

E&B NATURAL RESOURCES MANAGEMENT CORPORATION

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December 21, 2015

Mr. Jerry Wickham
Alameda County Environmental Health
Cleanup Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: RO0003181 – G.I.G. Soil Excavation and Groundwater Investigation Report

Mr. Wickham:

Enclosed is E&B Natural Resources Management's *Report: Soil Excavation and Groundwater Investigation* ("Report") for its G.I.G. facility. The Report will also be uploaded to the GeoTracker database for Site ID T10000007269.

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

Sincerely,



Jennifer Brady
Environmental Compliance Coordinator
E&B Natural Resources Management Corp.

REPORT:

SOIL EXCAVATION AND GROUNDWATER INVESTIGATION

**G.I.G. OIL PRODUCTION FACILITY
G.I.G. LEASE, LIVERMORE OIL FIELD
Section 7, T3S, R3E, MDB&M
8467 Patterson Pass Road, Livermore
Alameda County, California**

Prepared for:

*E&B Natural Resources Management Corporation
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Prepared by:

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Professional Geologist*



December 18, 2015

TABLE OF CONTENTS

Introduction	Page 1
Background	Page 1
Geology	Page 2
Permitting and Preconstruction Activities	Page 3
Excavation Sampling and Disposal Activities	Page 3
Backfill Activities	Page 4
Groundwater Investigation	Page 4
2000-Foot Radius Well Survey	Page 5
Conclusions and Recommendations	Page 6

Figures:

- Figure 1: Project Vicinity Map
- Figure 2: Initial Excavation Limits and Soil Boring B1 Map
- Figure 3: 11-6-15 Excavation and Sample Location Map
- Figure 4: 11-20-15 Excavation and Sample Location Map
- Figure 5: 12-5-15 Final Excavation Limit and Sampling Location Map
- Figure 6: Excavation Lithology
- Figure 7: Soil Boring B1 Log
- Figure 8: Well Survey Map
- Figure 9: Well Construction Log for 3S/3E 7D4

Tables:

- Table 1: Initial Excavation Soil Sample Analytical Summary
- Table 2: Excavation Soil Sample Analytical Summary
- Table 3: Import Soil Sample Analytical Summary
- Table 4: Soil Boring B1 Analytical Summary
- Table 5: 2000-Foot Radius Well Survey Data

Attachments

- Attachment A: Site Photographs
- Attachment B: Non-Hazardous Manifests
- Attachment C: Laboratory Analytical Reports

INTRODUCTION

This Soil Excavation and Groundwater Investigation Report (Report) was prepared by Robert A. Booher (RAB) Consulting for E&B Natural Resources Management Corporation (E&B) as requested by Alameda County Department of Environmental Health (ACDEH), case number RO-0003181. This Report documents the results of soil over excavation and confirmation soil sampling activities, soil disposal and results of the initial soil boring, as well as the 2000-foot radius water well survey. The scope of work documented in this Report was implemented in accordance with E&B's September 16, 2015 Work Plan and subsequent October 5, 2015 Work Plan Addendum. This Report also describes the project activities completed to satisfy ACDEH's requirements, to characterize and remediate residual crude oil impacted soils and assess the potential for groundwater impacts at the site.

The site is located at E&B's Greenville Investment Group (G.I.G.) oil well production facility located at 8467 Patterson Pass Road, Livermore, CA in Section 7, T3S, R3E, MDB&M, Alameda County, California, as shown on Figure 1 Vicinity Map. Photographs taken to document activities during and post excavation are included in this Report in Attachment A.

BACKGROUND

The site is in the Livermore Oil Field which is located approximately two miles east of Livermore. The Livermore Oil Field was discovered in 1967 when McCulloch Oil Corporation drilled and completed the G.I.G. No. 1 well. E&B acquired a partial non-operating interest in the G.I.G. lease and facility in 2006 and assumed operations of the facility in 2008.

In late March 2015, E&B decommissioned and removed an out-of-service 250 barrel stock tank at its G.I.G. oil well production facility which had been installed and operated by E&B's predecessor. The former tank location was located near the southeast corner of the fenced facility at approximate latitude 37.693548, longitude -121.689431 (NAD 83) shown on Figure 2. Since the removal of the stock tank, an above ground 300 barrel wash tank and 100 barrel produced water tank have also been decommissioned and removed from the facility.

During removal activities residual oil staining was observed on the ground surface and E&B commenced excavating shallow soils during April and May of 2015. The location of this initial excavation is shown on Figure 2. One soil sample was collected from approximately 1 foot beneath the former stock tank on March 30, 2015. Subsequent samples were collected by E&B at 5, 7 and 12 feet below grade surface (bgs) where visual observation during the excavation indicated that soils were impacted by residual oil. This initial excavation measured approximately 7 to 8 feet bgs at the greatest depth (western end), approximately 20 feet in width, and approximately 40 feet in length. The excavation tapered from the deepest portion of the excavation on the west end, upwards to subgrade at the east end.

After analyses confirmed a non-hazardous status, five (5) truckloads of soil were removed totaling approximately 65 cubic yards (cy) of soil. One (1) load (13 cy) was transported to the Nissen Tank Farm located on the lease at 8617 Patterson Pass Road, Livermore. This material was used to build up the secondary containment berms surrounding the tanks. The other four (4) truckloads were transported to Potrero Hills Landfill in Suisun, California for disposal on April 27 and 28, 2015, under Potrero Hills approved profile #PHL15266. Copies of the non-hazardous manifests are included in this Report in Attachment B.

