-82 | ND | 0.94305 | 0.84746 | mg/kg | | 111 | | 30 - 150 | |
| | MSD | 1524843-82 | ND | 0.82376 | 0.83893 | mg/kg | 13.5 | 98.2 | | 30 - 150 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|--|--------------|-----------|-------|----------------------|------|-----------|
| QC Batch ID: BYK0127 | | | | | | |
| Gasoline Range Organics (C4 - C12) | BYK0127-BLK1 | ND | mg/kg | 1.0 | 0.28 | |
| a,a,a-Trifluorotoluene (FID Surrogate) | BYK0127-BLK1 | 122 | % | 70 - 130 (LCL - UCL) | | |
| QC Batch ID: BYK0246 | | | | | | |
| Gasoline Range Organics (C4 - C12) | BYK0246-BLK1 | ND | ug/L | 50 | 8.8 | |
| a,a,a-Trifluorotoluene (FID Surrogate) | BYK0246-BLK1 | 108 | % | 70 - 130 (LCL - UCL) | | |
| QC Batch ID: BYK0303 | | | | | | |
| Gasoline Range Organics (C4 - C12) | BYK0303-BLK1 | ND | mg/kg | 1.0 | 0.28 | |
| a,a,a-Trifluorotoluene (FID Surrogate) | BYK0303-BLK1 | 125 | % | 70 - 130 (LCL - UCL) | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab | Quals |
|--|--------------|------|----------|-------------|-------|------------------|-----|------------------|-----|-----|-------|
| | | | | | | | | Percent Recovery | RPD | | |
| QC Batch ID: BYK0127 | | | | | | | | | | | |
| Gasoline Range Organics (C4 - C12) | BYK0127-BS1 | LCS | 4.3540 | 5.0000 | mg/kg | 87.1 | | 85 - 115 | | | |
| a,a,a-Trifluorotoluene (FID Surrogate) | BYK0127-BS1 | LCS | 0.047000 | 0.040000 | mg/kg | 118 | | 70 - 130 | | | |
| QC Batch ID: BYK0246 | | | | | | | | | | | |
| Gasoline Range Organics (C4 - C12) | BYK0246-BS1 | LCS | 1124.5 | 1000.0 | ug/L | 112 | | 85 - 115 | | | |
| a,a,a-Trifluorotoluene (FID Surrogate) | BYK0246-BS1 | LCS | 39.705 | 40.000 | ug/L | 99.3 | | 70 - 130 | | | |
| QC Batch ID: BYK0303 | | | | | | | | | | | |
| Gasoline Range Organics (C4 - C12) | BYK0303-BS1 | LCS | 5.6940 | 5.0000 | mg/kg | 114 | | 85 - 115 | | | |
| a,a,a-Trifluorotoluene (FID Surrogate) | BYK0303-BS1 | LCS | 0.052000 | 0.040000 | mg/kg | 130 | | 70 - 130 | | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | | Lab |
|--|------|-----------------------|---------------|----------|-------------|-------|------|------------------|------------------|----------|
| | | | | | | | | RPD | Percent Recovery | |
| QC Batch ID: BYK0127 | | Used client sample: N | | | | | | | | |
| Gasoline Range Organics (C4 - C12) | MS | 1524843-80 | ND | 4.6760 | 5.0000 | mg/kg | | 93.5 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 4.3190 | 5.0000 | mg/kg | 7.9 | 86.4 | 20 | 70 - 130 |
| a,a,a-Trifluorotoluene (FID Surrogate) | MS | 1524843-80 | ND | 0.042000 | 0.040000 | mg/kg | | 105 | | 70 - 130 |
| | MSD | 1524843-80 | ND | 0.052000 | 0.040000 | mg/kg | 21.3 | 130 | | 70 - 130 |
| QC Batch ID: BYK0246 | | Used client sample: N | | | | | | | | |
| Gasoline Range Organics (C4 - C12) | MS | 1524843-67 | ND | 1133.0 | 1000.0 | ug/L | | 113 | | 70 - 130 |
| | MSD | 1524843-67 | ND | 1100.9 | 1000.0 | ug/L | 2.9 | 110 | 20 | 70 - 130 |
| a,a,a-Trifluorotoluene (FID Surrogate) | MS | 1524843-67 | ND | 43.942 | 40.000 | ug/L | | 110 | | 70 - 130 |
| | MSD | 1524843-67 | ND | 42.248 | 40.000 | ug/L | 3.9 | 106 | | 70 - 130 |
| QC Batch ID: BYK0303 | | Used client sample: N | | | | | | | | |
| Gasoline Range Organics (C4 - C12) | MS | 1524843-81 | ND | 5.3390 | 5.0000 | mg/kg | | 107 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 5.6830 | 5.0000 | mg/kg | 6.2 | 114 | 20 | 70 - 130 |
| a,a,a-Trifluorotoluene (FID Surrogate) | MS | 1524843-81 | ND | 0.046000 | 0.040000 | mg/kg | | 115 | | 70 - 130 |
| | MSD | 1524843-81 | ND | 0.043000 | 0.040000 | mg/kg | 6.7 | 108 | | 70 - 130 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|--------------------------------|---------------------|-------------|----------|-----------------------------|-----|-----------|
| QC Batch ID: BYK0502 | | | | | | |
| TPH - Diesel (FFP) | BYK0502-BLK1 | ND | ug/L | 200 | 34 | |
| TPH - Motor Oil | BYK0502-BLK1 | ND | ug/L | 500 | 66 | |
