



Date of Report: 11/17/2015

Jennifer Brady

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

Client Project: GIG Excavation
BCL Project: GIG
BCL Work Order: 1528602
Invoice ID: B219356

Enclosed are the results of analyses for samples received by the laboratory on 11/9/2015. 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



Laboratories, Inc.

Report To: *E & B Natural Resources* Project #: _____

Client: *E & B Natural Resources* Project Name: *GLB Evaluation*

Attn: *Jennifer Brady*

Street Address: *Van Abbots Rd*

City, State, Zip: *Bakersfield 93308* Sampler(s): *Jeff Monroe*

Phone: *428-6446* Fax: _____

Email Address: *jbrady@ebsresources.com*

Work Order #: *15-28602*

Analysis Requested: *CHM17 metals*

Global ID (Needed for EDF): *7000000269*

System # (Needed for EDT): _____

EDF Required? Geotracker: Yes No

Send Copy to State of CA? (EDT): Yes No

Client: *E & B Natural Resources* Same as above

Address: _____ State: _____ Zip: _____

City: _____ State: _____ Zip: _____

Attn: _____

PO#: _____

Sample #	Description	Date Sampled	Time Sampled	Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
<i>SW1-d15.0-1</i>	<i>Excavation Sidewalks</i>	<i>11/6/15</i>	<i>13:17</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<i>5 day TAT for all</i>
<i>SW2-d17.5-2</i>			<i>13:18</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW3-d16.0-3</i>			<i>13:25</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW4-d17.5-4</i>			<i>13:26</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>XB1-d19.0-5</i>	<i>Excavation</i>		<i>13:50</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>XB2-d12.5-6</i>	<i>Bottom</i>		<i>13:51</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW5-d18.5-7</i>	<i>Sidewalks</i>		<i>13:34</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW6-d10.5-8</i>			<i>13:35</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW7-d16.0-9</i>			<i>14:57</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW8-d14.5-10</i>			<i>14:53</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW9-d18.5-11</i>			<i>15:03</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW10-d15.0-12</i>			<i>15:04</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW11-d18.0-13</i>			<i>15:29</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>SW12-d11.0-14</i>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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

* Standard Turnaround = 10 work days

1. Relinquished By: _____ Date: *11-9-15* Time: *8:13*

2. Relinquished By: _____ Date: _____ Time: _____

3. Relinquished By: _____ Date: _____ Time: _____

1. Received By: _____ Date: *11/11/15* Time: *08:13*

2. Received By: _____ Date: _____ Time: _____

3. Received By: _____ Date: _____ Time: _____

CHLOR. DISTRIBUTION

SW1 SW2 SW3 SW4 SW5 SW6 SW7 SW8 SW9 SW10 SW11 SW12

SUB-OUT - 10/19/15

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

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Laboratories, Inc.

Chain of Custody Form

Report To: **EgB Natural Resources**
 Client: **EgB Natural Resources**
 Attn: **Jennifer Brady**
 Street Address: **1600 North's Rd**
 City, State, Zip: **Bakersfield 93308**
 Phone: **428-6446** Fax:
 Email Address: **jbrady@egbresources.com**
 Work Order #: **15-28602**

Project #: **GIG Excavation**
 Project Name: **GIG Excavation**
 Sampler(s): **Jeff Munn**

Analysis Requested
 Comments: **RUSH!**
 Page 2 of 2

Sample #	Description	Date Sampled	Time Sampled
S113	d12.5-14 Excavation Sidewalk	11/6/15	16:30
S114	d 7.0 -16		16:20
S115	d 8.5 -17		16:21
S116	d 10.5 -18		16:33
S117	d 16.0 -19		16:34
S118	d 5.0 -20		17:50
S119	d 8.0 -21		17:51
S120	d 5.0 -22		16:48
S121	d 8.5 -23		16:56
S122	d 5.0 -24		16:57
S123	d 8.5 -25		16:58
S124	d 4.0 -26		17:05
XB3	d 11.5 -27 Excavation Bottom		16:35
S125	d 8.0 -28 Sidewalk		17:06

Sample Matrix	Turnaround # of work days	Notes
Soil		5 day TAT for all samples
Sludge		
Drinking Water		
Ground Water		
Waste Water		
Other		

Global ID (Needed for EDF)	EDF Required? Geotracker	Send Copy to State of CA? (EDT)
770000007269	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Global ID (Needed for EDF): **770000007269**
 1. Relinquished By: **[Signature]** Date: **11/9/15** Time: **8:13**
 2. Relinquished By: **[Signature]** Date: **11/15/15** Time: **8:12**
 3. Relinquished By: **[Signature]** Date: **11/15/15** Time: **8:12**

System # (Needed for EDT)
 1. Received By: **[Signature]** Date: **11/15/15** Time: **8:12**
 2. Received By: **[Signature]** Date: **11/15/15** Time: **8:12**
 3. Received By: **[Signature]** Date: **11/15/15** Time: **8:12**

Billing: Same as above
 Client: **EgB 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 1 Of 3

Submission #: 15-28602

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

SHIPPING CONTAINER: Ice Chest None Box Other (Specify) _____

FREE LIQUID: YES NO

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: _____ Container: Soil Sleeve Thermometer ID: 228 Date/Time: 11/9/15 08:15 Analyst Init: Maw

Temperature: (A) 5.0 °C / (C) 5.2 °C

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ⁶										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
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										
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										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE 204	A	A	A	A	A	A	A	A	A	A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: _____

Sample Numbering Completed By: JDL Date/Time: 11-9-15 08:15

A = Actual / C = Corrected

Rev 20 07/24/2015



BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 of 3
 Submission #: 15-28602 JUL 11 2015

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

SHIPPING CONTAINER
 Ice Chest None Box
 Other (Specify) _____

FREE LIQUID
 YES NO

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: _____ Container: soil sleeve Thermometer ID: 228 Date/Time 11/9/15 10:15
 Temperature: (A) 5.0 °C / (C) 5.2 °C Analyst Init MAB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ⁶										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
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										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE <u>X04</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</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: 11-9-15 MAB Rev 20 07/24/2015
 A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 Of 3

Submission #: 15-28602

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

SHIPPING CONTAINER: Ice Chest None Box Other (Specify) _____

FREE LIQUID: YES NO

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: _____ Container: Soil Sleeve Thermometer ID: 228 Date/Time: 11/15/15 10:15 Analyst Init: MAB
 Temperature: (A) 5.0 °C / (C) 5.2 °C

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	7 ₁	7 ₂	7 ₃	7 ₄	7 ₅	7 ₆	7 ₇	7 ₈	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ⁶										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
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										
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										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE x04	A	A	A	A	A	A	A	A		
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: _____

Sample Numbering Completed By: JDL Date/Time: 11-9-15 10:28 Rev 20 07/24/2015

A = Actual / C = Corrected



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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-01	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW1-d5.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:17 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-02	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW2-d7.5 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:18 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-03	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW3-d6.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:25 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-04	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW4-d7.5 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:26 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-05	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: XB1-d9.0 Excavation Bottom Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:50 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): XB Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-06	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: XB2-d12.5 Excavation Bottom Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:51 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): XB Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-07	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW5-d8.5 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:34 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-08	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW6-d10.5 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:34 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-09	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW7-d6.0 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 13:35 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-10	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW8-d4.5 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 14:54 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-11	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW9-d8.5 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 14:53 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-12	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW10-d5.0 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 15:03 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-13	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW11-d8.0 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 15:04 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-14	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW12-d11.0 Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 15:29 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-15	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW13-d12.5 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:30 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-16	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW14-d7.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:20 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-17	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW15-d8.5 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:21 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-18	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW16-d10.5 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:33 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-19	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW17-d6.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:34 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-20	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW18-d5.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 17:50 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-21	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW19-d8.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 17:51 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-22	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 16:48
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW20-d5.0 Excavation Sidewalls	Lab Matrix: Solids
	Sampled By: Jeff Monroe	Sample Type: Soil
		Delivery Work Order:
		Global ID: T10000007269
		Location ID (FieldPoint): SW
		Matrix: SO
		Sample QC Type (SACode): CS
	Cooler ID:	

1528602-23	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 16:56
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW21-d8.5 Excavation Sidewalls	Lab Matrix: Solids
	Sampled By: Jeff Monroe	Sample Type: Soil
		Delivery Work Order:
		Global ID: T10000007269
		Location ID (FieldPoint): SW
		Matrix: SO
		Sample QC Type (SACode): CS
	Cooler ID:	

1528602-24	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 16:57
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW22-d5.0 Excavation Sidewalls	Lab Matrix: Solids
	Sampled By: Jeff Monroe	Sample Type: Soil
		Delivery Work Order:
		Global ID: T10000007269
		Location ID (FieldPoint): SW
		Matrix: SO
		Sample QC Type (SACode): CS
	Cooler ID:	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-25	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW23-d8.5 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:58 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-26	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: SW24-d4.0 Excavation Sidewalls Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 17:05 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): SW Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1528602-27	COC Number: --- Project Number: GIG Excavation Sampling Location: --- Sampling Point: XB3-d11.5 Excavation Bottom Sampled By: Jeff Monroe	Receive Date: 11/09/2015 08:13 Sampling Date: 11/06/2015 16:35 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): XB Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1528602-28

COC Number: ---
Project Number: GIG Excavation
Sampling Location: ---
Sampling Point: SW25-d8.0 Sidewall
Sampled By: Jeff Monroe

Receive Date: 11/09/2015 08:13
Sampling Date: 11/06/2015 17:06
Sample Depth: ---
Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:
Global ID: T10000007269
Location ID (FieldPoint): SW
Matrix: SO
Sample QC Type (SACode): CS
Cooler ID:

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, 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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, 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)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 03:42	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTL 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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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)	84.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	74.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	89.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	74.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	78.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 20:02	VH1	MS-B1	0.983	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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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)	128	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 12:22	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	3.6	mg/kg	10	1.2	EPA-8015B/FFP	ND	J,A52	1
TPH - Motor Oil	19	mg/kg	20	6.5	EPA-8015B/FFP	ND	J	1
Tetracosane (Surrogate)	63.3	%	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	11/10/15	11/11/15 14:56	MWB	GC-13	0.997	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-01	Client Sample Name: GIG Excavation, SW1-d5.0 Excavation Sidewalls, 11/6/2015 1:17:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	250	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.34	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	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.0	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	21	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.24	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	26	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	11/10/15	11/10/15 16:34	ARD	PE-OP3	1	BYK0892
2	EPA-6010B	11/10/15	11/11/15 09:36	ARD	PE-OP3	5	BYK0892
3	EPA-7471A	11/10/15	11/10/15 12:43	MEV	CETAC1	0.992	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-02		Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, 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)	86.5	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 15:57	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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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)	85.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	73.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	91.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	76.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	77.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	71.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 20:27	VH1	MS-B1	0.997	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 14:19	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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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)	67.5	%	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	11/10/15	11/11/15 15:19	MWB	GC-13	1.017	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-02	Client Sample Name: GIG Excavation, SW2-d7.5 Excavation Sidewalls, 11/6/2015 1:18:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.8	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	260	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.33	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.082	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	14	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	5.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.9	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.3	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	0.13	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	15	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.23	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	27	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	11/10/15	11/10/15 16:43	ARD	PE-OP3	0.952	BYK0892
2	EPA-6010B	11/10/15	11/11/15 09:53	ARD	PE-OP3	4.762	BYK0892
3	EPA-7471A	11/10/15	11/10/15 12:46	MEV	CETAC1	0.977	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-03		Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, 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)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	93.4	%	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 04:04	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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)	86.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	76.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	85.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	59.7	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	66.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	68.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 20:52	VH1	MS-B1	0.993	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 13:04	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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)	58.8	%	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	11/10/15	11/11/15 15:41	MWB	GC-13	0.984	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-03	Client Sample Name: GIG Excavation, SW3-d6.0 Excavation Sidewalls, 11/6/2015 1:25:00PM, Jeff Monroe
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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	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	340	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.41	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.076	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	24	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	9.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.9	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	28	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.21	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	31	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	11/10/15	11/10/15 16:44	ARD	PE-OP3	0.926	BYK0892
2	EPA-6010B	11/10/15	11/11/15 09:55	ARD	PE-OP3	4.630	BYK0892
3	EPA-7471A	11/10/15	11/10/15 12:48	MEV	CETAC1	0.992	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
----------------------------------	--