Initial soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) by EPA Method 8015, CAM 17 metals by EPA Method 6010B, volatile organic compounds (VOCs) by EPA Method 8260B, Reactivity, Ignitability by EPA Method 1030, and corrosivity by EPA Method 9040. The soil sample at 7 feet bgs collected from beneath the stock tank on May 29, 2015, was additionally analyzed for semi-volatile compounds by EPA Method 8270. A summary of the sample analytical are found at the end of this report in Table 1 and the laboratory reports are attached in Attachment C.

The initial excavation was observed several times between April through June 2015 by ACDEH personnel, during which time E&B entered into a Voluntary Remedial Action Agreement with Alameda County. E&B then submitted a Work Plan to address further soil and groundwater investigation.

GEOLOGY

The site is located in the eastern portion of Livermore Valley, elevation of the surrounding area is between 640 to 680 feet above mean sea level, along the western edge of the Diablo Range. Relatively shallow and surface soils are comprised of alluvial and fluvial deposits.

Rock units exposed in the area are Tertiary to Quaternary age valley fill sediments, the Livermore Formation, the Tassajara Formation, the Miocene Neroly and Ceirobo Formations, the Eocene age Tesla Formation, and the Cretaceous and older Franciscan Formation and the Great Valley Sequence. Within close proximity, approximately 3.5 miles to the north and east-southeast of project location, Department of Oil, Gas and Geothermal Resources (DOGGR) as documented two naturally occurring surface oil seeps in the general vicinity of the top of the Cierbo Formation. The Miocene and older formations have been extensively folded and faulted. The Greenville Fault is the youngest tectonic feature in the area, truncating all other structures, and lies within a mile of the site to the east. The Las Positas fault is within a 1.2 miles to the southwest. The Corral Hollow Fault is located approximately 2 miles to the east of the site.

The entire floor of the Livermore Valley overlies groundwater bearing materials, including continental deposits from alluvial fans, valley fill deposits, and outwash plains. Domestic wells in the vicinity range in depths from 100-350 feet bgs, and municipal or irrigation wells range in depths of 315-810 feet bgs.

PERMITTING AND PRECONSTRUCTION ACTIVITIES

Upon receipt of the Work Plan approval from ACDEH, a drilling permit for soil boring activities (Permit#2015134) was obtained from Zone 7 Water Agency. RAB Consulting implemented groundwater investigation drilling activities prior to the excavation phase.

Prior to beginning work on site, the investigation area was marked with white paint, underground services alert (USA) was notified and clearance for USAN 2015/10/20 #00000-0522472-000 was received, and onsite personnel were required to review the Site Health and Safety Plan. ACDEH was notified a minimum of 48 hours in advance of excavation, drilling and sampling activities.

EXCAVATION SAMPLING AND DISPOSAL ACTIVITIES

Upon ACDEH's approval of E&B's Soil Excavation and Groundwater Investigation Work Plan, soil excavation activities in the vicinity of the former unused stock tank were initiated on November 6, 2015. Over excavation activities continued and confirmation soil samples were collected at various depths along the excavation sidewalls (SW) and excavation bottom (XB). Excavation limits and confirmation soil sample locations performed on November 6, 2015 are presented on Figure 3. Visual evidence and analysis of the November 6, 2015 confirmation soil samples collected after the initial excavation activities indicated residual contaminants remained.

On November 20, 2015, the remedial soil over-excavation continued deeper, to the south and west, along the southern fence of the site. Excavation activities continued to remove residual contaminant (crude oil) impacted soils. The excavation limits and confirmation soil sample locations collected on November 20, 2015 are presented on Figure 4 of this Report. Visual evidence and analysis of the November 20, 2015 confirmation soil samples collected after the additional over-excavation activities indicated residual contaminants remained in the western portion of the excavation.

On December 5, 2015, the excavation limits were advanced to the west until the excavation was constrained by an onsite utility power pole and electrical sub-panels. Final confirmation soil samples were collected, and the final excavation limits and sample locations are presented on Figure 5.

Visual and organic vapor monitoring were completed during the excavation activities. The soil over-excavation continued vertically and laterally until confirmation soil samples indicated that concentrations met or were below SFBRWQCB's risk-based environmental screening levels for various contaminants to leave soils in place, or until impacted soils have been removed to the physical extent feasible. RAB Consulting prepared a lithologic description for the excavation sidewalls which is presented on Figure 6.

Excavated soils (approximately 1340 cubic yards) were either loaded directly into trucks and transported to Altamont Landfill for disposal, and/or stockpiled on and covered with

plastic sheeting (visqueen) pending later transportation to Altamont Landfill. Sample analytical from the excavation activities were used to characterize and receive approval (#624500CA) for class II cap material disposal at Waste Management's Altamont Landfill, Livermore, California. Manifests are included in this Report in Attachment B.

Excavation sidewall and bottom confirmation soil samples were collected directly from the excavator bucket or excavation sidewall using pre-cleaned, laboratory supplied stainless steel sample tubes. Sample tubes were pushed into the soil until zero head space was been achieved, and the ends of the tubes were covered with Teflon sheeting prior to placing plastic end caps on both ends. Each sample was labeled and the location was measured in depth and mapped as to where it was collected within the excavation. Soil samples were designated as either Sidewall (SW) samples or Excavation Bottom (XB) samples with the number and depth (d) included with the sample identification. A total of 48 sidewalls samples and 7 excavation bottom samples were collected during the excavation activities at various depths and locations. After samples were labeled and recorded on a Chain-of-Custody form, samples were placed in a cooler with frozen "blue ice" and transported to a state certified analytical laboratory for analysis of site contaminants of concern.