| Tetracosane (Surrogate) | BYK0502-BLK1 | 77.3 | % | 37 - 134 (LCL - UCL) | | |
| QC Batch ID: BYK0541 | | | | | | |
| TPH - Diesel (FFP) | BYK0541-BLK1 | ND | mg/kg | 10 | 1.2 | |
| TPH - Motor Oil | BYK0541-BLK1 | ND | mg/kg | 20 | 6.5 | |
| Tetracosane (Surrogate) | BYK0541-BLK1 | 69.6 | % | 20 - 145 (LCL - UCL) | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab |
|-----------------------------|--------------|------|--------|-------------|-------|------------------|-----|------------------|-----|-----|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0502 | | | | | | | | | | |
| TPH - Diesel (FFP) | BYK0502-BS1 | LCS | 1871.7 | 2500.0 | ug/L | 74.9 | | 52 - 128 | | |
| Tetracosane (Surrogate) | BYK0502-BS1 | LCS | 73.070 | 100.00 | ug/L | 73.1 | | 37 - 134 | | |
| QC Batch ID: BYK0541 | | | | | | | | | | |
| TPH - Diesel (FFP) | BYK0541-BS1 | LCS | 66.361 | 83.333 | mg/kg | 79.6 | | 64 - 124 | | |
| Tetracosane (Surrogate) | BYK0541-BS1 | LCS | 2.4268 | 3.3333 | mg/kg | 72.8 | | 20 - 145 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent | | Lab Quals |
|-----------------------------|------|-----------------------|------------------|--------|----------------|-------|------|----------|-----|--------------|
| | | | | | | | | Recovery | RPD | |
| QC Batch ID: BYK0502 | | Used client sample: N | | | | | | | | |
| TPH - Diesel (FFP) | MS | 1524843-85 | ND | 1942.5 | 2500.0 | ug/L | | 77.7 | | 50 - 127 |
| | MSD | 1524843-85 | ND | 1964.1 | 2500.0 | ug/L | 1.1 | 78.6 | 24 | 50 - 127 |
| Tetracosane (Surrogate) | MS | 1524843-85 | ND | 76.400 | 100.00 | ug/L | | 76.4 | | 37 - 134 |
| | MSD | 1524843-85 | ND | 75.760 | 100.00 | ug/L | 0.8 | 75.8 | | 37 - 134 |
| QC Batch ID: BYK0541 | | Used client sample: N | | | | | | | | |
| TPH - Diesel (FFP) | MS | 1524843-46 | ND | 63.382 | 83.056 | mg/kg | | 76.3 | | 52 - 131 |
| | MSD | 1524843-46 | ND | 57.256 | 82.508 | mg/kg | 10.2 | 69.4 | 30 | 52 - 131 |
| Tetracosane (Surrogate) | MS | 1524843-46 | ND | 2.2857 | 3.3223 | mg/kg | | 68.8 | | 20 - 145 |
| | MSD | 1524843-46 | ND | 2.0343 | 3.3003 | mg/kg | 11.6 | 61.6 | | 20 - 145 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Modified WET Test (STLC)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|------|-------|-----------|
| QC Batch ID: BYK1112 | | | | | | |
| Hexavalent Chromium | BYK1112-BLK1 | 0.078800 | mg/L | 0.20 | 0.070 | J |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Modified WET Test (STLC)

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab |
|-----------------------------|--------------|------|--------|-------------|-------|------------------|-----|------------------|-----|-----|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK1112 | | | | | | | | | | |
| Hexavalent Chromium | BYK1112-BS1 | LCS | 4.9029 | 5.0000 | mg/L | 98.1 | | 85 | 115 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Modified WET Test (STLC)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits | | Lab Quals |
|-----------------------------|------|-----------------------|------------------|---------|----------------|-------|-----|---------------------|----------------|---------------------|--------------|
| | | | | | | | | | RPD | Percent Recovery | |
| QC Batch ID: BYK1112 | | Used client sample: N | | | | | | | | | |
| Hexavalent Chromium | DUP | 1527560-03 | 0.72510 | 0.70100 | | mg/L | 3.4 | | 20 | | |
| | MS | 1527560-03 | 0.72510 | 5.8473 | 5.2632 | mg/L | | 97.3 | | 85 - 115 | |
| | MSD | 1527560-03 | 0.72510 | 5.8453 | 5.2632 | mg/L | 0.0 | 97.3 | 20 | 85 - 115 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

WET Test (STLC)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|--------------|-----------|-------|------|-------|-----------|
| QC Batch ID: BYK0800 | | | | | | |
| Barium | BYK0800-BLK1 | ND | mg/L | 0.10 | 0.014 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