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 16:20	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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)	85.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	75.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	93.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	67.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	68.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	67.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 21:17	VH1	MS-B1	1.003	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 15:43	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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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)	60.0	%	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	11/10/15	11/11/15 16:03	MWB	GC-13	1.017	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-04	Client Sample Name: GIG Excavation, SW4-d7.5 Excavation Sidewalls, 11/6/2015 1:26:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	4.5	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	360	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.40	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	25	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	7.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.5	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	25	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.27	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	34	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	11/10/15	11/10/15 16:52	ARD	PE-OP3	0.990	BYK0892
2	EPA-6010B	11/10/15	11/11/15 09:57	ARD	PE-OP3	4.950	BYK0892
3	EPA-7471A	11/10/15	11/10/15 12:50	MEV	CETAC1	0.977	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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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)	86.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/09/15	11/11/15 16:42	ADC	MS-V2	1	BYK0810

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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)	60.2	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	57.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	75.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	59.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	75.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 21:42	VH1	MS-B1	9.868	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 13:46	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	270	mg/kg	50	6.0	EPA-8015B/FFP	ND	A01,A52	1
TPH - Motor Oil	1100	mg/kg	100	32	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	78.2	%	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	11/10/15	11/12/15 08:57	MWB	GC-13	5.051	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-05	Client Sample Name: GIG Excavation, XB1-d9.0 Excavation Bottom, 11/6/2015 1:50:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	25	1.6	EPA-6010B	500	A07	1
Arsenic	3.8	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	1
Barium	310	mg/kg	2.5	0.90	EPA-6010B	10000	A07	1
Beryllium	0.33	mg/kg	2.5	0.24	EPA-6010B	75	J,A07	1
Cadmium	ND	mg/kg	2.5	0.26	EPA-6010B	100	A07	1
Chromium	18	mg/kg	2.5	0.25	EPA-6010B	2500	A07	1
Cobalt	6.2	mg/kg	12	0.49	EPA-6010B	8000	J,A07	1
Copper	9.8	mg/kg	5.0	0.25	EPA-6010B	2500	A07	1
Lead	6.0	mg/kg	12	1.4	EPA-6010B	1000	J,A07	1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.27	mg/kg	12	0.25	EPA-6010B	3500	J,A07	1
Nickel	19	mg/kg	2.5	0.75	EPA-6010B	2000	A07	1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	1
Silver	ND	mg/kg	2.5	0.34	EPA-6010B	500	A07	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	1
Vanadium	28	mg/kg	2.5	0.55	EPA-6010B	2400	A07	1
Zinc	28	mg/kg	12	0.44	EPA-6010B	5000	A07	1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	11/10/15	11/11/15 09:58	ARD	PE-OP3	4.902	BYK0892
2	EPA-7471A	11/10/15	11/10/15 12:56	MEV	CETAC1	0.992	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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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	0.027	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.078	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-06		Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, 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	0.035	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	0.0074	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	0.031	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	0.0074	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	0.0048	mg/kg	0.010	0.0034	EPA-8260B		J	1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	0.0035	mg/kg	0.0050	0.0012	EPA-8260B		J	1
1,2-Dichloroethane-d4 (Surrogate)	89.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	92.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	126	%	74 - 121 (LCL - UCL)		EPA-8260B		S09	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/09/15	11/11/15 17:05	ADC	MS-V2	1	BYK0810

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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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)	69.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	87.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	72.0	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	64.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	79.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 22:07	VH1	MS-B1	9.661	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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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)	118	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 14:07	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	77	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01,A52	1
TPH - Motor Oil	440	mg/kg	40	13	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	68.6	%	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	11/10/15	11/12/15 09:20	MWB	GC-13	1.993	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-06	Client Sample Name: GIG Excavation, XB2-d12.5 Excavation Bottom, 11/6/2015 1:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	ND	mg/kg	5.0	2.0	EPA-6010B	500	A07	2
Barium	110	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.12	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	6.8	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	2.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	3.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	3.2	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	0.093	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	6.1	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	14	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	11	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	11/10/15	11/10/15 16:57	ARD	PE-OP3	0.952	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:00	ARD	PE-OP3	4.762	BYK0892
3	EPA-7471A	11/10/15	11/10/15 12:59	MEV	CETAC1	0.962	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	0.023	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.065	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-07		Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, 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	0.029	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	0.0016	mg/kg	0.0050	0.0013	EPA-8260B		J	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	0.0069	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	0.026	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	0.0064	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	0.0042	mg/kg	0.010	0.0034	EPA-8260B		J	1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	0.0029	mg/kg	0.0050	0.0012	EPA-8260B		J	1
1,2-Dichloroethane-d4 (Surrogate)	88.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	87.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	120	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/09/15	11/11/15 17:27	ADC	MS-V2	1	BYK0810

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTL 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	11	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	0.87	mg/kg	1.0	0.18	EPA-8270C		J,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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	13	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)	71.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	66.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	108	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	68.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	69.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 22:32	VH1	MS-B1	9.932	BYK1054

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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	160	mg/kg	20	5.6	EPA-8015B	ND	A01	1
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/13/15	11/13/15 17:05	AKM	GC-V8	20	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	6600	mg/kg	500	60	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	7300	mg/kg	1000	320	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	11/10/15	11/12/15 09:43	MWB	GC-13	50.167	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	6.2	mg/kg	5.0	2.0	EPA-6010B	500	A07	2
Barium	290	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	0.061	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	7.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.3	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	22	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.23	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	28	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	11/10/15	11/10/15 16:58	ARD	PE-OP3	0.926	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:02	ARD	PE-OP3	4.630	BYK0892
3	EPA-7471A	11/10/15	11/10/15 13:01	MEV	CETAC1	1.025	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	0.0013	mg/kg	0.0050	0.0013	EPA-8260B		J	1
Methylene chloride	ND	mg/kg	0.25	0.060	EPA-8260B		A10	2
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)	83.5	%	70 - 121 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	87.7	%	70 - 121 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.7	%	81 - 117 (LCL - UCL)		EPA-8260B			2

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
4-Bromofluorobenzene (Surrogate)	92.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.0	%	74 - 121 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 17:50	ADC	MS-V2	1	BYK0980
2	EPA-8260B	11/10/15	11/16/15 11:11	ADC	MS-V2	25	BYK0980

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Reported: 11/17/2015 17:38
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Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	0.18	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	0.27	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)	102	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	92.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	110	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	85.9	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	90.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	86.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 22:57	VH1	MS-B1	0.990	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	1.7	mg/kg	1.0	0.28	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	140	%	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	11/13/15	11/13/15 14:16	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	190	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	240	mg/kg	40	13	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	77.3	%	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	11/10/15	11/12/15 11:10	MWB	GC-13	2.007	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-08	Client Sample Name: GIG Excavation, SW6-d10.5 Sidewalls, 11/6/2015 1:34:00PM, Jeff Monroe
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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	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	310	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.33	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.067	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.7	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.2	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	21	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.23	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	28	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	11/10/15	11/10/15 16:59	ARD	PE-OP3	0.917	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:03	ARD	PE-OP3	4.587	BYK0892
3	EPA-7471A	11/10/15	11/10/15 13:03	MEV	CETAC1	0.962	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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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)	87.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 18:12	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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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)	79.8	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	78.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	61.6	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	65.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	61.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 23:22	VH1	MS-B1	10.034	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 19:14	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	70	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01,A52	1
TPH - Motor Oil	410	mg/kg	40	13	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	69.0	%	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	11/10/15	11/12/15 10:06	MWB	GC-13	2.020	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-09	Client Sample Name: GIG Excavation, SW7-d6.0 Sidewalls, 11/6/2015 1:35:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.5	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	310	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	17	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.5	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	20	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.13	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	24	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	11/10/15	11/10/15 17:01	ARD	PE-OP3	0.952	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:05	ARD	PE-OP3	4.762	BYK0892
3	EPA-7471A	11/10/15	11/10/15 13:05	MEV	CETAC1	1.025	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-10		Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, 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)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 05:12	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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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)	93.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	78.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	101	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	62.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	72.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/12/15 23:47	VH1	MS-B1	0.993	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 20:46	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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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)	53.1	%	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	11/10/15	11/11/15 16:26	MWB	GC-13	0.987	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-10	Client Sample Name: GIG Excavation, SW8-d4.5 Sidewalls, 11/6/2015 2:54:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.4	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	240	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.38	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	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	7.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.2	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	25	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.22	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	29	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	11/10/15	11/10/15 17:02	ARD	PE-OP3	0.971	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:07	ARD	PE-OP3	4.854	BYK0892
3	EPA-7471A	11/10/15	11/10/15 13:07	MEV	CETAC1	0.962	BYK0919

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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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)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 05:35	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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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)	85.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	77.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	86.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	54.1	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	76.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	61.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 00:12	VH1	MS-B1	0.990	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 22:31	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	19	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	110	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	73.5	%	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	11/10/15	11/12/15 11:33	MWB	GC-13	0.984	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-11	Client Sample Name: GIG Excavation, SW9-d8.5 Sidewalls, 11/6/2015 2:53:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	4.2	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	440	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.47	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.063	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	25	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	9.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	9.1	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	30	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.28	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	34	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		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	11/10/15	11/10/15 17:03	ARD	PE-OP3	0.990	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:08	ARD	PE-OP3	4.950	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:13	MEV	CETAC1	1.008	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-12		Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, 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)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 05:58	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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)	79.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	73.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	92.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	61.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	60.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	70.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 00:37	VH1	MS-B1	1.014	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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)	128	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/09/15 22:52	AKM	GC-V8	1	BYK0303

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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)	64.9	%	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	11/10/15	11/11/15 16:49	MWB	GC-13	1.010	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-12	Client Sample Name: GIG Excavation, SW10-d5.0 Sidewalls, 11/6/2015 3:03:00PM, Jeff Monroe
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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	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	270	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	18	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.5	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	23	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.13	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	27	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	11/10/15	11/10/15 17:05	ARD	PE-OP3	1	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:13	ARD	PE-OP3	5	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:24	MEV	CETAC1	0.962	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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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	0.0018	mg/kg	0.0050	0.0012	EPA-8260B		J	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-13		Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, 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)	89.6	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.6	%	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/12/15 13:13	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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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)	81.3	%	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	88.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.8	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	69.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	72.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 01:02	VH1	MS-B1	1.017	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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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)	142	%	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	11/12/15	11/12/15 15:22	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	7.2	mg/kg	10	1.2	EPA-8015B/FFP	ND	J,A52	1
TPH - Motor Oil	14	mg/kg	20	6.5	EPA-8015B/FFP	ND	J	1
Tetracosane (Surrogate)	65.5	%	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	11/10/15	11/11/15 18:42	MWB	GC-13	1.014	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-13	Client Sample Name: GIG Excavation, SW11-d8.0 Sidewalls, 11/6/2015 3:04:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	5.3	mg/kg	5.0	2.0	EPA-6010B	500	A07	2
Barium	280	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.40	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.094	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	22	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.6	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	22	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.23	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	32	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	11/10/15	11/10/15 17:13	ARD	PE-OP3	0.935	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:15	ARD	PE-OP3	4.673	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:26	MEV	CETAC1	0.977	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe
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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	0.0068	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.024	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.0053	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe
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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	0.0039	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	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	0.0016	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	0.0017	mg/kg	0.0050	0.0013	EPA-8260B		J	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)	88.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	89.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 18:57	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, 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	1.7	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe
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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	3.6	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)	48.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	58.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	87.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	60.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	53.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	74.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 01:27	VH1	MS-B1	10	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	35	mg/kg	5.0	1.4	EPA-8015B	ND	A01	1
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 17:29	AKM	GC-V8	5	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	2500	mg/kg	250	30	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	2600	mg/kg	500	160	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	0	%	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	11/10/15	11/12/15 11:56	MWB	GC-13	25.084	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-14	Client Sample Name: GIG Excavation, SW12-d11.0 Sidewalls, 11/6/2015 3:29:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.5	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	270	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	22	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	7.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.4	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	24	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.14	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	33	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	11/10/15	11/10/15 17:14	ARD	PE-OP3	0.952	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:17	ARD	PE-OP3	4.762	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:28	MEV	CETAC1	1.008	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, Jeff Monroe
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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)	88.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 19:20	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, Jeff Monroe
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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)	80.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	78.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, 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)	46.9	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	61.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	65.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 01:51	VH1	MS-B1	0.983	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, 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)	142	%	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	11/12/15	11/12/15 14:40	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-15	Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, Jeff Monroe
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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)	69.8	%	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	11/10/15	11/11/15 17:57	MWB	GC-13	1.010	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-15		Client Sample Name: GIG Excavation, SW13-d12.5 Excavation Sidewalls, 11/6/2015 4:30:00PM, 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	5.3	mg/kg	5.0	2.0	EPA-6010B	500	A07	2
Barium	300	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.11	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	26	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	8.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.5	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	28	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.22	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	35	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	11/10/15	11/10/15 17:16	ARD	PE-OP3	0.935	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:18	ARD	PE-OP3	4.673	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:34	MEV	CETAC1	0.962	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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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)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/11/15 06:22	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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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)	54.8	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	49.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	70.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.7	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	50.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	77.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 02:16	VH1	MS-B1	10	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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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)	118	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/10/15 00:16	AKM	GC-V8	1	BYK0820