Excavation sidewall samples designated SW1 through SW48, and excavation bottom samples designated XB1 through XB7, were collected during excavation activities and analyzed for CAM 17 metals (EPA 6010), volatile organic compounds (EPA 8260B), semi-volatiles including PCBs (EPA 8270C), and total recoverable hydrocarbons calculated as gasoline, diesel and motor oil (EPA 8015). Analytical laboratory results are summarized in Table 2 at the end of this report, and laboratory analytical reports are attached in Attachment C.

EXCAVATION BACKFILL ACTIVITIES

The excavation was backfilled in approximately eight (8) inch lifts and compacted to a minimum of 85% relative compaction with clean imported material. The imported material included soils generated from grading projects in the area that required the cut and removal of native soils. Proposed import material was sampled as recommended by the Information Advisory, Clean Imported Fill Material (DTSC2001) as requested by ACDEH. Samples collected from the proposed fill used were designated CF1 through CF5. Analytical reports were submitted to ACDEH for review and approval prior to commencing backfilling activities, and the analytical results are presented in Table 3 and laboratory analytical reports are attached in Attachment C. Backfilling activities were completed on December 11, 2015. No recycled materials, soil from existing well pads or previously disturbed soils with possible hydrocarbon impact were used during the backfill activities.

GROUNDWATER INVESTIGATION

On October 29, 2015, one soil boring (B-1) was advanced using a rig mounted direct push core barrel and hollow stem flight augers. The soil boring was drilled to a depth of initial encountered groundwater (47 feet bgs). The location of the boring was in the area of the former western most tank and is identified on Figure 2. The soil boring was advanced to

evaluate the potential for residual crude oil related contamination. During drilling activities, which were completed prior to soil over-excavation activities, residual hydrocarbon impacts were observed only in the upper 15 feet of the soil boring, based on visual observation and field screening using a calibrated photo ionization detector (PID).

During drilling activities, soil samples were collected from subsurface soils continuously with a core sampler using direct push methodology through and ahead of the hollow stem augers. Soil samples and cuttings were field screened with a PID, lithologically logged, and selected samples were labeled, logged onto a Chain-of-Custody form and placed into an ice chest containing frozen “blue ice” for transport to a state certified analytical laboratory, BC Laboratories, in Bakersfield, CA for analysis of contaminants of concern approved in the Work Plan.

The lithologic log, presented on Figure 7 of this Report, was prepared during the field work by a California State Professional Geologist, who also supervised the drilling and sample collection activities. Analytical results of soil and groundwater samples and field screening PID measurements are included on the lithologic log.

Upon encountering shallow groundwater at 47 feet bgs, and after reaching a final drilling depth of 50 feet bgs, the augers were retracted approximately 3 feet to allow for groundwater accumulation and to prevent upper formation collapse. A groundwater sample was collected by lowering a new disposable polyethylene bailer through the augers to collect the grab groundwater sample. Suspended sediments were observed in the grab groundwater sample collected. The grab groundwater sample was decanted into labeled, laboratory supplied bottles appropriate for the required analysis as described in the Work Plan using the bottom emptying device supplied with the bailer. Sample containers were labeled and recorded on a Chain-of-Custody form and placed in an ice chest containing frozen “blue ice” for transport to a state certified analytical laboratory.

The soil and water samples were analyzed for the TPH as gasoline, diesel and motor oil by EPA Method 8015, Volatile Organic Compounds by EPA Method 8260, Semi-Volatile Organic Compounds by EPA Method 8270, CAM 17 Metals by EPA Method 6010. In addition, grab groundwater samples were analyzed for Electrical Conductivity (EC), Total Dissolved Solids (TDS), pH and general minerals. A summary of soil and groundwater sample analytical results collected from soil boring B-1 are presented at the end of the report in Table 4 and laboratory analytical reports are included in Attachment C.

Upon completion of groundwater sampling, the soil boring was back filled with neat cement through the augers using the tremmie to within 6 inches of the surface. Inspector Wyman Hong with Zone 7 Water Agency was present on site to observe proper grouting of soil boring.

2000-FOOT RADIUS WELL SURVEY

Based on the directives of the ACDEH in their letter dated October 14, 2015, RAB Consulting completed a water well survey within a 2000-foot search radius from the

subject site. On October 29, 2015, RAB Consulting conducted a well canvas of the 2000-foot radius to identify wells. RAB Consulting identified six (6) water supply wells within the 2000-foot radius. These wells are as follows: 32/3E 6N1, 3S/3E 7C5, 3S/3E 7D1, 3S/3E 7D3, 3S/3E 7D4, and the well designated as Marshall 2. These wells are presented on Figure 8 attached to this report. RAB also identified five (5) additional water supply wells beyond the 2000-foot radius to the south-southwest of the site (Figure 8). During our well canvas, we were not able to inspect the wells located on the adjacent property. However, we spoke with Mr. Richard Marshall who assisted us in the identification of his property's well locations. Additionally, RAB Consulting requested public water well information from the Zone 7 Water Agency as well as the California Department of Water Resources (DWR).

RAB Consulting received the agency information, and compared our well canvas data with that of the agency data. The agency information provided RAB Consulting with the locations of two (2) additional water supply wells (3S/3E 6Q1 and 6Q2, Figure 8) and four (4) groundwater monitoring wells (3S/3E 6L1 through 6L4, Figure 8) located within the 2000-foot radius from the site. RAB Consulting compiled the well data from the well canvas and agency provided information, and constructed Table 5 (attached to this Report) presenting the well data. The locations of the identified supply wells and monitoring wells within the 2000-foot radius, as well as the identified supply wells outside, but near, the 2000-foot radius to the south-southwest of the site are presented on Figure 8.

The location of the nearest water supply well to the project site is approximately 275 feet to the southwest (assumed down gradient direction). However, the Zone 7 Water Agency nor DWR provided a record or construction log for this well (Marshall 2). Therefore, as requested by the ACDEH, RAB Consulting has provided the construction log for the second nearest supply well located to the site in the assumed down gradient direction (3S/3E 7D4) which is shown on Figure 9.