WET Test (STLC)

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab |
|-----------------------------|--------------|------|--------|-------------|-------|------------------|-----|------------------|-----|-----|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0800 | | | | | | | | | | |
| Barium | BYK0800-BS1 | LCS | 20.507 | 20.000 | mg/L | 103 | | 85 | 115 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

WET Test (STLC)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab Quals |
|-----------------------------|------|-----------------------|------------------|--------|----------------|-------|------|---------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0800 | | Used client sample: N | | | | | | | | |
| Barium | DUP | 1528246-01 | 1.2153 | 1.0859 | | mg/L | 11.2 | | 20 | |
| | MS | 1528246-01 | 1.2153 | 20.714 | 20.408 | mg/L | | 95.5 | | 75 - 125 |
| | MSD | 1528246-01 | 1.2153 | 20.023 | 20.408 | mg/L | 3.4 | 92.2 | 20 | 75 - 125 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|---------------------|-----------------|--------------|------------|--------------|-----------|
| QC Batch ID: BYK0397 | | | | | | |
| Mercury | BYK0397-BLK1 | ND | mg/kg | 0.16 | 0.036 | |
| QC Batch ID: BYK0484 | | | | | | |
| Antimony | BYK0484-BLK1 | ND | mg/kg | 5.0 | 0.33 | |
| Arsenic | BYK0484-BLK1 | ND | mg/kg | 1.0 | 0.40 | |
| Barium | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.18 | |
| Beryllium | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.047 | |
| Cadmium | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.052 | |
| Chromium | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.050 | |
| Cobalt | BYK0484-BLK1 | ND | mg/kg | 2.5 | 0.098 | |
| Copper | BYK0484-BLK1 | 0.055698 | mg/kg | 1.0 | 0.050 | J |
| Lead | BYK0484-BLK1 | ND | mg/kg | 2.5 | 0.28 | |
| Molybdenum | BYK0484-BLK1 | ND | mg/kg | 2.5 | 0.050 | |
| Nickel | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.15 | |
| Selenium | BYK0484-BLK1 | ND | mg/kg | 1.0 | 0.98 | |
| Silver | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.067 | |
| Thallium | BYK0484-BLK1 | ND | mg/kg | 5.0 | 0.64 | |
| Vanadium | BYK0484-BLK1 | ND | mg/kg | 0.50 | 0.11 | |
| Zinc | BYK0484-BLK1 | 0.22333 | mg/kg | 2.5 | 0.087 | J |
| QC Batch ID: BYK0764 | | | | | | |
| Mercury | BYK0764-BLK1 | ND | mg/kg | 0.16 | 0.036 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab Quals |
|-----------------------------|--------------|------|---------|-------------|-------|------------------|-----|------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0397 | | | | | | | | | | |
| Mercury | BYK0397-BS1 | LCS | 0.85568 | 0.80000 | mg/kg | 107 | | 80 - 120 | | |
| QC Batch ID: BYK0484 | | | | | | | | | | |
| Antimony | BYK0484-BS1 | LCS | 97.018 | 100.00 | mg/kg | 97.0 | | 75 - 125 | | |
| Arsenic | BYK0484-BS1 | LCS | 10.535 | 10.000 | mg/kg | 105 | | 75 - 125 | | |
| Barium | BYK0484-BS1 | LCS | 101.02 | 100.00 | mg/kg | 101 | | 75 - 125 | | |
| Beryllium | BYK0484-BS1 | LCS | 8.7462 | 10.000 | mg/kg | 87.5 | | 75 - 125 | | |
| Cadmium | BYK0484-BS1 | LCS | 9.2026 | 10.000 | mg/kg | 92.0 | | 75 - 125 | | |
| Chromium | BYK0484-BS1 | LCS | 96.639 | 100.00 | mg/kg | 96.6 | | 75 - 125 | | |
| Cobalt | BYK0484-BS1 | LCS | 94.794 | 100.00 | mg/kg | 94.8 | | 75 - 125 | | |
| Copper | BYK0484-BS1 | LCS | 93.986 | 100.00 | mg/kg | 94.0 | | 75 - 125 | | |
| Lead | BYK0484-BS1 | LCS | 93.968 | 100.00 | mg/kg | 94.0 | | 75 - 125 | | |
| Molybdenum | BYK0484-BS1 | LCS | 93.685 | 100.00 | mg/kg | 93.7 | | 75 - 125 | | |
| Nickel | BYK0484-BS1 | LCS | 99.759 | 100.00 | mg/kg | 99.8 | | 75 - 125 | | |
| Selenium | BYK0484-BS1 | LCS | 8.7021 | 10.000 | mg/kg | 87.0 | | 75 - 125 | | |
| Silver | BYK0484-BS1 | LCS | 9.1695 | 10.000 | mg/kg | 91.7 | | 75 - 125 | | |
| Thallium | BYK0484-BS1 | LCS | 104.82 | 100.00 | mg/kg | 105 | | 75 - 125 | | |
| Vanadium | BYK0484-BS1 | LCS | 100.23 | 100.00 | mg/kg | 100 | | 75 - 125 | | |