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	390	mg/kg	100	12	EPA-8015B/FFP	ND	A01,A52	1
TPH - Motor Oil	2200	mg/kg	200	65	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	71.5	%	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	11/10/15	11/12/15 12:20	MWB	GC-13	9.967	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
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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	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	220	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.065	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	15	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	5.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.0	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	16	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.14	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	24	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	11/10/15	11/10/15 17:27	ARD	PE-OP3	0.935	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:20	ARD	PE-OP3	4.673	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:37	MEV	CETAC1	1.008	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-17		Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, 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)	91.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/12/15 02:27	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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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)	56.3	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	65.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	63.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	38.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	69.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 02:41	VH1	MS-B1	9.568	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/10/15 00:37	AKM	GC-V8	1	BYK0820

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	740	mg/kg	100	12	EPA-8015B/FFP	ND	A01,A52	1
TPH - Motor Oil	2200	mg/kg	200	65	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	84.4	%	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	11/10/15	11/12/15 12:42	MWB	GC-13	10.101	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-17	Client Sample Name: GIG Excavation, SW15-d8.5 Excavation Sidewalls, 11/6/2015 4:21:00PM, Jeff Monroe
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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	5.0	2.0	EPA-6010B	500	A07	2
Barium	350	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.069	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	22	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	7.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.0	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	24	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.24	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	31	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	11/10/15	11/10/15 17:28	ARD	PE-OP3	0.971	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:22	ARD	PE-OP3	4.854	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:39	MEV	CETAC1	0.992	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-18		Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, 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)	91.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/12/15 02:49	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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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)	62.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	57.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	65.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	49.5	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	39.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	59.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 03:06	VH1	MS-B1	0.964	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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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)	122	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/10/15 00:58	AKM	GC-V8	1	BYK0820

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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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)	61.7	%	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	11/10/15	11/11/15 19:05	MWB	GC-13	1.003	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-18	Client Sample Name: GIG Excavation, SW16-d10.5 Excavation Sidewalls, 11/6/2015 4:33:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	4.2	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	250	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	0.078	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	17	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.6	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	19	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.24	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	27	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	11/10/15	11/10/15 17:30	ARD	PE-OP3	0.980	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:23	ARD	PE-OP3	4.902	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:41	MEV	CETAC1	1.025	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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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)	97.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/10/15	11/12/15 03:12	ADC	MS-V2	1	BYK0980

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, 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)	53.8	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	56.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	63.0	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	39.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	65.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 03:31	VH1	MS-B1	9.967	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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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)	92.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/10/15 01:19	AKM	GC-V8	1	BYK0820

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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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,A52	1
TPH - Motor Oil	1600	mg/kg	100	32	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	68.5	%	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	11/10/15	11/12/15 13:05	MWB	GC-13	4.967	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-19	Client Sample Name: GIG Excavation, SW17-d6.0 Excavation Sidewalls, 11/6/2015 4:34:00PM, Jeff Monroe
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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	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	320	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	0.075	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	5.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.1	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.5	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	20	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.19	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	29	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	11/10/15	11/10/15 17:31	ARD	PE-OP3	0.926	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:25	ARD	PE-OP3	4.630	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:43	MEV	CETAC1	1.008	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-20		Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, 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)	93.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 03:34	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, 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)	74.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	67.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	75.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	56.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	42.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	54.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/13/15 03:56	VH1	MS-B1	0.990	BYK1054

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/09/15	11/10/15 01:40	AKM	GC-V8	1	BYK0820

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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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)	58.9	%	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	11/10/15	11/11/15 18:19	MWB	GC-13	1	BYK1051

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-20	Client Sample Name: GIG Excavation, SW18-d5.0 Excavation Sidewalls, 11/6/2015 5:50:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.5	mg/kg	5.0	2.0	EPA-6010B	500	J,A07	2
Barium	290	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.34	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	2.5	0.25	EPA-6010B	2500	A07	2
Cobalt	6.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.3	mg/kg	12	1.4	EPA-6010B	1000	J,A07	2
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		3
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	20	mg/kg	2.5	0.75	EPA-6010B	2000	A07	2
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	2
Silver	0.24	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	25	3.2	EPA-6010B	700	A07	2
Vanadium	23	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	26	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	11/10/15	11/10/15 17:32	ARD	PE-OP3	0.962	BYK0892
2	EPA-6010B	11/10/15	11/11/15 10:27	ARD	PE-OP3	4.808	BYK0892
3	EPA-7471A	11/10/15	11/11/15 14:45	MEV	CETAC1	0.992	BYK0923

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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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)	97.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 03:57	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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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)	66.0	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	66.6	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	94.2	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	63.2	%	30 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	65.4	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	67.6	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 16:14	VH1	MS-B1	10.169	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	1.0	mg/kg	1.0	0.28	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	118	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 16:04	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	630	mg/kg	100	12	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	800	mg/kg	200	65	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	69.3	%	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	11/10/15	11/12/15 01:28	MWB	GC-13	9.836	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-21	Client Sample Name: GIG Excavation, SW19-d8.0 Excavation Sidewalls, 11/6/2015 5:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	360	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.52	mg/kg	0.50	0.047	EPA-6010B	75		1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	25	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	7.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.3	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	29	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
Silver	0.21	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	0.87	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	33	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	11/10/15	11/10/15 18:02	ARD	PE-OP3	1	BYK0893
2	EPA-7471A	11/10/15	11/11/15 14:47	MEV	CETAC1	0.992	BYK0923
3	EPA-6010B	11/10/15	11/11/15 10:40	ARD	PE-OP3	5	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-22		Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, 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)	92.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 04:19	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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	2.2	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)	85.1	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	94.2	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	115	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	88.3	%	30 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	95.8	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	101	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 16:39	VH1	MS-B1	9.628	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	3.4	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	11/12/15	11/12/15 16:47	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	2100	mg/kg	250	30	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	2300	mg/kg	500	160	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	11/10/15	11/12/15 14:37	MWB	GC-13	24.752	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-22	Client Sample Name: GIG Excavation, SW20-d5.0 Excavation Sidewalls, 11/6/2015 4:48:00PM, Jeff Monroe
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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	300	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	20	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.8	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	24	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
Silver	0.17	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	0.67	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	28	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	11/10/15	11/10/15 17:42	ARD	PE-OP3	0.971	BYK0893
2	EPA-7471A	11/10/15	11/11/15 14:49	MEV	CETAC1	1.008	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:01	ARD	PE-OP3	4.854	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, 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)	85.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 04:41	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-23		Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, 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)	85.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	81.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	104	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.9	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	85.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	70.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 17:04	VH1	MS-B1	0.997	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe
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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)	97.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/10/15	11/10/15 08:51	AKM	GC-V8	1	BYK0820

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	19	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	42	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	69.7	%	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	11/10/15	11/12/15 00:43	MWB	GC-13	1.010	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-23	Client Sample Name: GIG Excavation, SW21-d8.5 Excavation Sidewalls, 11/6/2015 4:56:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	310	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.057	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	22	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.6	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	25	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
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	32	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	35	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	11/10/15	11/10/15 17:43	ARD	PE-OP3	0.971	BYK0893
2	EPA-7471A	11/10/15	11/11/15 14:52	MEV	CETAC1	1.025	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:03	ARD	PE-OP3	4.854	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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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	0.0022	mg/kg	0.0050	0.0015	EPA-8260B		J	1
sec-Butylbenzene	0.0060	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.0021	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-24		Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, 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	0.0043	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	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	0.0039	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)	87.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 05:04	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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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	1.2	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	0.80	mg/kg	1.0	0.18	EPA-8270C		J,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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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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	1.5	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)	86.0	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	93.4	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	LabQuals	Run #
Nitrobenzene-d5 (Surrogate)	113	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	92.6	%	30 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	92.2	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	100	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 17:29	VH1	MS-B1	10.101	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	41	mg/kg	5.0	1.4	EPA-8015B	ND	A01	1
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 20:39	AKM	GC-V8	5	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	2100	mg/kg	250	30	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	2600	mg/kg	500	160	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	11/10/15	11/12/15 14:59	MWB	GC-13	25.253	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

WET Test (STLC)

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Barium	17	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	11/13/15	11/13/15 16:38	ARD	PE-OP3	1	BYK1366

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-24	Client Sample Name: GIG Excavation, SW22-d5.0 Excavation Sidewalls, 11/6/2015 4:57:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	5.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	1100	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	25	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	7.0	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	10	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.6	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.39	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	5.0	4.9	EPA-6010B	100	A07	3
Silver	0.25	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	26	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	11/10/15	11/10/15 17:45	ARD	PE-OP3	0.952	BYK0893
2	EPA-7471A	11/10/15	11/11/15 14:54	MEV	CETAC1	0.977	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:04	ARD	PE-OP3	4.762	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe
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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	0.0026	mg/kg	0.0050	0.0015	EPA-8260B		J	1
sec-Butylbenzene	0.0057	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.0015	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-25		Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, 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	0.0024	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	ND	mg/kg	0.0050	0.0014	EPA-8260B			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)	88.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	93.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 05:27	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, 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	1.3	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, 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)	75.0	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	74.0	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	102	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	70.2	%	30 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	70.4	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	74.0	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 17:54	VH1	MS-B1	10.135	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	6.3	mg/kg	1.0	0.28	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	128	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 19:57	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	1300	mg/kg	100	12	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	1500	mg/kg	200	65	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	106	%	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	11/10/15	11/12/15 03:21	MWB	GC-13	9.967	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-25	Client Sample Name: GIG Excavation, SW23-d8.5 Excavation Sidewalls, 11/6/2015 4:58:00PM, Jeff Monroe
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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	340	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.43	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	7.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.9	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.1	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	22	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
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	31	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	34	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	11/10/15	11/10/15 17:46	ARD	PE-OP3	0.962	BYK0893
2	EPA-7471A	11/10/15	11/11/15 15:00	MEV	CETAC1	0.977	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:06	ARD	PE-OP3	4.808	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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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	0.010	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.028	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.0084	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-26		Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, 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	0.012	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	0.012	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	0.0012	mg/kg	0.0050	0.0012	EPA-8260B		J	1
1,2-Dichloroethane-d4 (Surrogate)	84.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 05:49	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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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	3.5	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	7.3	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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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	4.6	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)	57.8	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	63.6	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	72.6	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	52.6	%	30 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	63.0	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	59.6	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 18:20	VH1	MS-B1	9.967	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	96	mg/kg	10	2.8	EPA-8015B	ND	A01	1
a,a,a-Trifluorotoluene (FID Surrogate)	92.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/13/15	11/13/15 14:58	AKM	GC-V8	10	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	5800	mg/kg	1000	120	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	3500	mg/kg	2000	650	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	11/10/15	11/13/15 13:35	MWB	GC-13	100.33	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