SOIL AND GROUNDWATER INVESTIGATION CONCLUSIONS AND RECOMMENDATIONS

Soil excavation samples detected elevated residual crude oil impacted soils within the western most sidewall of the final excavation. This lense was detected in place near an existing current operating power pole and electrical subpanels. Excavation activities were ceased at this location due to these site constraints.

Soil sample SW44-d16.0 collected beneath this lense did not detect residual crude oil impacts. The highest detected concentrations of residual crude oil during excavation activities were identified in relatively shallow soils in the vicinity just west of the former tanks. Based on the analytical results of confirmation soil samples collected from the final excavation limits, indicate that residual crude oil impacted soils have been successfully removed with the exception of a small area underlying the existing utilities. If required, additional excavation in this area could be performed when the existing power pole and subpanels located in the westernmost area of the excavation are removed during facility decommissioning.

The analytical results of grab groundwater sample collected from soil boring B-1 resulted in a low concentration of residual crude oil (reported in the diesel range at 210 ug/L). This detection may be related to residual crude oil impacted soils located in the upper 15 feet of soil (soil boring advanced *prior to* additional over-excavation) that could have been dragged downward by the augers during drilling. There were also very low detections of semi-volatile hydrocarbons slightly above the detections limits in the grab groundwater sample. Elevated concentrations of metals were also detected in soil boring B-1 from soil samples in the upper ten (10) feet of the boring (same vicinity as sidewall samples SW22 and SW24 at approximately five feet bgs), as well as in the grab groundwater sample collected. The elevated concentrations of metals in the grab groundwater sample collected may be a result of the high amount of suspended sediments present in the sample, and as the laboratory did not filter the sample prior to analysis.

Since there is a possibility that the analytical results may be biased high due to the high amount of suspended sediment in the grab groundwater sample, we recommend installing three (3) groundwater monitoring wells to better assess groundwater quality conditions. A Groundwater Monitoring Well Installation Work Plan has been recently submitted to ACDEH on December 14, 2015.

FIGURES

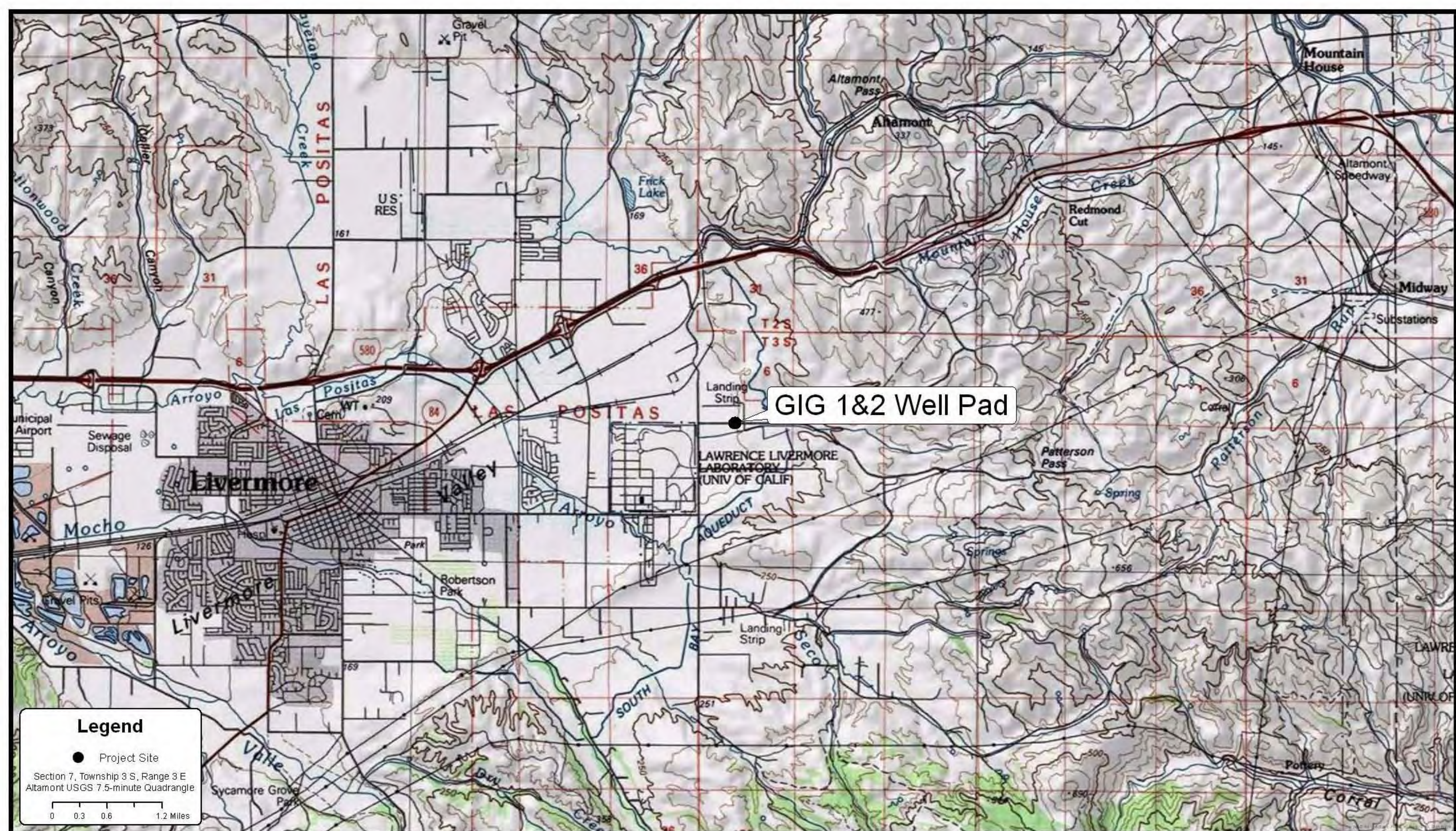


FIGURE 1
Project Vicinity Map

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GIG 1&2 Well Pad

Soil Boring B-1

Legend

- Initial Excavation Area
- Soil Boring B-1 Location

Section 7, Township 3 S, Range 3 E
Altamont USGS 7.5-minute Quadrangle

0 10 20 40 Feet

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FIGURE 2
Initial Excavation Limits and Soil Boring B-1