| Zinc | BYK0484-BS1 | LCS | 91.181 | 100.00 | mg/kg | 91.2 | | 75 - 125 | | |
| QC Batch ID: BYK0764 | | | | | | | | | | |
| Mercury | BYK0764-BS1 | LCS | 0.83312 | 0.80000 | mg/kg | 104 | | 80 - 120 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T1000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab |
|-----------------------------|------|--|---------------|---------|-------------|-------|-----|------------------|-----|----------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0397 | | Used client sample: Y - Description: BI-d20.0 Boring, 10/29/2015 08:21 | | | | | | | | |
| Mercury | DUP | 1527691-05 | ND | ND | | mg/kg | | | 20 | |
| | MS | 1527691-05 | ND | 0.84462 | 0.76923 | mg/kg | | 110 | | 80 - 120 |
| | MSD | 1527691-05 | ND | 0.84446 | 0.76923 | mg/kg | 0.0 | 110 | 20 | 80 - 120 |
| QC Batch ID: BYK0484 | | Used client sample: Y - Description: BI-d15.0 Boring, 10/29/2015 08:09 | | | | | | | | |
| Antimony | DUP | 1527691-04 | ND | ND | | mg/kg | | | 20 | |
| | MS | 1527691-04 | ND | 40.190 | 100.00 | mg/kg | | 40.2 | | 16 - 119 |
| | MSD | 1527691-04 | ND | 41.671 | 100.00 | mg/kg | 3.6 | 41.7 | 20 | 16 - 119 |
| Arsenic | DUP | 1527691-04 | 2.9941 | 3.1376 | | mg/kg | 4.7 | | 20 | |
| | MS | 1527691-04 | 2.9941 | 12.230 | 10.000 | mg/kg | | 92.4 | | 75 - 125 |
| | MSD | 1527691-04 | 2.9941 | 12.088 | 10.000 | mg/kg | 1.2 | 90.9 | 20 | 75 - 125 |
| Barium | DUP | 1527691-04 | 247.41 | 245.64 | | mg/kg | 0.7 | | 20 | |
| | MS | 1527691-04 | 247.41 | 343.42 | 100.00 | mg/kg | | 96.0 | | 75 - 125 |
| | MSD | 1527691-04 | 247.41 | 340.25 | 100.00 | mg/kg | 0.9 | 92.8 | 20 | 75 - 125 |
| Beryllium | DUP | 1527691-04 | 0.30173 | 0.30652 | | mg/kg | 1.6 | | 20 | J |
| | MS | 1527691-04 | 0.30173 | 8.5014 | 10.000 | mg/kg | | 82.0 | | 75 - 125 |
| | MSD | 1527691-04 | 0.30173 | 8.3514 | 10.000 | mg/kg | 1.8 | 80.5 | 20 | 75 - 125 |
| Cadmium | DUP | 1527691-04 | ND | ND | | mg/kg | | | 20 | |
| | MS | 1527691-04 | ND | 8.3978 | 10.000 | mg/kg | | 84.0 | | 75 - 125 |
| | MSD | 1527691-04 | ND | 8.2689 | 10.000 | mg/kg | 1.5 | 82.7 | 20 | 75 - 125 |
| Chromium | DUP | 1527691-04 | 14.679 | 14.741 | | mg/kg | 0.4 | | 20 | |
| | MS | 1527691-04 | 14.679 | 101.40 | 100.00 | mg/kg | | 86.7 | | 75 - 125 |
| | MSD | 1527691-04 | 14.679 | 101.75 | 100.00 | mg/kg | 0.3 | 87.1 | 20 | 75 - 125 |
| Cobalt | DUP | 1527691-04 | 5.8828 | 5.7950 | | mg/kg | 1.5 | | 20 | |
| | MS | 1527691-04 | 5.8828 | 88.983 | 100.00 | mg/kg | | 83.1 | | 75 - 125 |
| | MSD | 1527691-04 | 5.8828 | 88.618 | 100.00 | mg/kg | 0.4 | 82.7 | 20 | 75 - 125 |
| Copper | DUP | 1527691-04 | 8.0445 | 7.9609 | | mg/kg | 1.0 | | 20 | |
| | MS | 1527691-04 | 8.0445 | 95.529 | 100.00 | mg/kg | | 87.5 | | 75 - 125 |
| | MSD | 1527691-04 | 8.0445 | 95.107 | 100.00 | mg/kg | 0.4 | 87.1 | 20 | 75 - 125 |
| Lead | DUP | 1527691-04 | 5.0643 | 5.0753 | | mg/kg | 0.2 | | 20 | |
| | MS | 1527691-04 | 5.0643 | 92.424 | 100.00 | mg/kg | | 87.4 | | 75 - 125 |
| | MSD | 1527691-04 | 5.0643 | 91.120 | 100.00 | mg/kg | 1.4 | 86.1 | 20 | 75 - 125 |
| Molybdenum | DUP | 1527691-04 | 0.069607 | ND | | mg/kg | | | 20 | |
| | MS | 1527691-04 | 0.069607 | 79.890 | 100.00 | mg/kg | | 79.8 | | 75 - 125 |
| | MSD | 1527691-04 | 0.069607 | 79.899 | 100.00 | mg/kg | 0.0 | 79.8 | 20 | 75 - 125 |
| Nickel | DUP | 1527691-04 | 16.471 | 16.419 | | mg/kg | 0.3 | | 20 | |
| | MS | 1527691-04 | 16.471 | 102.34 | 100.00 | mg/kg | | 85.9 | | 75 - 125 |
| | MSD | 1527691-04 | 16.471 | 101.48 | 100.00 | mg/kg | 0.8 | 85.0 | 20 | 75 - 125 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits | | Lab |
|-----------------------------|------|--|---------------|---------|-------------|-------|------|------------------|----------------|------------------|-----|
| | | | | | | | | | RPD | Percent Recovery | |
| QC Batch ID: BYK0484 | | Used client sample: Y - Description: BI-d15.0 Boring, 10/29/2015 08:09 | | | | | | | | | |