WET Test (STLC)

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Barium	25	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	11/13/15	11/13/15 16:46	ARD	PE-OP3	1	BYK1366

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-26	Client Sample Name: GIG Excavation, SW24-d4.0 Excavation Sidewalls, 11/6/2015 5:05:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	2000	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.41	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	35	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.7	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.061	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	0.059	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	24	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
Silver	0.25	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	29	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	29	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	11/10/15	11/10/15 17:47	ARD	PE-OP3	0.917	BYK0893
2	EPA-7471A	11/10/15	11/11/15 15:02	MEV	CETAC1	0.977	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:08	ARD	PE-OP3	4.587	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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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	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-27		Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, 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	0.0015	mg/kg	0.0050	0.0013	EPA-8260B		J	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)	86.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 06:12	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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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)	75.4	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	72.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	94.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	75.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	72.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	77.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 18:45	VH1	MS-B1	0.983	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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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)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/12/15	11/12/15 15:01	AKM	GC-V8	1	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	6.3	mg/kg	10	1.2	EPA-8015B/FFP	ND	J	1
TPH - Motor Oil	8.0	mg/kg	20	6.5	EPA-8015B/FFP	ND	J	1
Tetracosane (Surrogate)	67.2	%	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	11/10/15	11/11/15 23:57	MWB	GC-13	0.987	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-27	Client Sample Name: GIG Excavation, XB3-d11.5 Excavation Bottom, 11/6/2015 4:35:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	4.8	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	300	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.41	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.085	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	21	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.1	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	23	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
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	31	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	35	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	11/10/15	11/10/15 17:49	ARD	PE-OP3	0.971	BYK0893
2	EPA-7471A	11/10/15	11/11/15 15:05	MEV	CETAC1	0.962	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:09	ARD	PE-OP3	4.854	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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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	0.012	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.034	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.0093	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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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	0.014	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	0.014	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	0.0020	mg/kg	0.0050	0.0013	EPA-8260B		J	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	0.0013	mg/kg	0.0050	0.0012	EPA-8260B		J	1
1,2-Dichloroethane-d4 (Surrogate)	82.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	92.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/11/15	11/12/15 06:34	ADC	MS-V2	1	BYK1065

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, 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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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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	2.9	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	1.6	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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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	3.5	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)	73.9	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	76.8	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	96.0	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	66.1	%	30 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	81.7	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	86.6	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/10/15	11/11/15 19:10	VH1	MS-B1	9.375	BYK1257

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	53	mg/kg	5.0	1.4	EPA-8015B	ND	A01	1
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	11/13/15	11/13/15 12:30	AKM	GC-V8	5	BYK0985

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	3100	mg/kg	250	30	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	3500	mg/kg	500	160	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	11/10/15	11/12/15 15:45	MWB	GC-13	24.590	BYK1153

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1528602-28	Client Sample Name: GIG Excavation, SW25-d8.0 Sidewall, 11/6/2015 5:06:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	310	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	24	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.9	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	25	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	5.0	4.9	EPA-6010B	100	A07	3
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	31	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	31	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	11/10/15	11/10/15 17:50	ARD	PE-OP3	0.917	BYK0893
2	EPA-7471A	11/10/15	11/11/15 15:07	MEV	CETAC1	0.992	BYK0923
3	EPA-6010B	11/10/15	11/11/15 11:11	ARD	PE-OP3	4.587	BYK0893

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0810						
Benzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYK0810-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYK0810-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYK0810-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYK0810-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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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
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QC Batch ID: BYK0810

trans-1,3-Dichloropropene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYK0810-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYK0810-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYK0810-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYK0810-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYK0810-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYK0810-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BYK0810-BLK1	83.4	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYK0810-BLK1	94.7	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYK0810-BLK1	94.7	%	74 - 121 (LCL - UCL)		

QC Batch ID: BYK0980

Benzene	BYK0980-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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0980						
Bromobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYK0980-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYK0980-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYK0980-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0980						
Ethylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYK0980-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYK0980-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYK0980-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYK0980-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYK0980-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYK0980-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BYK0980-BLK1	89.0	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYK0980-BLK1	96.7	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYK0980-BLK1	95.0	%	74 - 121 (LCL - UCL)		

QC Batch ID: BYK1065						
Benzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	

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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1065						
Bromochloromethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYK1065-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYK1065-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYK1065-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BYK1065-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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1065						
Hexachlorobutadiene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYK1065-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYK1065-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYK1065-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYK1065-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYK1065-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYK1065-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BYK1065-BLK1	85.1	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYK1065-BLK1	96.7	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYK1065-BLK1	94.3	%	74 - 121 (LCL - UCL)		

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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0810										
Benzene	BYK0810-BS1	LCS	0.10631	0.12500	mg/kg	85.0		70 - 130		
Bromodichloromethane	BYK0810-BS1	LCS	0.10902	0.12500	mg/kg	87.2		70 - 130		
Chlorobenzene	BYK0810-BS1	LCS	0.11867	0.12500	mg/kg	94.9		70 - 130		
Chloroethane	BYK0810-BS1	LCS	0.093440	0.12500	mg/kg	74.8		70 - 130		
1,4-Dichlorobenzene	BYK0810-BS1	LCS	0.12314	0.12500	mg/kg	98.5		70 - 130		
1,1-Dichloroethane	BYK0810-BS1	LCS	0.098900	0.12500	mg/kg	79.1		70 - 130		
1,1-Dichloroethene	BYK0810-BS1	LCS	0.10583	0.12500	mg/kg	84.7		70 - 130		
Toluene	BYK0810-BS1	LCS	0.11270	0.12500	mg/kg	90.2		70 - 130		
Trichloroethene	BYK0810-BS1	LCS	0.11066	0.12500	mg/kg	88.5		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYK0810-BS1	LCS	0.042060	0.050000	mg/kg	84.1		70 - 121		
Toluene-d8 (Surrogate)	BYK0810-BS1	LCS	0.047010	0.050000	mg/kg	94.0		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYK0810-BS1	LCS	0.048070	0.050000	mg/kg	96.1		74 - 121		
QC Batch ID: BYK0980										
Benzene	BYK0980-BS1	LCS	0.11645	0.12500	mg/kg	93.2		70 - 130		
Bromodichloromethane	BYK0980-BS1	LCS	0.12012	0.12500	mg/kg	96.1		70 - 130		
Chlorobenzene	BYK0980-BS1	LCS	0.13120	0.12500	mg/kg	105		70 - 130		
Chloroethane	BYK0980-BS1	LCS	0.11095	0.12500	mg/kg	88.8		70 - 130		
1,4-Dichlorobenzene	BYK0980-BS1	LCS	0.13612	0.12500	mg/kg	109		70 - 130		
1,1-Dichloroethane	BYK0980-BS1	LCS	0.10929	0.12500	mg/kg	87.4		70 - 130		
1,1-Dichloroethene	BYK0980-BS1	LCS	0.11574	0.12500	mg/kg	92.6		70 - 130		
Toluene	BYK0980-BS1	LCS	0.12149	0.12500	mg/kg	97.2		70 - 130		
Trichloroethene	BYK0980-BS1	LCS	0.12126	0.12500	mg/kg	97.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYK0980-BS1	LCS	0.043580	0.050000	mg/kg	87.2		70 - 121		
Toluene-d8 (Surrogate)	BYK0980-BS1	LCS	0.048460	0.050000	mg/kg	96.9		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYK0980-BS1	LCS	0.047380	0.050000	mg/kg	94.8		74 - 121		
QC Batch ID: BYK1065										
Benzene	BYK1065-BS1	LCS	0.11700	0.12500	mg/kg	93.6		70 - 130		
Bromodichloromethane	BYK1065-BS1	LCS	0.11633	0.12500	mg/kg	93.1		70 - 130		
Chlorobenzene	BYK1065-BS1	LCS	0.13294	0.12500	mg/kg	106		70 - 130		
Chloroethane	BYK1065-BS1	LCS	0.10962	0.12500	mg/kg	87.7		70 - 130		
1,4-Dichlorobenzene	BYK1065-BS1	LCS	0.13502	0.12500	mg/kg	108		70 - 130		
1,1-Dichloroethane	BYK1065-BS1	LCS	0.11067	0.12500	mg/kg	88.5		70 - 130		
1,1-Dichloroethene	BYK1065-BS1	LCS	0.11979	0.12500	mg/kg	95.8		70 - 130		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1065										
Toluene	BYK1065-BS1	LCS	0.12149	0.12500	mg/kg	97.2		70 - 130		
Trichloroethene	BYK1065-BS1	LCS	0.11942	0.12500	mg/kg	95.5		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYK1065-BS1	LCS	0.042540	0.050000	mg/kg	85.1		70 - 121		
Toluene-d8 (Surrogate)	BYK1065-BS1	LCS	0.046800	0.050000	mg/kg	93.6		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYK1065-BS1	LCS	0.046540	0.050000	mg/kg	93.1		74 - 121		

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Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0810		Used client sample: N								
Benzene	MS	1524843-97	ND	0.11189	0.12500	mg/kg		89.5		70 - 130
	MSD	1524843-97	ND	0.10700	0.12500	mg/kg	4.5	85.6	20	70 - 130
Bromodichloromethane	MS	1524843-97	ND	0.11434	0.12500	mg/kg		91.5		70 - 130
	MSD	1524843-97	ND	0.11030	0.12500	mg/kg	3.6	88.2	20	70 - 130
Chlorobenzene	MS	1524843-97	ND	0.12803	0.12500	mg/kg		102		70 - 130
	MSD	1524843-97	ND	0.11679	0.12500	mg/kg	9.2	93.4	20	70 - 130
Chloroethane	MS	1524843-97	ND	0.096960	0.12500	mg/kg		77.6		70 - 130
	MSD	1524843-97	ND	0.092280	0.12500	mg/kg	4.9	73.8	20	70 - 130
1,4-Dichlorobenzene	MS	1524843-97	ND	0.12952	0.12500	mg/kg		104		70 - 130
	MSD	1524843-97	ND	0.12606	0.12500	mg/kg	2.7	101	20	70 - 130
1,1-Dichloroethane	MS	1524843-97	ND	0.10351	0.12500	mg/kg		82.8		70 - 130
	MSD	1524843-97	ND	0.096360	0.12500	mg/kg	7.2	77.1	20	70 - 130
1,1-Dichloroethene	MS	1524843-97	ND	0.11145	0.12500	mg/kg		89.2		70 - 130
	MSD	1524843-97	ND	0.10327	0.12500	mg/kg	7.6	82.6	20	70 - 130
Toluene	MS	1524843-97	ND	0.12137	0.12500	mg/kg		97.1		70 - 130
	MSD	1524843-97	ND	0.11642	0.12500	mg/kg	4.2	93.1	20	70 - 130
Trichloroethene	MS	1524843-97	ND	0.11907	0.12500	mg/kg		95.3		70 - 130
	MSD	1524843-97	ND	0.11170	0.12500	mg/kg	6.4	89.4	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1524843-97	ND	0.040840	0.050000	mg/kg		81.7		70 - 121
	MSD	1524843-97	ND	0.043130	0.050000	mg/kg	5.5	86.3		70 - 121
Toluene-d8 (Surrogate)	MS	1524843-97	ND	0.047180	0.050000	mg/kg		94.4		81 - 117
	MSD	1524843-97	ND	0.049020	0.050000	mg/kg	3.8	98.0		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1524843-97	ND	0.046560	0.050000	mg/kg		93.1		74 - 121
	MSD	1524843-97	ND	0.047840	0.050000	mg/kg	2.7	95.7		74 - 121
QC Batch ID: BYK0980		Used client sample: N								
Benzene	MS	1524843-98	ND	0.11641	0.12500	mg/kg		93.1		70 - 130
	MSD	1524843-98	ND	0.11549	0.12500	mg/kg	0.8	92.4	20	70 - 130
Bromodichloromethane	MS	1524843-98	ND	0.11646	0.12500	mg/kg		93.2		70 - 130
	MSD	1524843-98	ND	0.11726	0.12500	mg/kg	0.7	93.8	20	70 - 130
Chlorobenzene	MS	1524843-98	ND	0.12933	0.12500	mg/kg		103		70 - 130
	MSD	1524843-98	ND	0.12721	0.12500	mg/kg	1.7	102	20	70 - 130
Chloroethane	MS	1524843-98	ND	0.11311	0.12500	mg/kg		90.5		70 - 130
	MSD	1524843-98	ND	0.11354	0.12500	mg/kg	0.4	90.8	20	70 - 130
1,4-Dichlorobenzene	MS	1524843-98	ND	0.13656	0.12500	mg/kg		109		70 - 130
	MSD	1524843-98	ND	0.13181	0.12500	mg/kg	3.5	105	20	70 - 130
1,1-Dichloroethane	MS	1524843-98	ND	0.11117	0.12500	mg/kg		88.9		70 - 130
	MSD	1524843-98	ND	0.11191	0.12500	mg/kg	0.7	89.5	20	70 - 130