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Legend

- 11-6-15 Excavation Area
- Sampling Locations


Section 7, Township 3 S, Range 3 E
Altamont USGS 7.5-minute Quadrangle

0 3 6 12 Feet

FIGURE 3
11-6-15 Excavation and Sample Location Map

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N



Legend

- 11-20-15 Excavation Area
- Sampling Locations

Section 7, Township 3 S, Range 3 E
Altamont USGS 7.5-minute Quadrangle

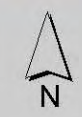
0 3.5 7 14 Feet

NAD 83, CA State Plane V, ArcGIS 10, Dan Hack

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FIGURE 4
11-20-15 Excavation and Sample Location Map

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Legend

- Current Excavation Area
- Sampling Locations

Section 7, Township 3 S, Range 3 E
Altamont USGS 7.5-minute Quadrangle

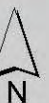
0 4 8 16 Feet

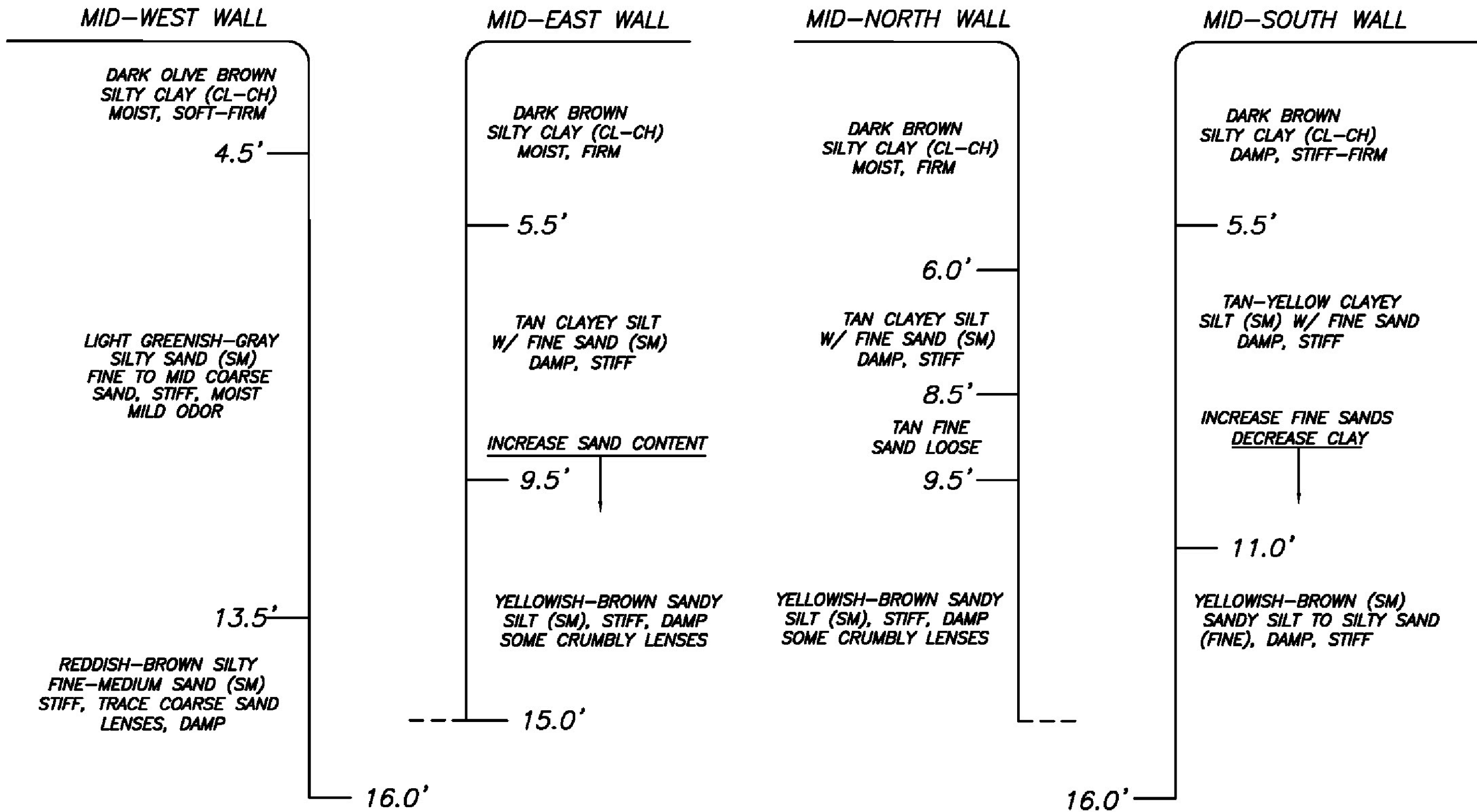
MAD 93: CA State Plane N. ArcGIS 10, Dan Hack

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FIGURE 5
12-5-15 Final Excavation and Sample Location Map