| Selenium | DUP | 1527691-04 | ND | 1.3291 | | mg/kg | | | 20 | | |
| | MS | 1527691-04 | ND | 9.2696 | 10.000 | mg/kg | | 92.7 | | 75 - 125 | |
| | MSD | 1527691-04 | ND | 8.8030 | 10.000 | mg/kg | 5.2 | 88.0 | 20 | 75 - 125 | |
| Silver | DUP | 1527691-04 | 0.11773 | 0.10323 | | mg/kg | 13.1 | | 20 | | J |
| | MS | 1527691-04 | 0.11773 | 8.4267 | 10.000 | mg/kg | | 83.1 | | 75 - 125 | |
| | MSD | 1527691-04 | 0.11773 | 8.4647 | 10.000 | mg/kg | 0.4 | 83.5 | 20 | 75 - 125 | |
| Thallium | DUP | 1527691-04 | ND | ND | | mg/kg | | | 20 | | |
| | MS | 1527691-04 | ND | 88.679 | 100.00 | mg/kg | | 88.7 | | 75 - 125 | |
| | MSD | 1527691-04 | ND | 87.722 | 100.00 | mg/kg | 1.1 | 87.7 | 20 | 75 - 125 | |
| Vanadium | DUP | 1527691-04 | 24.755 | 25.502 | | mg/kg | 3.0 | | 20 | | |
| | MS | 1527691-04 | 24.755 | 117.84 | 100.00 | mg/kg | | 93.1 | | 75 - 125 | |
| | MSD | 1527691-04 | 24.755 | 117.89 | 100.00 | mg/kg | 0.0 | 93.1 | 20 | 75 - 125 | |
| Zinc | DUP | 1527691-04 | 36.878 | 36.657 | | mg/kg | 0.6 | | 20 | | |
| | MS | 1527691-04 | 36.878 | 120.66 | 100.00 | mg/kg | | 83.8 | | 75 - 125 | |
| | MSD | 1527691-04 | 36.878 | 119.49 | 100.00 | mg/kg | 1.0 | 82.6 | 20 | 75 - 125 | |

| | | | | | | | | | | | |
|-----------------------------|-----|-----------------------|----------|---------|---------|-------|------|------|----|----------|---|
| QC Batch ID: BYK0764 | | Used client sample: N | | | | | | | | | |
| Mercury | DUP | 1527531-01 | 0.088852 | 0.10066 | | mg/kg | 12.5 | | 20 | | J |
| | MS | 1527531-01 | 0.088852 | 0.82475 | 0.81967 | mg/kg | | 89.8 | | 80 - 120 | |
| | MSD | 1527531-01 | 0.088852 | 0.91459 | 0.81967 | mg/kg | 10.3 | 101 | 20 | 80 - 120 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|----------------------------------|---------------------|-----------------|-------------|-------------|--------------|-----------|
| QC Batch ID: BYK0163 | | | | | | |
| Chloride | BYK0163-BLK1 | ND | mg/L | 0.50 | 0.061 | |
| Nitrate as N | BYK0163-BLK1 | ND | mg/L | 0.10 | 0.018 | |
| Sulfate | BYK0163-BLK1 | ND | mg/L | 1.0 | 0.10 | |
| QC Batch ID: BYK0331 | | | | | | |
| Bicarbonate | BYK0331-BLK1 | ND | mg/L | 5.0 | 5.0 | |
| Carbonate | BYK0331-BLK1 | ND | mg/L | 2.5 | 2.5 | |
| QC Batch ID: BYK0410 | | | | | | |
| Total Dissolved Solids @ 180 C | BYK0410-BLK1 | ND | mg/L | 6.7 | 6.7 | |
| QC Batch ID: BYK0507 | | | | | | |
| Total Recoverable Calcium | BYK0507-BLK1 | 0.016780 | mg/L | 0.10 | 0.014 | J |
| Total Recoverable Magnesium | BYK0507-BLK1 | ND | mg/L | 0.050 | 0.019 | |
| Total Recoverable Sodium | BYK0507-BLK1 | 0.094349 | mg/L | 0.50 | 0.051 | J |
| Total Recoverable Potassium | BYK0507-BLK1 | ND | mg/L | 1.0 | 0.10 | |
| QC Batch ID: BYK0688 | | | | | | |
| Dissolved Calcium | BYK0688-BLK1 | ND | mg/L | 0.10 | 0.016 | |
| Dissolved Magnesium | BYK0688-BLK1 | ND | mg/L | 0.050 | 0.019 | |
| Dissolved Sodium | BYK0688-BLK1 | 0.055211 | mg/L | 0.50 | 0.051 | J |
| Dissolved Potassium | BYK0688-BLK1 | ND | mg/L | 1.0 | 0.10 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab Quals |
|--------------------------------|--------------|------|--------|-------------|----------|------------------|-----|------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0163 | | | | | | | | | | |
| Chloride | BYK0163-BS1 | LCS | 51.940 | 50.000 | mg/L | 104 | | 90 - 110 | | |
| Nitrate as N | BYK0163-BS1 | LCS | 5.2290 | 5.0000 | mg/L | 105 | | 90 - 110 | | |
| Sulfate | BYK0163-BS1 | LCS | 102.77 | 100.00 | mg/L | 103 | | 90 - 110 | | |
| QC Batch ID: BYK0331 | | | | | | | | | | |
| pH | BYK0331-BS2 | LCS | 4.0000 | 4.0000 | pH Units | 100 | | 95 - 105 | | |
| Electrical Conductivity @ 25 C | BYK0331-BS1 | LCS | 316.30 | 303.00 | umhos/cm | 104 | | 90 - 110 | | |
| QC Batch ID: BYK0410 | | | | | | | | | | |
| Total Dissolved Solids @ 180 C | BYK0410-BS1 | LCS | 545.00 | 586.00 | mg/L | 93.0 | | 90 - 110 | | |