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0980		Used client sample: N								
1,1-Dichloroethene	MS	1524843-98	ND	0.11987	0.12500	mg/kg		95.9		70 - 130
	MSD	1524843-98	ND	0.12038	0.12500	mg/kg	0.4	96.3	20	70 - 130
Toluene	MS	1524843-98	ND	0.12002	0.12500	mg/kg		96.0		70 - 130
	MSD	1524843-98	ND	0.11758	0.12500	mg/kg	2.1	94.1	20	70 - 130
Trichloroethene	MS	1524843-98	ND	0.11955	0.12500	mg/kg		95.6		70 - 130
	MSD	1524843-98	ND	0.11785	0.12500	mg/kg	1.4	94.3	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1524843-98	ND	0.045010	0.050000	mg/kg		90.0		70 - 121
	MSD	1524843-98	ND	0.046230	0.050000	mg/kg	2.7	92.5		70 - 121
Toluene-d8 (Surrogate)	MS	1524843-98	ND	0.047070	0.050000	mg/kg		94.1		81 - 117
	MSD	1524843-98	ND	0.046730	0.050000	mg/kg	0.7	93.5		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1524843-98	ND	0.048830	0.050000	mg/kg		97.7		74 - 121
	MSD	1524843-98	ND	0.049230	0.050000	mg/kg	0.8	98.5		74 - 121
QC Batch ID: BYK1065		Used client sample: N								
Benzene	MS	1524843-99	ND	0.10954	0.12500	mg/kg		87.6		70 - 130
	MSD	1524843-99	ND	0.11188	0.12500	mg/kg	2.1	89.5	20	70 - 130
Bromodichloromethane	MS	1524843-99	ND	0.10938	0.12500	mg/kg		87.5		70 - 130
	MSD	1524843-99	ND	0.11467	0.12500	mg/kg	4.7	91.7	20	70 - 130
Chlorobenzene	MS	1524843-99	ND	0.12243	0.12500	mg/kg		97.9		70 - 130
	MSD	1524843-99	ND	0.12290	0.12500	mg/kg	0.4	98.3	20	70 - 130
Chloroethane	MS	1524843-99	ND	0.10781	0.12500	mg/kg		86.2		70 - 130
	MSD	1524843-99	ND	0.10567	0.12500	mg/kg	2.0	84.5	20	70 - 130
1,4-Dichlorobenzene	MS	1524843-99	ND	0.12794	0.12500	mg/kg		102		70 - 130
	MSD	1524843-99	ND	0.12712	0.12500	mg/kg	0.6	102	20	70 - 130
1,1-Dichloroethane	MS	1524843-99	ND	0.10396	0.12500	mg/kg		83.2		70 - 130
	MSD	1524843-99	ND	0.10594	0.12500	mg/kg	1.9	84.8	20	70 - 130
1,1-Dichloroethene	MS	1524843-99	ND	0.11539	0.12500	mg/kg		92.3		70 - 130
	MSD	1524843-99	ND	0.11502	0.12500	mg/kg	0.3	92.0	20	70 - 130
Toluene	MS	1524843-99	ND	0.11218	0.12500	mg/kg		89.7		70 - 130
	MSD	1524843-99	ND	0.11952	0.12500	mg/kg	6.3	95.6	20	70 - 130
Trichloroethene	MS	1524843-99	ND	0.11261	0.12500	mg/kg		90.1		70 - 130
	MSD	1524843-99	ND	0.11639	0.12500	mg/kg	3.3	93.1	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1524843-99	ND	0.043170	0.050000	mg/kg		86.3		70 - 121
	MSD	1524843-99	ND	0.043670	0.050000	mg/kg	1.2	87.3		70 - 121
Toluene-d8 (Surrogate)	MS	1524843-99	ND	0.048170	0.050000	mg/kg		96.3		81 - 117
	MSD	1524843-99	ND	0.048790	0.050000	mg/kg	1.3	97.6		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1524843-99	ND	0.047650	0.050000	mg/kg		95.3		74 - 121
	MSD	1524843-99	ND	0.047910	0.050000	mg/kg	0.5	95.8		74 - 121

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1054						
Acenaphthene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BYK1054-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BYK1054-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BYK1054-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BYK1054-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BYK1054-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BYK1054-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BYK1054-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BYK1054-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BYK1054-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BYK1054-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BYK1054-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BYK1054-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BYK1054-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BYK1054-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BYK1054-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BYK1054-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BYK1054-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BYK1054-BLK1	ND	mg/kg	0.10	0.021	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1054						
1,4-Dichlorobenzene	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BYK1054-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BYK1054-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BYK1054-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BYK1054-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BYK1054-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BYK1054-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BYK1054-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BYK1054-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BYK1054-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BYK1054-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BYK1054-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BYK1054-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BYK1054-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BYK1054-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BYK1054-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BYK1054-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BYK1054-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BYK1054-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BYK1054-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BYK1054-BLK1	ND	mg/kg	0.10	0.021	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1054						
N-Nitrosodiphenylamine	BYK1054-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BYK1054-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BYK1054-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BYK1054-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BYK1054-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BYK1054-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BYK1054-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BYK1054-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BYK1054-BLK1	ND	mg/kg	0.20	0.033	
Total Methylphenol	BYK1054-BLK1	ND	mg/kg	0.20	0.047	
2-Nitrophenol	BYK1054-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BYK1054-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BYK1054-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BYK1054-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BYK1054-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BYK1054-BLK1	ND	mg/kg	0.20	0.017	
PCB-1232	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1268	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1262	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1260	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1254	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1242	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1221	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1016	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
PCB-1248	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
Total PCB's (Summation)	BYK1054-BLK1	ND	mg/kg	2.0	1.0	
2-Fluorophenol (Surrogate)	BYK1054-BLK1	90.4	%	20 - 130 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYK1054-BLK1	87.3	%	30 - 130 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BYK1054-BLK1	102	%	30 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYK1054-BLK1	84.5	%	30 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYK1054-BLK1	74.3	%	20 - 150 (LCL - UCL)		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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
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QC Batch ID: BYK1054

p-Terphenyl-d14 (Surrogate)	BYK1054-BLK1	85.8	%	30 - 150 (LCL - UCL)		
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QC Batch ID: BYK1257

Acenaphthene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BYK1257-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BYK1257-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BYK1257-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BYK1257-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BYK1257-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BYK1257-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BYK1257-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BYK1257-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BYK1257-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BYK1257-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BYK1257-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BYK1257-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BYK1257-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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1257						
Dibenzofuran	BYK1257-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BYK1257-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
1,4-Dichlorobenzene	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BYK1257-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BYK1257-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BYK1257-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BYK1257-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BYK1257-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BYK1257-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BYK1257-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BYK1257-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BYK1257-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BYK1257-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BYK1257-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BYK1257-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BYK1257-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BYK1257-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BYK1257-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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1257						
Nitrobenzene	BYK1257-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BYK1257-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
N-Nitrosodiphenylamine	BYK1257-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BYK1257-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BYK1257-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BYK1257-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BYK1257-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BYK1257-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BYK1257-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BYK1257-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BYK1257-BLK1	ND	mg/kg	0.20	0.033	
Total Methylphenol	BYK1257-BLK1	ND	mg/kg	0.20	0.047	
2-Nitrophenol	BYK1257-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BYK1257-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BYK1257-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BYK1257-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BYK1257-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BYK1257-BLK1	ND	mg/kg	0.20	0.017	
PCB-1232	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1268	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1262	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1260	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1254	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1242	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1221	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1016	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
PCB-1248	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
Total PCB's (Summation)	BYK1257-BLK1	ND	mg/kg	2.0	1.0	
2-Fluorophenol (Surrogate)	BYK1257-BLK1	101	%	20 - 130 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYK1257-BLK1	90.6	%	30 - 130 (LCL - UCL)		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1257						
Nitrobenzene-d5 (Surrogate)	BYK1257-BLK1	122	%	30 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYK1257-BLK1	110	%	30 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYK1257-BLK1	100	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BYK1257-BLK1	103	%	30 - 150 (LCL - UCL)		