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[BOTTOM DEPTH OF EXCAVATION = 15.0' TO 16.0']

[NOTE: NOT DRAWN TO SCALE]

NAD 83, CA State Plane II, ArcGIS 10, Dan Hack

FIGURE 6
 Excavation Lithology



	ANALYTICAL RESULTS								Blow Counts	Groundwater	PID Reading (background = 5.9 ppm)	Soil Sample ID	Depth (ft)	SAMPLE Graphic Log	EQUIPMENT: 8-Inch Hollow Stem Auger Rig LOGGED BY: JM/DB DATE: 10/29/15 DRILLER: Gregg Drilling & Testing, Inc.
	GRO (C4 - C12)	TPH-Diesel	TPH-MO	BTEX	MTBE	Napthalene	Semi-VOC's	Barium							
	6.4	280	340	ND*	ND	ND	ND	1800		11.8 ppm	d2.5	0	Gravel surface		
	1.5	84	100	ND*	ND	0.0035	ND^	270		19.6 ppm	d6	5	5Y-4/2, dark olive brown, silty clay (CL-CH), stiff, slight odor		
	11	2100	1500	ND*	ND	ND	ND^	280		31.2 ppm	d9.5	10	5Y-6/2, light gray-green, less clay, silty with very fine sand (CI), stiff, slight odor		
	ND	72	120	ND	ND	ND	ND	250		4.9 ppm	d15	15	2.5Y-6/4, light tan sandy silt (SM), very fine grained, crumbly, damp, no odor		
	ND	ND	ND	ND	ND	ND	ND	96		5.9 ppm	d20	20	2.5Y-7/3, light yellow-tan, fine sand (SM), little to no silt or clay, loose fine sand, damp, no odor		
	ND	ND	ND	ND	ND	ND	ND^	140		6.1 ppm	d25	25	10YR-5/6, reddish-brown clayey sand with intermixed coarse sand (SM), stiff, no odor		
	ND	ND	ND	ND	ND	ND	ND	130		6.2 ppm	d30.5	30	10YR-5/6, reddish-brown clayey silt (CH), little fine sand (5%), stiff, dry, no odor		
	ND	ND	ND	ND	ND	ND	ND	120				35	sand-tuff lens		
	ND	ND	ND	ND	ND	ND	ND	95		6.1 ppm	d40	40	10YR-6/6, reddish-brown silty fine sand with clay (CL-SM), stiff, dry-damp, no odor		
	ND	ND	ND	ND	ND	ND	ND	58		6.1 ppm	d46	45	10YR-5/4, brown sandy clay (CH-SM), fine grained with intermixed coarse sand (5%), damp, no odor		
	ND	ND	ND	ND	ND	ND	ND	59		5.1 ppm	d47.5	45	10YR-5/4, brown sandy clay/silt (CH-SM), with intermixed coarse sand (5%), very stiff, damp, no odor		
	ND	210	ND	ND	ND	ND	ND+	ESL's			d47.5 GW47	50	10YR-6/6, yellow-brown fine to medium grained sand with silt (SM), saturated, no odor		
TOTAL DEPTH: 50 ft bqs, collect grab water sample with bailer															

EXPLANATION

- Retained Soil Sample
- ▼ Groundwater Sample
- ∇ Saturated Groundwater Interface

Soil results in mg/kg
Groundwater Units in ug/L
ND = Not Detected Above 1.0
ESL's = Metals detected above ESL's

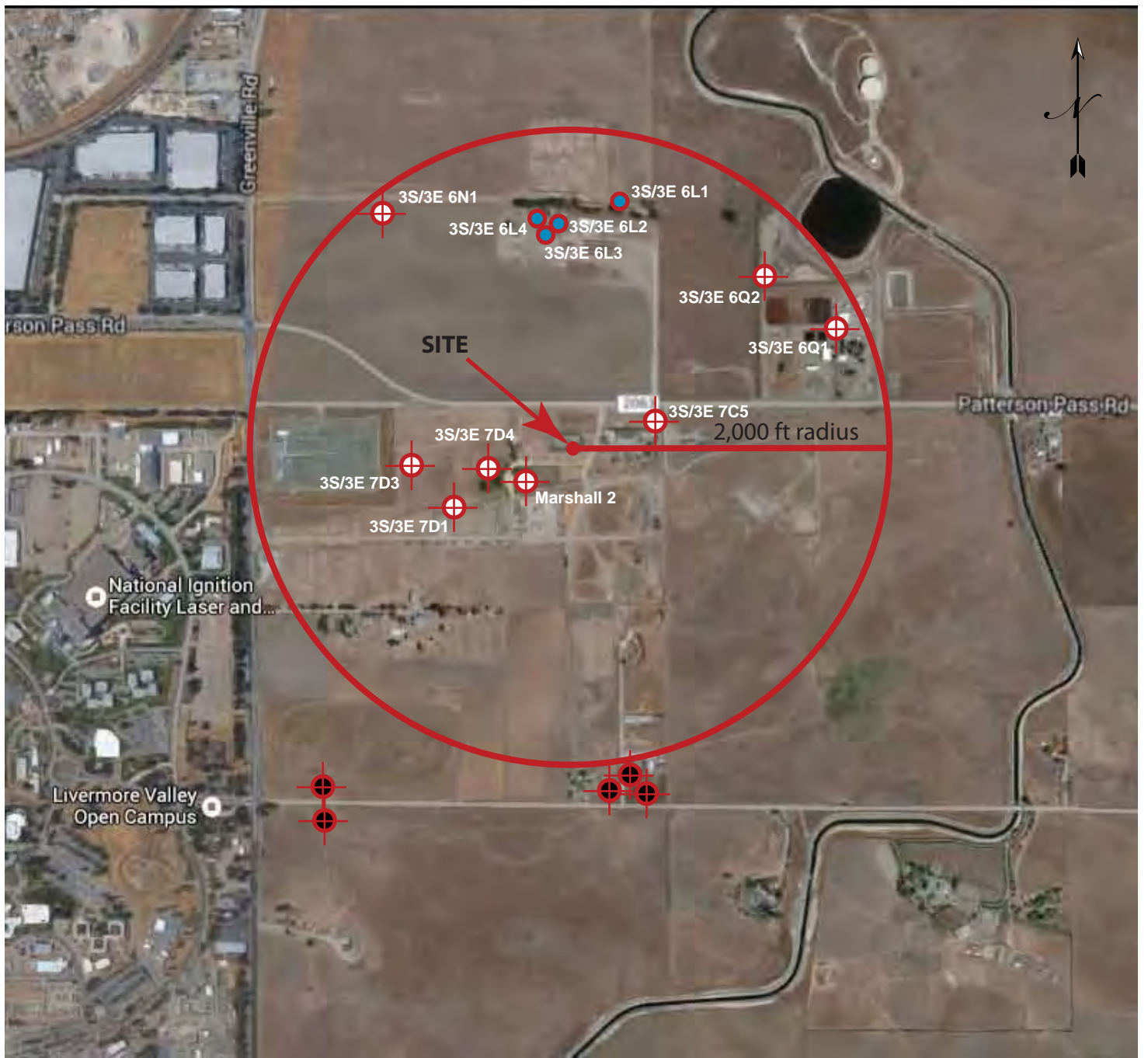
ND* = Additional VOC's detected <0.5 mg/kg including the following:
n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, n-Propylbenzene
ND^ = Semi-VOC's detected <0.5 mg/kg including the following:
Fluorene, Penanthrene, Fluoranthene, bis(2-Ethylhexyl)phthalate
ND+ = Semi-VOC's detected <1.5 ug/L including the following:
Diethyl phthalate, 2-Methylnapthalene, Phenanthrene