| QC Batch ID: BYK0507 | | | | | | | | | | |
| Total Recoverable Calcium | BYK0507-BS1 | LCS | 10.476 | 10.000 | mg/L | 105 | | 85 - 115 | | |
| Total Recoverable Magnesium | BYK0507-BS1 | LCS | 10.603 | 10.000 | mg/L | 106 | | 85 - 115 | | |
| Total Recoverable Sodium | BYK0507-BS1 | LCS | 10.313 | 10.000 | mg/L | 103 | | 85 - 115 | | |
| Total Recoverable Potassium | BYK0507-BS1 | LCS | 9.9880 | 10.000 | mg/L | 99.9 | | 85 - 115 | | |
| QC Batch ID: BYK0688 | | | | | | | | | | |
| Dissolved Calcium | BYK0688-BS1 | LCS | 10.473 | 10.000 | mg/L | 105 | | 85 - 115 | | |
| Dissolved Magnesium | BYK0688-BS1 | LCS | 10.540 | 10.000 | mg/L | 105 | | 85 - 115 | | |
| Dissolved Sodium | BYK0688-BS1 | LCS | 10.329 | 10.000 | mg/L | 103 | | 85 - 115 | | |
| Dissolved Potassium | BYK0688-BS1 | LCS | 9.9911 | 10.000 | mg/L | 99.9 | | 85 - 115 | | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes sections for QC Batch IDs BYK0163, BYK0331, BYK0410, BYK0507, and BYK0688.

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent | | Lab Quals |
|-----------------------------|------|---|------------------|--------|----------------|-------|-----|----------|-----|--------------|
| | | | | | | | | Recovery | RPD | |
| QC Batch ID: BYK0688 | | Used client sample: Y - Description: BI-GW47.0 Boring, 10/29/2015 09:55 | | | | | | | | |
| Dissolved Sodium | DUP | 1527691-12 | 314.36 | 314.11 | | mg/L | 0.1 | | 20 | |
| | MS | 1527691-12 | 314.36 | 328.39 | 10.204 | mg/L | | 138 | | 85 - 115 A03 |
| | MSD | 1527691-12 | 314.36 | 321.02 | 10.204 | mg/L | 2.3 | 65.3 | 20 | 85 - 115 A03 |
| Dissolved Potassium | DUP | 1527691-12 | 3.2890 | 3.3937 | | mg/L | 3.1 | | 20 | |
| | MS | 1527691-12 | 3.2890 | 13.914 | 10.204 | mg/L | | 104 | | 85 - 115 |
| | MSD | 1527691-12 | 3.2890 | 13.988 | 10.204 | mg/L | 0.5 | 105 | 20 | 85 - 115 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Metals Analysis

Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-----------------------------|---------------------|---------------|-------------|-----------|------------|-----------|
| QC Batch ID: BYK0260 | | | | | | |
| Total Antimony | BYK0260-BLK1 | ND | ug/L | 100 | 8.5 | |
| Total Arsenic | BYK0260-BLK1 | ND | ug/L | 50 | 7.8 | |
| Total Barium | BYK0260-BLK1 | ND | ug/L | 10 | 3.5 | |
| Total Beryllium | BYK0260-BLK1 | ND | ug/L | 10 | 0.50 | |
| Total Cadmium | BYK0260-BLK1 | ND | ug/L | 10 | 1.1 | |
| Total Chromium | BYK0260-BLK1 | ND | ug/L | 10 | 1.1 | |
| Total Cobalt | BYK0260-BLK1 | ND | ug/L | 50 | 1.3 | |
| Total Copper | BYK0260-BLK1 | 2.8144 | ug/L | 10 | 1.1 | J |
| Total Lead | BYK0260-BLK1 | ND | ug/L | 50 | 4.0 | |
| Total Molybdenum | BYK0260-BLK1 | 1.5642 | ug/L | 50 | 1.2 | J |
| Total Nickel | BYK0260-BLK1 | ND | ug/L | 10 | 2.0 | |
| Total Selenium | BYK0260-BLK1 | ND | ug/L | 100 | 15 | |
| Total Silver | BYK0260-BLK1 | ND | ug/L | 10 | 1.9 | |
| Total Thallium | BYK0260-BLK1 | ND | ug/L | 100 | 24 | |
| Total Vanadium | BYK0260-BLK1 | ND | ug/L | 10 | 2.2 | |
| Total Zinc | BYK0260-BLK1 | 5.7223 | ug/L | 50 | 2.3 | J |
| QC Batch ID: BYK0347 | | | | | | |
| Total Mercury | BYK0347-BLK1 | ND | ug/L | 0.20 | 0.033 | |
| QC Batch ID: BYK0507 | | | | | | |
| Total Recoverable Boron | BYK0507-BLK1 | ND | ug/L | 100 | 10 | |
| QC Batch ID: BYK0688 | | | | | | |
| Dissolved Boron | BYK0688-BLK1 | ND | mg/L | 0.10 | 0.010 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Metals Analysis

Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits | | Lab Quals |
|-----------------------------|--------------|------|---------|-------------|-------|------------------|-----|------------------|-----|--------------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0260 | | | | | | | | | | |
| Total Antimony | BYK0260-BS1 | LCS | 392.53 | 400.00 | ug/L | 98.1 | | 85 | 115 | |
| Total Arsenic | BYK0260-BS1 | LCS | 188.42 | 200.00 | ug/L | 94.2 | | 85 | 115 | |