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1600 Norris Road
Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1054										
Acenaphthene	BYK1054-BS1	LCS	1.8696	1.6892	mg/kg	111		50 - 130		
1,4-Dichlorobenzene	BYK1054-BS1	LCS	1.5922	1.6892	mg/kg	94.3		50 - 130		
2,4-Dinitrotoluene	BYK1054-BS1	LCS	1.7114	1.6892	mg/kg	101		50 - 130		
Hexachlorobenzene	BYK1054-BS1	LCS	1.8110	1.6892	mg/kg	107		40 - 130		
Hexachlorobutadiene	BYK1054-BS1	LCS	1.5283	1.6892	mg/kg	90.5		50 - 130		
Hexachloroethane	BYK1054-BS1	LCS	1.3144	1.6892	mg/kg	77.8		50 - 130		
Nitrobenzene	BYK1054-BS1	LCS	1.6590	1.6892	mg/kg	98.2		50 - 130		
N-Nitrosodi-N-propylamine	BYK1054-BS1	LCS	1.6501	1.6892	mg/kg	97.7		40 - 120		
Pyrene	BYK1054-BS1	LCS	1.8931	1.6892	mg/kg	112		40 - 150		
1,2,4-Trichlorobenzene	BYK1054-BS1	LCS	1.6067	1.6892	mg/kg	95.1		50 - 120		
4-Chloro-3-methylphenol	BYK1054-BS1	LCS	1.7743	1.6892	mg/kg	105		50 - 130		
2-Chlorophenol	BYK1054-BS1	LCS	1.4313	1.6892	mg/kg	84.7		50 - 130		
2-Methylphenol	BYK1054-BS1	LCS	1.5226	1.6892	mg/kg	90.1		50 - 130		
3- & 4-Methylphenol	BYK1054-BS1	LCS	3.4081	3.3784	mg/kg	101		50 - 130		
4-Nitrophenol	BYK1054-BS1	LCS	2.0891	1.6892	mg/kg	124		30 - 130		
Pentachlorophenol	BYK1054-BS1	LCS	1.7802	1.6892	mg/kg	105		20 - 130		
Phenol	BYK1054-BS1	LCS	1.4852	1.6892	mg/kg	87.9		40 - 120		
2,4,6-Trichlorophenol	BYK1054-BS1	LCS	1.7263	1.6892	mg/kg	102		50 - 130		
2-Fluorophenol (Surrogate)	BYK1054-BS1	LCS	1.3952	1.6892	mg/kg	82.6		20 - 130		
Phenol-d5 (Surrogate)	BYK1054-BS1	LCS	1.3213	1.6892	mg/kg	78.2		30 - 130		
Nitrobenzene-d5 (Surrogate)	BYK1054-BS1	LCS	1.4846	1.6892	mg/kg	87.9		30 - 130		
2-Fluorobiphenyl (Surrogate)	BYK1054-BS1	LCS	1.5654	1.6892	mg/kg	92.7		30 - 140		
2,4,6-Tribromophenol (Surrogate)	BYK1054-BS1	LCS	1.5230	1.6892	mg/kg	90.2		20 - 150		
p-Terphenyl-d14 (Surrogate)	BYK1054-BS1	LCS	0.74493	0.84459	mg/kg	88.2		30 - 150		
QC Batch ID: BYK1257										
Acenaphthene	BYK1257-BS1	LCS	1.6977	1.6447	mg/kg	103		50 - 130		
1,4-Dichlorobenzene	BYK1257-BS1	LCS	1.5944	1.6447	mg/kg	96.9		50 - 130		
2,4-Dinitrotoluene	BYK1257-BS1	LCS	1.7368	1.6447	mg/kg	106		50 - 130		
Hexachlorobenzene	BYK1257-BS1	LCS	1.7500	1.6447	mg/kg	106		40 - 130		
Hexachlorobutadiene	BYK1257-BS1	LCS	1.8036	1.6447	mg/kg	110		50 - 130		
Hexachloroethane	BYK1257-BS1	LCS	1.6257	1.6447	mg/kg	98.8		50 - 130		
Nitrobenzene	BYK1257-BS1	LCS	1.7220	1.6447	mg/kg	105		50 - 130		
N-Nitrosodi-N-propylamine	BYK1257-BS1	LCS	1.6993	1.6447	mg/kg	103		40 - 120		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1257										
Pyrene	BYK1257-BS1	LCS	1.8931	1.6447	mg/kg	115		40 - 150		
1,2,4-Trichlorobenzene	BYK1257-BS1	LCS	1.7224	1.6447	mg/kg	105		50 - 120		
4-Chloro-3-methylphenol	BYK1257-BS1	LCS	1.9543	1.6447	mg/kg	119		50 - 130		
2-Chlorophenol	BYK1257-BS1	LCS	1.4503	1.6447	mg/kg	88.2		50 - 130		
2-Methylphenol	BYK1257-BS1	LCS	1.4336	1.6447	mg/kg	87.2		50 - 130		
3- & 4-Methylphenol	BYK1257-BS1	LCS	3.0586	3.2895	mg/kg	93.0		50 - 130		
4-Nitrophenol	BYK1257-BS1	LCS	2.0171	1.6447	mg/kg	123		30 - 130		
Pentachlorophenol	BYK1257-BS1	LCS	1.4720	1.6447	mg/kg	89.5		20 - 130		
Phenol	BYK1257-BS1	LCS	1.3720	1.6447	mg/kg	83.4		40 - 120		
2,4,6-Trichlorophenol	BYK1257-BS1	LCS	1.7500	1.6447	mg/kg	106		50 - 130		
2-Fluorophenol (Surrogate)	BYK1257-BS1	LCS	1.3543	1.6447	mg/kg	82.3		20 - 130		
Phenol-d5 (Surrogate)	BYK1257-BS1	LCS	1.2497	1.6447	mg/kg	76.0		30 - 130		
Nitrobenzene-d5 (Surrogate)	BYK1257-BS1	LCS	1.5845	1.6447	mg/kg	96.3		30 - 130		
2-Fluorobiphenyl (Surrogate)	BYK1257-BS1	LCS	1.5438	1.6447	mg/kg	93.9		30 - 140		
2,4,6-Tribromophenol (Surrogate)	BYK1257-BS1	LCS	1.5980	1.6447	mg/kg	97.2		20 - 150		
p-Terphenyl-d14 (Surrogate)	BYK1257-BS1	LCS	0.73849	0.82237	mg/kg	89.8		30 - 150		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1054		Used client sample: N								
Acenaphthene	MS	1524843-12	ND	1.7980	1.6447	mg/kg		109		30 - 140
	MSD	1524843-12	ND	1.9701	1.6556	mg/kg	9.1	119	30	30 - 140
1,4-Dichlorobenzene	MS	1524843-12	ND	1.5905	1.6447	mg/kg		96.7		50 - 130
	MSD	1524843-12	ND	1.7523	1.6556	mg/kg	9.7	106	30	50 - 130
2,4-Dinitrotoluene	MS	1524843-12	ND	1.7673	1.6447	mg/kg		107		50 - 130
	MSD	1524843-12	ND	1.7634	1.6556	mg/kg	0.2	107	30	50 - 130
Hexachlorobenzene	MS	1524843-12	ND	1.8159	1.6447	mg/kg		110		50 - 130
	MSD	1524843-12	ND	1.8721	1.6556	mg/kg	3.0	113	30	50 - 130
Hexachlorobutadiene	MS	1524843-12	ND	1.5114	1.6447	mg/kg		91.9		50 - 130
	MSD	1524843-12	ND	1.5450	1.6556	mg/kg	2.2	93.3	30	50 - 130
Hexachloroethane	MS	1524843-12	ND	1.3860	1.6447	mg/kg		84.3		50 - 130
	MSD	1524843-12	ND	1.5709	1.6556	mg/kg	12.5	94.9	30	50 - 130
Nitrobenzene	MS	1524843-12	ND	1.5733	1.6447	mg/kg		95.7		30 - 120
	MSD	1524843-12	ND	1.6679	1.6556	mg/kg	5.8	101	30	30 - 120
N-Nitrosodi-N-propylamine	MS	1524843-12	ND	1.6188	1.6447	mg/kg		98.4		20 - 130
	MSD	1524843-12	ND	2.0434	1.6556	mg/kg	23.2	123	30	20 - 130
Pyrene	MS	1524843-12	ND	2.0738	1.6447	mg/kg		126		40 - 140
	MSD	1524843-12	ND	2.1771	1.6556	mg/kg	4.9	131	30	40 - 140
1,2,4-Trichlorobenzene	MS	1524843-12	ND	1.6801	1.6447	mg/kg		102		50 - 130
	MSD	1524843-12	ND	1.6829	1.6556	mg/kg	0.2	102	30	50 - 130
4-Chloro-3-methylphenol	MS	1524843-12	ND	1.8523	1.6447	mg/kg		113		50 - 130
	MSD	1524843-12	ND	1.8756	1.6556	mg/kg	1.2	113	30	50 - 130
2-Chlorophenol	MS	1524843-12	ND	1.4440	1.6447	mg/kg		87.8		50 - 130
	MSD	1524843-12	ND	1.5797	1.6556	mg/kg	9.0	95.4	30	50 - 130
2-Methylphenol	MS	1524843-12	ND	1.5140	1.6447	mg/kg		92.1		50 - 130
	MSD	1524843-12	ND	1.5777	1.6556	mg/kg	4.1	95.3	30	50 - 130
3- & 4-Methylphenol	MS	1524843-12	ND	3.3572	3.2895	mg/kg		102		50 - 130
	MSD	1524843-12	ND	3.4822	3.3113	mg/kg	3.7	105	30	50 - 130
4-Nitrophenol	MS	1524843-12	ND	1.9259	1.6447	mg/kg		117		30 - 140
	MSD	1524843-12	ND	2.1089	1.6556	mg/kg	9.1	127	30	30 - 140
Pentachlorophenol	MS	1524843-12	ND	1.7156	1.6447	mg/kg		104		30 - 130
	MSD	1524843-12	ND	1.7374	1.6556	mg/kg	1.3	105	30	30 - 130
Phenol	MS	1524843-12	ND	1.4521	1.6447	mg/kg		88.3		40 - 150
	MSD	1524843-12	ND	1.5813	1.6556	mg/kg	8.5	95.5	30	40 - 150
2,4,6-Trichlorophenol	MS	1524843-12	ND	1.8097	1.6447	mg/kg		110		50 - 130
	MSD	1524843-12	ND	1.8416	1.6556	mg/kg	1.7	111	30	50 - 130

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Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1054		Used client sample: N								
2-Fluorophenol (Surrogate)	MS	1524843-12	ND	1.4326	1.6447	mg/kg		87.1	20 - 130	
	MSD	1524843-12	ND	1.4609	1.6556	mg/kg	2.0	88.2	20 - 130	
Phenol-d5 (Surrogate)	MS	1524843-12	ND	1.3310	1.6447	mg/kg		80.9	30 - 130	
	MSD	1524843-12	ND	1.3652	1.6556	mg/kg	2.5	82.5	30 - 130	
Nitrobenzene-d5 (Surrogate)	MS	1524843-12	ND	1.4870	1.6447	mg/kg		90.4	30 - 130	
	MSD	1524843-12	ND	1.5508	1.6556	mg/kg	4.2	93.7	30 - 130	
2-Fluorobiphenyl (Surrogate)	MS	1524843-12	ND	1.6416	1.6447	mg/kg		99.8	30 - 140	
	MSD	1524843-12	ND	1.5599	1.6556	mg/kg	5.1	94.2	30 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1524843-12	ND	1.4707	1.6447	mg/kg		89.4	20 - 150	
	MSD	1524843-12	ND	1.5622	1.6556	mg/kg	6.0	94.4	20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1524843-12	ND	0.73762	0.82237	mg/kg		89.7	30 - 150	
	MSD	1524843-12	ND	0.79406	0.82781	mg/kg	7.4	95.9	30 - 150	
QC Batch ID: BYK1257		Used client sample: N								
Acenaphthene	MS	1524843-46	ND	1.8409	1.6611	mg/kg		111	30 - 140	
	MSD	1524843-46	ND	1.7001	1.6502	mg/kg	8.0	103	30	30 - 140
1,4-Dichlorobenzene	MS	1524843-46	ND	1.6180	1.6611	mg/kg		97.4	50 - 130	
	MSD	1524843-46	ND	1.5705	1.6502	mg/kg	3.0	95.2	30	50 - 130
2,4-Dinitrotoluene	MS	1524843-46	ND	1.7873	1.6611	mg/kg		108	50 - 130	
	MSD	1524843-46	ND	1.6650	1.6502	mg/kg	7.1	101	30	50 - 130
Hexachlorobenzene	MS	1524843-46	ND	1.9159	1.6611	mg/kg		115	50 - 130	
	MSD	1524843-46	ND	1.9308	1.6502	mg/kg	0.8	117	30	50 - 130
Hexachlorobutadiene	MS	1524843-46	ND	1.9331	1.6611	mg/kg		116	50 - 130	
	MSD	1524843-46	ND	1.8383	1.6502	mg/kg	5.0	111	30	50 - 130
Hexachloroethane	MS	1524843-46	ND	1.6084	1.6611	mg/kg		96.8	50 - 130	
	MSD	1524843-46	ND	1.6561	1.6502	mg/kg	2.9	100	30	50 - 130
Nitrobenzene	MS	1524843-46	ND	1.8492	1.6611	mg/kg		111	30 - 120	
	MSD	1524843-46	ND	1.6789	1.6502	mg/kg	9.7	102	30	30 - 120
N-Nitrosodi-N-propylamine	MS	1524843-46	ND	1.6256	1.6611	mg/kg		97.9	20 - 130	
	MSD	1524843-46	ND	1.6700	1.6502	mg/kg	2.7	101	30	20 - 130
Pyrene	MS	1524843-46	ND	2.0396	1.6611	mg/kg		123	40 - 140	
	MSD	1524843-46	ND	1.9384	1.6502	mg/kg	5.1	117	30	40 - 140
1,2,4-Trichlorobenzene	MS	1524843-46	ND	1.8779	1.6611	mg/kg		113	50 - 130	
	MSD	1524843-46	ND	1.7743	1.6502	mg/kg	5.7	108	30	50 - 130
4-Chloro-3-methylphenol	MS	1524843-46	ND	2.0776	1.6611	mg/kg		125	50 - 130	
	MSD	1524843-46	ND	1.9587	1.6502	mg/kg	5.9	119	30	50 - 130
2-Chlorophenol	MS	1524843-46	ND	1.3931	1.6611	mg/kg		83.9	50 - 130	
	MSD	1524843-46	ND	1.4831	1.6502	mg/kg	6.3	89.9	30	50 - 130