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FIGURE 7

SOIL BORING B1 LOG

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EXPLANATION



Water Supply Well located within the 2000-foot radius identified via well canvas, Zone 7
Water Agency Data or CA DWR Data



Water Supply Well located outside the 2000-foot radius identified via well canvas, Zone 7
Water Agency Data or CA DWR Data



Monitoring Well located within the 2000-foot radius identified via well canvas, Zone 7
Water Agency Data or CA DWR Data

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FIGURE 8
Well Survey Map

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CONFIDENTIAL WELL LOGS REMOVED

TABLES

Table 1
Initial Excavation Sample Analytical Summary

Sample ID Depth	Date Sampled	pH	Ignitab	RS	VOC's 8260	TPH-g/d/mo	CAM 17 Metals (TTLIC)																
							Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
GIG-d1	3/30/2015	7.16	NF	21	ND	NA	ND	ND	120	ND	ND	16	ND	9.5	19	ND	ND	36	ND	ND	ND	17	50
GIG-5'	4/30/2015	7.48	NF	<10	ND	.73/3070/5670	ND	ND	220	ND	ND	14	ND	12	6.4	0.052	ND	26	ND	ND	ND	19	18
GIG-12'	5/20/2015	9.69	NF	<10	*	.55/693/657	ND	ND	600	ND	ND	14	5.5	13	5.2	ND	ND	28	ND	ND	ND	23	23
GIG-7'	5/29/2015	8.78	ND	42	ND/**	ND/	ND	1.2	670	0.73	ND	45	15	36	16	ND	ND	100	ND	ND	ND	50	93

Note: Soil Sample Results in mg/Kg unless noted; RS=Reactive Sulfide, Ignitab=Ignitability
 TPH=Total Petroleum Hydrocarbons (gas, diesel and motor oil)
 VOC=Volatile Organic Compounds; ND=Not Detected at or above laboratory detection limits
 * Refer to Attached Analytical Reports for Minor Detections <36mg/Kg
 NA=Not Analyzed
 ** Semi-Volatile Compounds (8270) were also analyzed and detected Pyrene at 430 ug/Km