| Total Barium | BYK0260-BS1 | LCS | 426.35 | 400.00 | ug/L | 107 | | 85 | 115 | |
| Total Beryllium | BYK0260-BS1 | LCS | 187.20 | 200.00 | ug/L | 93.6 | | 85 | 115 | |
| Total Cadmium | BYK0260-BS1 | LCS | 188.45 | 200.00 | ug/L | 94.2 | | 85 | 115 | |
| Total Chromium | BYK0260-BS1 | LCS | 209.57 | 200.00 | ug/L | 105 | | 85 | 115 | |
| Total Cobalt | BYK0260-BS1 | LCS | 195.63 | 200.00 | ug/L | 97.8 | | 85 | 115 | |
| Total Copper | BYK0260-BS1 | LCS | 365.75 | 400.00 | ug/L | 91.4 | | 85 | 115 | |
| Total Lead | BYK0260-BS1 | LCS | 391.39 | 400.00 | ug/L | 97.8 | | 85 | 115 | |
| Total Molybdenum | BYK0260-BS1 | LCS | 196.63 | 200.00 | ug/L | 98.3 | | 85 | 115 | |
| Total Nickel | BYK0260-BS1 | LCS | 376.96 | 400.00 | ug/L | 94.2 | | 85 | 115 | |
| Total Selenium | BYK0260-BS1 | LCS | 197.77 | 200.00 | ug/L | 98.9 | | 85 | 115 | |
| Total Silver | BYK0260-BS1 | LCS | 95.036 | 100.00 | ug/L | 95.0 | | 85 | 115 | |
| Total Thallium | BYK0260-BS1 | LCS | 417.93 | 400.00 | ug/L | 104 | | 85 | 115 | |
| Total Vanadium | BYK0260-BS1 | LCS | 201.46 | 200.00 | ug/L | 101 | | 85 | 115 | |
| Total Zinc | BYK0260-BS1 | LCS | 481.99 | 500.00 | ug/L | 96.4 | | 85 | 115 | |
| QC Batch ID: BYK0347 | | | | | | | | | | |
| Total Mercury | BYK0347-BS1 | LCS | 0.89500 | 1.0000 | ug/L | 89.5 | | 85 | 115 | |
| QC Batch ID: BYK0507 | | | | | | | | | | |
| Total Recoverable Boron | BYK0507-BS1 | LCS | 988.10 | 1000.0 | ug/L | 98.8 | | 85 | 115 | |
| QC Batch ID: BYK0688 | | | | | | | | | | |
| Dissolved Boron | BYK0688-BS1 | LCS | 0.95554 | 1.0000 | mg/L | 95.6 | | 85 | 115 | |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Metals Analysis

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab |
|-----------------------------|------|-----------------------|---------------|--------|-------------|-------|------|------------------|-----|----------|
| | | | | | | | | Percent Recovery | RPD | |
| QC Batch ID: BYK0260 | | Used client sample: N | | | | | | | | |
| Total Antimony | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 406.14 | 400.00 | ug/L | | 102 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 417.81 | 400.00 | ug/L | 2.8 | 104 | 20 | 75 - 125 |
| Total Arsenic | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 192.77 | 200.00 | ug/L | | 96.4 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 197.57 | 200.00 | ug/L | 2.5 | 98.8 | 20 | 75 - 125 |
| Total Barium | DUP | 1527617-01 | 75.779 | 76.382 | | ug/L | 0.8 | | 20 | |
| | MS | 1527617-01 | 75.779 | 478.98 | 400.00 | ug/L | | 101 | | 75 - 125 |
| | MSD | 1527617-01 | 75.779 | 502.13 | 400.00 | ug/L | 4.7 | 107 | 20 | 75 - 125 |
| Total Beryllium | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 187.46 | 200.00 | ug/L | | 93.7 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 192.58 | 200.00 | ug/L | 2.7 | 96.3 | 20 | 75 - 125 |
| Total Cadmium | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 195.28 | 200.00 | ug/L | | 97.6 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 202.24 | 200.00 | ug/L | 3.5 | 101 | 20 | 75 - 125 |
| Total Chromium | DUP | 1527617-01 | 9.6443 | 9.1776 | | ug/L | 5.0 | | 20 | J |
| | MS | 1527617-01 | 9.6443 | 207.15 | 200.00 | ug/L | | 98.8 | | 75 - 125 |
| | MSD | 1527617-01 | 9.6443 | 218.09 | 200.00 | ug/L | 5.1 | 104 | 20 | 75 - 125 |
| Total Cobalt | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 197.51 | 200.00 | ug/L | | 98.8 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 204.67 | 200.00 | ug/L | 3.6 | 102 | 20 | 75 - 125 |
| Total Copper | DUP | 1527617-01 | 4.1360 | 1.8916 | | ug/L | 74.5 | | 20 | J,A02 |
| | MS | 1527617-01 | 4.1360 | 393.36 | 400.00 | ug/L | | 97.3 | | 75 - 125 |
| | MSD | 1527617-01 | 4.1360 | 399.79 | 400.00 | ug/L | 1.6 | 98.9 | 20 | 75 - 125 |
| Total Lead | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 400.54 | 400.00 | ug/L | | 100 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 413.01 | 400.00 | ug/L | 3.1 | 103 | 20 | 75 - 125 |