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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	Control Limits			Lab Quals
							RPD	Percent Recovery	Percent Recovery	
QC Batch ID: BYK1257		Used client sample: N								
2-Methylphenol	MS	1524843-46	ND	1.4406	1.6611	mg/kg		86.7		50 - 130
	MSD	1524843-46	ND	1.4612	1.6502	mg/kg	1.4	88.6	30	50 - 130
3- & 4-Methylphenol	MS	1524843-46	ND	3.0449	3.3223	mg/kg		91.7		50 - 130
	MSD	1524843-46	ND	3.1297	3.3003	mg/kg	2.7	94.8	30	50 - 130
4-Nitrophenol	MS	1524843-46	ND	2.2361	1.6611	mg/kg		135		30 - 140
	MSD	1524843-46	ND	1.9485	1.6502	mg/kg	13.7	118	30	30 - 140
Pentachlorophenol	MS	1524843-46	ND	1.7679	1.6611	mg/kg		106		30 - 130
	MSD	1524843-46	ND	1.7191	1.6502	mg/kg	2.8	104	30	30 - 130
Phenol	MS	1524843-46	ND	1.3558	1.6611	mg/kg		81.6		40 - 150
	MSD	1524843-46	ND	1.4305	1.6502	mg/kg	5.4	86.7	30	40 - 150
2,4,6-Trichlorophenol	MS	1524843-46	ND	1.9353	1.6611	mg/kg		117		50 - 130
	MSD	1524843-46	ND	1.9095	1.6502	mg/kg	1.3	116	30	50 - 130
2-Fluorophenol (Surrogate)	MS	1524843-46	ND	1.3434	1.6611	mg/kg		80.9		20 - 130
	MSD	1524843-46	ND	1.3225	1.6502	mg/kg	1.6	80.1		20 - 130
Phenol-d5 (Surrogate)	MS	1524843-46	ND	1.2576	1.6611	mg/kg		75.7		30 - 130
	MSD	1524843-46	ND	1.2493	1.6502	mg/kg	0.7	75.7		30 - 130
Nitrobenzene-d5 (Surrogate)	MS	1524843-46	ND	1.5325	1.6611	mg/kg		92.3		30 - 130
	MSD	1524843-46	ND	1.5721	1.6502	mg/kg	2.6	95.3		30 - 130
2-Fluorobiphenyl (Surrogate)	MS	1524843-46	ND	1.7092	1.6611	mg/kg		103		30 - 140
	MSD	1524843-46	ND	1.5062	1.6502	mg/kg	12.6	91.3		30 - 140
2,4,6-Tribromophenol (Surrogate)	MS	1524843-46	ND	1.8163	1.6611	mg/kg		109		20 - 150
	MSD	1524843-46	ND	1.7315	1.6502	mg/kg	4.8	105		20 - 150
p-Terphenyl-d14 (Surrogate)	MS	1524843-46	ND	0.79479	0.83056	mg/kg		95.7		30 - 150
	MSD	1524843-46	ND	0.79366	0.82508	mg/kg	0.1	96.2		30 - 150

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: 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)		
QC Batch ID: BYK0820						
Gasoline Range Organics (C4 - C12)	BYK0820-BLK1	ND	mg/kg	1.0	0.28	
a,a,a-Trifluorotoluene (FID Surrogate)	BYK0820-BLK1	105	%	70 - 130 (LCL - UCL)		
QC Batch ID: BYK0985						
Gasoline Range Organics (C4 - C12)	BYK0985-BLK1	ND	mg/kg	1.0	0.28	
a,a,a-Trifluorotoluene (FID Surrogate)	BYK0985-BLK1	102	%	70 - 130 (LCL - UCL)		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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
								Percent Recovery	RPD	
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		
QC Batch ID: BYK0820										
Gasoline Range Organics (C4 - C12)	BYK0820-BS1	LCS	4.7300	5.0000	mg/kg	94.6		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BYK0820-BS1	LCS	0.045000	0.040000	mg/kg	112		70 - 130		
QC Batch ID: BYK0985										
Gasoline Range Organics (C4 - C12)	BYK0985-BS1	LCS	5.1830	5.0000	mg/kg	104		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BYK0985-BS1	LCS	0.038000	0.040000	mg/kg	95.0		70 - 130		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: 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	
QC Batch ID: BYK0820		Used client sample: N									
Gasoline Range Organics (C4 - C12)	MS	1524843-82	ND	4.7210	5.0000	mg/kg		94.4		70 - 130	
	MSD	1524843-82	ND	4.6900	5.0000	mg/kg	0.7	93.8	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1524843-82	ND	0.052000	0.040000	mg/kg		130		70 - 130	
	MSD	1524843-82	ND	0.043000	0.040000	mg/kg	18.9	108		70 - 130	
QC Batch ID: BYK0985		Used client sample: N									
Gasoline Range Organics (C4 - C12)	MS	1524843-84	ND	4.9070	5.0000	mg/kg		98.1		70 - 130	
	MSD	1524843-84	ND	4.7490	5.0000	mg/kg	3.3	95.0	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1524843-84	ND	0.041000	0.040000	mg/kg		102		70 - 130	
	MSD	1524843-84	ND	0.040000	0.040000	mg/kg	2.5	100		70 - 130	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1051						
TPH - Diesel (FFP)	BYK1051-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil	BYK1051-BLK1	ND	mg/kg	20	6.5	
Tetracosane (Surrogate)	BYK1051-BLK1	63.4	%	20 - 145 (LCL - UCL)		
QC Batch ID: BYK1153						
TPH - Diesel (FFP)	BYK1153-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil	BYK1153-BLK1	ND	mg/kg	20	6.5	
Tetracosane (Surrogate)	BYK1153-BLK1	76.0	%	20 - 145 (LCL - UCL)		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1051										
TPH - Diesel (FFP)	BYK1051-BS1	LCS	64.619	82.508	mg/kg	78.3		64 - 124		
Tetracosane (Surrogate)	BYK1051-BS1	LCS	2.2363	3.3003	mg/kg	67.8		20 - 145		
QC Batch ID: BYK1153										
TPH - Diesel (FFP)	BYK1153-BS1	LCS	77.007	84.175	mg/kg	91.5		64 - 124		
Tetracosane (Surrogate)	BYK1153-BS1	LCS	2.6237	3.3670	mg/kg	77.9		20 - 145		

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1051		Used client sample: N								
TPH - Diesel (FFP)	MS	1524843-47	ND	63.223	81.967	mg/kg		77.1		52 - 131
	MSD	1524843-47	ND	64.153	81.967	mg/kg	1.5	78.3	30	52 - 131
Tetracosane (Surrogate)	MS	1524843-47	ND	2.1982	3.2787	mg/kg		67.0		20 - 145
	MSD	1524843-47	ND	2.1531	3.2787	mg/kg	2.1	65.7		20 - 145
QC Batch ID: BYK1153		Used client sample: N								
TPH - Diesel (FFP)	MS	1524843-99	ND	74.151	81.967	mg/kg		90.5		52 - 131
	MSD	1524843-99	ND	72.524	83.612	mg/kg	2.2	86.7	30	52 - 131
Tetracosane (Surrogate)	MS	1524843-99	ND	2.5177	3.2787	mg/kg		76.8		20 - 145
	MSD	1524843-99	ND	2.5595	3.3445	mg/kg	1.6	76.5		20 - 145

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1366						
Barium	BYK1366-BLK1	0.041384	mg/L	0.10	0.014	J

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1366										
Barium	BYK1366-BS1	LCS	20.525	20.000	mg/L	103		85	115	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK1366		Used client sample: Y - Description: SW22-d5.0 Excavation Sidewalls, 11/06/2015 16:57								
Barium	DUP	1528602-24	16.875	16.660		mg/L	1.3		20	
	MS	1528602-24	16.875	36.543	20.408	mg/L		96.4		75 - 125
	MSD	1528602-24	16.875	35.073	20.408	mg/L	4.1	89.2	20	75 - 125

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0892						
Antimony	BYK0892-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BYK0892-BLK2	ND	mg/kg	1.0	0.40	
Barium	BYK0892-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BYK0892-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BYK0892-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BYK0892-BLK2	ND	mg/kg	0.50	0.050	
Cobalt	BYK0892-BLK1	ND	mg/kg	2.5	0.098	
Copper	BYK0892-BLK1	ND	mg/kg	1.0	0.050	
Lead	BYK0892-BLK2	ND	mg/kg	2.5	0.28	
Molybdenum	BYK0892-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BYK0892-BLK2	ND	mg/kg	0.50	0.15	
Selenium	BYK0892-BLK2	ND	mg/kg	1.0	0.98	
Silver	BYK0892-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BYK0892-BLK2	ND	mg/kg	5.0	0.64	
Vanadium	BYK0892-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BYK0892-BLK1	ND	mg/kg	2.5	0.087	
QC Batch ID: BYK0893						
Antimony	BYK0893-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BYK0893-BLK1	ND	mg/kg	1.0	0.40	
Barium	BYK0893-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BYK0893-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BYK0893-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BYK0893-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BYK0893-BLK1	ND	mg/kg	2.5	0.098	
Copper	BYK0893-BLK1	0.064001	mg/kg	1.0	0.050	J
Lead	BYK0893-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BYK0893-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BYK0893-BLK1	0.17444	mg/kg	0.50	0.15	J
Selenium	BYK0893-BLK2	ND	mg/kg	1.0	0.98	
Silver	BYK0893-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BYK0893-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BYK0893-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BYK0893-BLK1	0.23572	mg/kg	2.5	0.087	J

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTL)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYK0919						
Mercury	BYK0919-BLK1	ND	mg/kg	0.16	0.036	
QC Batch ID: BYK0923						
Mercury	BYK0923-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: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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: BYK0892										
Antimony	BYK0892-BS1	LCS	102.22	100.00	mg/kg	102		75	125	
Arsenic	BYK0892-BS2	LCS	10.534	10.000	mg/kg	105		75	125	
Barium	BYK0892-BS1	LCS	105.26	100.00	mg/kg	105		75	125	
Beryllium	BYK0892-BS1	LCS	9.2722	10.000	mg/kg	92.7		75	125	
Cadmium	BYK0892-BS1	LCS	9.6372	10.000	mg/kg	96.4		75	125	
Chromium	BYK0892-BS2	LCS	95.349	100.00	mg/kg	95.3		75	125	
Cobalt	BYK0892-BS1	LCS	99.917	100.00	mg/kg	99.9		75	125	
Copper	BYK0892-BS1	LCS	99.386	100.00	mg/kg	99.4		75	125	
Lead	BYK0892-BS2	LCS	95.304	100.00	mg/kg	95.3		75	125	
Molybdenum	BYK0892-BS1	LCS	99.264	100.00	mg/kg	99.3		75	125	
Nickel	BYK0892-BS2	LCS	99.512	100.00	mg/kg	99.5		75	125	
Selenium	BYK0892-BS2	LCS	9.8006	10.000	mg/kg	98.0		75	125	
Silver	BYK0892-BS1	LCS	9.3679	10.000	mg/kg	93.7		75	125	
Thallium	BYK0892-BS2	LCS	106.77	100.00	mg/kg	107		75	125	
Vanadium	BYK0892-BS1	LCS	103.45	100.00	mg/kg	103		75	125	
Zinc	BYK0892-BS1	LCS	100.22	100.00	mg/kg	100		75	125	
QC Batch ID: BYK0893										
Antimony	BYK0893-BS1	LCS	103.28	100.00	mg/kg	103		75	125	
Arsenic	BYK0893-BS1	LCS	10.514	10.000	mg/kg	105		75	125	
Barium	BYK0893-BS1	LCS	105.81	100.00	mg/kg	106		75	125	
Beryllium	BYK0893-BS1	LCS	9.2023	10.000	mg/kg	92.0		75	125	
Cadmium	BYK0893-BS1	LCS	9.7278	10.000	mg/kg	97.3		75	125	
Chromium	BYK0893-BS1	LCS	97.930	100.00	mg/kg	97.9		75	125	
Cobalt	BYK0893-BS1	LCS	99.024	100.00	mg/kg	99.0		75	125	
Copper	BYK0893-BS1	LCS	98.465	100.00	mg/kg	98.5		75	125	
Lead	BYK0893-BS1	LCS	99.999	100.00	mg/kg	100		75	125	
Molybdenum	BYK0893-BS1	LCS	98.322	100.00	mg/kg	98.3		75	125	
Nickel	BYK0893-BS1	LCS	102.77	100.00	mg/kg	103		75	125	
Selenium	BYK0893-BS2	LCS	9.5726	10.000	mg/kg	95.7		75	125	
Silver	BYK0893-BS1	LCS	9.2868	10.000	mg/kg	92.9		75	125	
Thallium	BYK0893-BS1	LCS	112.07	100.00	mg/kg	112		75	125	
Vanadium	BYK0893-BS1	LCS	102.73	100.00	mg/kg	103		75	125	
Zinc	BYK0893-BS1	LCS	98.652	100.00	mg/kg	98.7		75	125	

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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
								Percent Recovery	RPD	
QC Batch ID: BYK0919										
Mercury	BYK0919-BS1	LCS	0.82448	0.80000	mg/kg	103		80 - 120		
QC Batch ID: BYK0923										
Mercury	BYK0923-BS1	LCS	0.85408	0.80000	mg/kg	107		80 - 120		

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Bakersfield, CA 93308

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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	Percent Recovery	
QC Batch ID: BYK0892		Used client sample: Y - Description: SW1-d5.0 Excavation Sidewalls, 11/06/2015 13:17								
Antimony	DUP	1528602-01	ND	ND		mg/kg			20	
	MS	1528602-01	ND	40.843	100.00	mg/kg		40.8	16 - 119	
	MSD	1528602-01	ND	41.115	100.00	mg/kg	0.7	41.1	20	16 - 119
Arsenic	DUP	1528602-01	2.2176	ND		mg/kg			20	
	MS	1528602-01	2.2176	14.962	10.000	mg/kg		127	75 - 125	Q03
	MSD	1528602-01	2.2176	13.847	10.000	mg/kg	7.7	116	20	75 - 125
Barium	DUP	1528602-01	253.34	259.25		mg/kg	2.3		20	
	MS	1528602-01	253.34	373.01	100.00	mg/kg		120	75 - 125	
	MSD	1528602-01	253.34	324.66	100.00	mg/kg	13.9	71.3	20	75 - 125
Beryllium	DUP	1528602-01	0.34223	0.34401		mg/kg	0.5		20	J
	MS	1528602-01	0.34223	8.7595	10.000	mg/kg		84.2	75 - 125	
	MSD	1528602-01	0.34223	8.8377	10.000	mg/kg	0.9	85.0	20	75 - 125
Cadmium	DUP	1528602-01	ND	ND		mg/kg			20	
	MS	1528602-01	ND	8.5984	10.000	mg/kg		86.0	75 - 125	
	MSD	1528602-01	ND	8.5967	10.000	mg/kg	0.0	86.0	20	75 - 125
Chromium	DUP	1528602-01	19.214	19.104		mg/kg	0.6		20	
	MS	1528602-01	19.214	112.12	100.00	mg/kg		92.9	75 - 125	
	MSD	1528602-01	19.214	114.54	100.00	mg/kg	2.1	95.3	20	75 - 125
Cobalt	DUP	1528602-01	6.4203	6.8396		mg/kg	6.3		20	
	MS	1528602-01	6.4203	92.820	100.00	mg/kg		86.4	75 - 125	
	MSD	1528602-01	6.4203	91.120	100.00	mg/kg	1.8	84.7	20	75 - 125
Copper	DUP	1528602-01	7.6427	7.4298		mg/kg	2.8		20	
	MS	1528602-01	7.6427	96.051	100.00	mg/kg		88.4	75 - 125	
	MSD	1528602-01	7.6427	95.816	100.00	mg/kg	0.2	88.2	20	75 - 125
Lead	DUP	1528602-01	5.9740	5.8776		mg/kg	1.6		20	J
	MS	1528602-01	5.9740	104.45	100.00	mg/kg		98.5	75 - 125	
	MSD	1528602-01	5.9740	107.04	100.00	mg/kg	2.4	101	20	75 - 125
Molybdenum	DUP	1528602-01	ND	ND		mg/kg			20	
	MS	1528602-01	ND	80.308	100.00	mg/kg		80.3	75 - 125	
	MSD	1528602-01	ND	79.940	100.00	mg/kg	0.5	79.9	20	75 - 125
Nickel	DUP	1528602-01	21.433	21.484		mg/kg	0.2		20	
	MS	1528602-01	21.433	117.80	100.00	mg/kg		96.4	75 - 125	
	MSD	1528602-01	21.433	120.23	100.00	mg/kg	2.0	98.8	20	75 - 125
Selenium	DUP	1528602-01	ND	ND		mg/kg			20	
	MS	1528602-01	ND	12.212	10.000	mg/kg		122	75 - 125	
	MSD	1528602-01	ND	12.102	10.000	mg/kg	0.9	121	20	75 - 125
Silver	DUP	1528602-01	0.24090	0.091160		mg/kg	90.2		20	J,A02
	MS	1528602-01	0.24090	8.6283	10.000	mg/kg		83.9	75 - 125	
	MSD	1528602-01	0.24090	8.5838	10.000	mg/kg	0.5	83.4	20	75 - 125

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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	Percent Recovery	
QC Batch ID: BYK0892		Used client sample: Y - Description: SW1-d5.0 Excavation Sidewalls, 11/06/2015 13:17								
Thallium	DUP	1528602-01	ND	ND		mg/kg			20	
	MS	1528602-01	ND	101.72	100.00	mg/kg		102		75 - 125
	MSD	1528602-01	ND	105.01	100.00	mg/kg	3.2	105	20	75 - 125
Vanadium	DUP	1528602-01	26.033	26.525		mg/kg	1.9		20	
	MS	1528602-01	26.033	119.88	100.00	mg/kg		93.8		75 - 125
	MSD	1528602-01	26.033	118.04	100.00	mg/kg	1.6	92.0	20	75 - 125
Zinc	DUP	1528602-01	25.903	26.141		mg/kg	0.9		20	
	MS	1528602-01	25.903	112.98	100.00	mg/kg		87.1		75 - 125
	MSD	1528602-01	25.903	112.89	100.00	mg/kg	0.1	87.0	20	75 - 125
QC Batch ID: BYK0893		Used client sample: Y - Description: SW19-d8.0 Excavation Sidewalls, 11/06/2015 17:51								
Antimony	DUP	1528602-21	ND	ND		mg/kg			20	
	MS	1528602-21	ND	39.408	100.00	mg/kg		39.4		16 - 119
	MSD	1528602-21	ND	40.672	100.00	mg/kg	3.2	40.7	20	16 - 119
Arsenic	DUP	1528602-21	2.1630	2.8032		mg/kg	25.8		20	A02
	MS	1528602-21	2.1630	12.487	10.000	mg/kg		103		75 - 125
	MSD	1528602-21	2.1630	12.485	10.000	mg/kg	0.0	103	20	75 - 125
Barium	DUP	1528602-21	355.89	388.49		mg/kg	8.8		20	
	MS	1528602-21	355.89	440.60	100.00	mg/kg		84.7		75 - 125
	MSD	1528602-21	355.89	431.44	100.00	mg/kg	2.1	75.6	20	75 - 125
Beryllium	DUP	1528602-21	0.52489	0.52440		mg/kg	0.1		20	
	MS	1528602-21	0.52489	8.8646	10.000	mg/kg		83.4		75 - 125
	MSD	1528602-21	0.52489	8.9405	10.000	mg/kg	0.9	84.2	20	75 - 125
Cadmium	DUP	1528602-21	ND	ND		mg/kg			20	
	MS	1528602-21	ND	8.5876	10.000	mg/kg		85.9		75 - 125
	MSD	1528602-21	ND	8.5205	10.000	mg/kg	0.8	85.2	20	75 - 125
Chromium	DUP	1528602-21	24.805	24.959		mg/kg	0.6		20	
	MS	1528602-21	24.805	114.83	100.00	mg/kg		90.0		75 - 125
	MSD	1528602-21	24.805	116.19	100.00	mg/kg	1.2	91.4	20	75 - 125
Cobalt	DUP	1528602-21	7.5852	7.2020		mg/kg	5.2		20	
	MS	1528602-21	7.5852	92.575	100.00	mg/kg		85.0		75 - 125
	MSD	1528602-21	7.5852	92.161	100.00	mg/kg	0.4	84.6	20	75 - 125
Copper	DUP	1528602-21	12.209	12.154		mg/kg	0.4		20	
	MS	1528602-21	12.209	101.76	100.00	mg/kg		89.6		75 - 125
	MSD	1528602-21	12.209	102.38	100.00	mg/kg	0.6	90.2	20	75 - 125
Lead	DUP	1528602-21	7.2784	7.0276		mg/kg	3.5		20	
	MS	1528602-21	7.2784	99.495	100.00	mg/kg		92.2		75 - 125
	MSD	1528602-21	7.2784	99.348	100.00	mg/kg	0.1	92.1	20	75 - 125

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

Reported: 11/17/2015 17:38
Project: GIG
Project Number: GIG Excavation
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	Percent Recovery	
QC Batch ID: BYK0893		Used client sample: Y - Description: SW19-d8.0 Excavation Sidewalls, 11/06/2015 17:51								
Molybdenum	DUP	1528602-21	ND	ND		mg/kg			20	
	MS	1528602-21	ND	74.428	100.00	mg/kg		74.4		75 - 125 Q03
	MSD	1528602-21	ND	75.715	100.00	mg/kg	1.7	75.7	20	75 - 125
Nickel	DUP	1528602-21	28.908	28.297		mg/kg	2.1		20	
	MS	1528602-21	28.908	117.75	100.00	mg/kg		88.8		75 - 125
	MSD	1528602-21	28.908	118.19	100.00	mg/kg	0.4	89.3	20	75 - 125
Selenium	DUP	1528602-21	ND	ND		mg/kg			20	
	MS	1528602-21	ND	11.452	10.000	mg/kg		115		75 - 125
	MSD	1528602-21	ND	11.508	10.000	mg/kg	0.5	115	20	75 - 125
Silver	DUP	1528602-21	0.21107	0.21632		mg/kg	2.5		20	J
	MS	1528602-21	0.21107	8.7159	10.000	mg/kg		85.0		75 - 125
	MSD	1528602-21	0.21107	8.6982	10.000	mg/kg	0.2	84.9	20	75 - 125
Thallium	DUP	1528602-21	0.87074	ND		mg/kg			20	
	MS	1528602-21	0.87074	91.450	100.00	mg/kg		90.6		75 - 125
	MSD	1528602-21	0.87074	90.581	100.00	mg/kg	1.0	89.7	20	75 - 125
Vanadium	DUP	1528602-21	32.653	33.142		mg/kg	1.5		20	
	MS	1528602-21	32.653	126.69	100.00	mg/kg		94.0		75 - 125
	MSD	1528602-21	32.653	128.56	100.00	mg/kg	1.5	95.9	20	75 - 125
Zinc	DUP	1528602-21	36.128	37.085		mg/kg	2.6		20	
	MS	1528602-21	36.128	125.80	100.00	mg/kg		89.7		75 - 125
	MSD	1528602-21	36.128	128.29	100.00	mg/kg	2.0	92.2	20	75 - 125
QC Batch ID: BYK0919		Used client sample: N								
Mercury	DUP	1528651-01	ND	ND		mg/kg			20	
	MS	1528651-01	ND	0.81954	0.76923	mg/kg		107		80 - 120
	MSD	1528651-01	ND	0.81569	0.76923	mg/kg	0.5	106	20	80 - 120
QC Batch ID: BYK0923		Used client sample: Y - Description: SW9-d8.5 Sidewalls, 11/06/2015 14:53								
Mercury	DUP	1528602-11	ND	ND		mg/kg			20	
	MS	1528602-11	ND	0.87532	0.80645	mg/kg		109		80 - 120
	MSD	1528602-11	ND	0.87355	0.80645	mg/kg	0.2	108	20	80 - 120

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Project: GIG
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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.
- 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.
- A52 Chromatogram not typical of diesel.
- Q03 Matrix spike recovery(s) is(are) not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.