| Total Molybdenum | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 196.25 | 200.00 | ug/L | | 98.1 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 204.94 | 200.00 | ug/L | 4.3 | 102 | 20 | 75 - 125 |
| Total Nickel | DUP | 1527617-01 | 6.1556 | 5.9521 | | ug/L | 3.4 | | 20 | J |
| | MS | 1527617-01 | 6.1556 | 364.97 | 400.00 | ug/L | | 89.7 | | 75 - 125 |
| | MSD | 1527617-01 | 6.1556 | 377.43 | 400.00 | ug/L | 3.4 | 92.8 | 20 | 75 - 125 |
| Total Selenium | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 188.40 | 200.00 | ug/L | | 94.2 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 200.79 | 200.00 | ug/L | 6.4 | 100 | 20 | 75 - 125 |
| Total Silver | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 95.820 | 100.00 | ug/L | | 95.8 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 97.879 | 100.00 | ug/L | 2.1 | 97.9 | 20 | 75 - 125 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Metals Analysis

Quality Control Report - Precision & Accuracy

| Constituent | Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits | | Lab |
|-----------------------------|------|---|---------------|---------------|---------------|-------------|-------------|------------------|------------------|-----------------|
| | | | | | | | | Percent Recovery | Percent Recovery | |
| QC Batch ID: BYK0260 | | Used client sample: N | | | | | | | | |
| Total Thallium | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 422.16 | 400.00 | ug/L | | 106 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 426.62 | 400.00 | ug/L | 1.0 | 107 | 20 | 75 - 125 |
| Total Vanadium | DUP | 1527617-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527617-01 | ND | 199.07 | 200.00 | ug/L | | 99.5 | | 75 - 125 |
| | MSD | 1527617-01 | ND | 206.31 | 200.00 | ug/L | 3.6 | 103 | 20 | 75 - 125 |
| Total Zinc | DUP | 1527617-01 | 5.4795 | 6.9704 | | ug/L | 24.0 | | 20 | J,A02 |
| | MS | 1527617-01 | 5.4795 | 487.55 | 500.00 | ug/L | | 96.4 | | 75 - 125 |
| | MSD | 1527617-01 | 5.4795 | 488.58 | 500.00 | ug/L | 0.2 | 96.6 | 20 | 75 - 125 |
| QC Batch ID: BYK0347 | | Used client sample: N | | | | | | | | |
| Total Mercury | DUP | 1527672-01 | ND | ND | | ug/L | | | 20 | |
| | MS | 1527672-01 | ND | 0.82750 | 1.0000 | ug/L | | 82.8 | | 70 - 130 |
| | MSD | 1527672-01 | ND | 0.83750 | 1.0000 | ug/L | 1.2 | 83.8 | 20 | 70 - 130 |
| QC Batch ID: BYK0507 | | Used client sample: N | | | | | | | | |
| Total Recoverable Boron | DUP | 1527700-01 | 178.35 | 181.12 | | ug/L | 1.5 | | 20 | |
| | MS | 1527700-01 | 178.35 | 1139.2 | 1000.0 | ug/L | | 96.1 | | 75 - 125 |
| | MSD | 1527700-01 | 178.35 | 1132.2 | 1000.0 | ug/L | 0.6 | 95.4 | 20 | 75 - 125 |
| QC Batch ID: BYK0688 | | Used client sample: Y - Description: BI-GW47.0 Boring, 10/29/2015 09:55 | | | | | | | | |
| Dissolved Boron | DUP | 1527691-12 | 7.4273 | 7.2382 | | mg/L | 2.6 | | 20 | |
| | MS | 1527691-12 | 7.4273 | 8.0209 | 1.0204 | mg/L | | 58.2 | | 85 - 115 A03 |
| | MSD | 1527691-12 | 7.4273 | 8.3169 | 1.0204 | mg/L | 3.6 | 87.2 | 20 | 85 - 115 |

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Notes And Definitions

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A02 The difference between duplicate readings is less than the quantitation limit.
- A03 The sample concentration is more than 4 times the spike level.
- A07 Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
- A10 Detection and quantitation limits were raised due to matrix interference.
- A17 Surrogate not reportable due to sample dilution.
- A19 Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
- Q02 Matrix spike precision is not within the control limits.
- S05 The sample holding time was exceeded.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.
- Z2 Liquid was combined from 2 VOAs for testing due to the amount of solid material in each sample container