Table 2
11/6/15 Excavation Sample Analytical Summary

Sample ID Depth	Date Sampled	TPH-g	TPH-d	TPH MO	VOC's 8260	Semi-VOC's 8270	CAM 17 Metals (TTLC)																
							Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
SW1-d5.0	11/6/2015	ND	3.6	19	ND	ND	ND	2.2	250	0.34	ND	19	6.4	7.6	6	ND	ND	21	ND	0.24	ND	26	26
SW2-d7.5	11/6/2015	ND	ND	ND	ND	ND	ND	2.8	260	0.33	0.082	14	5.3	9.9	5.3	ND	0.13	15	ND	0.23	ND	28	27
SW3-d6.0	11/6/2015	ND	ND	ND	ND	ND	ND	3.3	340	0.41	0.076	24	9.5	11	0.79	ND	ND	28	ND	0.21	ND	30	31
SW4-d7.5	11/6/2015	ND	ND	ND	ND	ND	ND	4.5	360	0.4	ND	25	7.8	11	7.5	ND	ND	25	ND	0.27	ND	33	34
SW5-d8.5	11/6/2015	160	6600	7300	*	**	ND	6.2	290	0.35	0.061	19	7.4	9	6.3	ND	ND	22	ND	0.23	ND	26	28
SW6-d10.5	11/6/2015	1.7	190	240	*	**	ND	3.2	310	0.33	0.067	19	6.6	9.7	6.2	ND	ND	21	ND	0.23	ND	27	28
SW7-d6.0	11/6/2015	ND	70	410	ND	ND	ND	3.5	310	0.31	ND	17	6.9	7	5.5	ND	ND	20	ND	0.13	ND	25	24
SW8-d4.5	11/6/2015	ND	ND	ND	ND	ND	ND	2.4	240	0.38	ND	20	7.8	8.6	6.2	ND	ND	25	ND	0.22	ND	27	29
SW9-d8.5	11/6/2015	ND	19	110	ND	ND	ND	4.2	440	0.47	0.063	25	9.5	13	9.1	ND	ND	30	ND	0.28	ND	34	37
SW10-d5.0	11/6/201	ND	ND	ND	ND	ND	ND	3.3	270	0.34	ND	18	6.8	11	5.5	ND	ND	23	ND	0.13	ND	27	27
SW11-d8.0	11/6/2015	ND	7.2	14	*	ND	ND	5.3	280	0.4	0.094	22	6.8	11	6.6	ND	ND	22	ND	0.23	ND	34	32
SW12-d11.0	11/6/2015	35	2500	2600	*	**	ND	3.5	270	0.38	ND	22	7.5	11	6.4	ND	ND	24	ND	0.14	ND	31	33
SW13-d12.5	11/6/2015	ND	ND	ND	ND	ND	ND	5.3	300	0.42	0.11	26	8.8	13	7.5	ND	ND	28	ND	0.22	ND	36	35
SW14-d7.0	11/6/2015	ND	390	2200	ND	ND	ND	2.3	220	0.27	0.065	15	5.8	7	5	ND	ND	16	ND	0.14	ND	22	24
SW15-d8.5	11/6/2015	ND	740	2200	ND	ND	ND	5.7	350	0.38	0.069	22	7.4	9	6	ND	ND	24	ND	0.24	ND	31	31
SW16-d10.5	11/6/2015	ND	ND	ND	ND	ND	ND	4.2	250	0.31	0.078	17	6.4	8.5	5.6	ND	ND	19	ND	0.24	ND	26	27
SW17-d6.0	11/6/2015	ND	280	1600	ND	ND	ND	3.2	320	0.37	0.075	19	5.8	8.1	5.5	ND	ND	20	ND	0.19	ND	27	29
SW18-d5.0	11/6/2015	ND	ND	ND	ND	ND	ND	3.5	290	0.34	ND	16	6.9	8.2	5.3	ND	ND	20	ND	0.24	ND	23	26
SW19-d8.0	11/6/2015	1	630	800	ND	ND	ND	2.2	360	0.52	ND	25	7.6	12	7.3	ND	ND	29	ND	0.21	0.87	33	36
SW20-d5.0	11/6/2015	3.4	2100	2300	ND	**	ND	3.2	300	0.37	ND	20	6.9	8.6	5.8	ND	ND	24	ND	0.17	0.67	27	28
SW21-d8.5	11/6/2015	ND	19	42	ND	ND	ND	3.9	310	0.42	0.057	22	8.2	12	6.6	ND	ND	25	ND	0.16	ND	32	35
SW22-d5.0	11/6/2015	41	2100	2600	*	**	ND	5.6	1100/17	0.31	ND	25	7	10	7.6	ND	3.9	19	ND	0.25	ND	28	26
SW23-d8.5	11/6/2015	6.3	1300	1500	*	**	ND	3.4	340	0.43	ND	20	7.3	9.9	6.1	ND	ND	22	ND	0.16	ND	31	34
SW24-d4.0	11/6/2015	96	5800	3500	*	**	ND	1.9	2000/25	0.41	ND	35	5.6	7.7	6.5	0.061	0.059	24	ND	0.25	ND	29	29
SW25-d8.0	11/6/2015	53	3100	3500	*	**	ND	2.2	310	0.42	ND	24	8.2	13	6.9	ND	ND	25	ND	0.21	ND	31	31
XB1-d9.0	11/6/2015	ND	270	160	ND	ND	ND	3.8	310	0.33	ND	18	6.2	9.8	6	ND	0.27	19	ND	ND	ND	28	28
XB2-d12.5	11/6/2015	ND	77	440	*	ND	ND	ND	110	0.12	ND	6.8	2.5	3.4	3.2	ND	0.093	6.1	ND	ND	ND	14	11
XB3-d11.5	11/6/2015	ND	6.3	8	*	ND	ND	4.8	300	0.41	0.085	21	8.5	12	6.1	ND	ND	23	ND	0.21	ND	31	35

Note: Soil Sample Results in mg/Kg; Metals=TTLC mg/Kg/WET mg/L
 TPH=Total Petroleum Hydrocarbons (gas, diesel and motor oil)
 VOC=Volatile Organic Compounds; ND=Not Detected at or above laboratory detection limits
 * Refer to Attached Analytical Reports for Minor Detections <19
 ** Refer to Attached Analytical Reports for Minor Detections <76

Table 2 (continued)
11/20/15 & 12/5/15 Excavation Sample Analytical Summary

Sample ID Depth	Date Sampled	TPA-g	TPH d	TPH MO	VOC's 8260	Semi-VOC's 8270	CAM 17 Metals (TTLIC)																
							Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
SW26-d15.0	11/20/2015	ND	ND	ND	ND	ND	ND	1.9	180	0.25	ND	15	5.5	6.8	4.2	ND	ND	17	ND	0.1	ND	21	20
SW27-d11.0	11/20/2015	ND	ND	ND	ND	ND	ND	2.3	160	0.18	ND	9.4	3.9	5.2	3.9	ND	ND	11	ND	0.09	ND	18	16
SW28-d6.0	11/20/2015	ND	ND	ND	ND	ND	ND	3.5	310	0.39	ND	21	7.2	10	6	ND	ND	22	ND	0.074	ND	32	32
SW29-d9.5	11/20/2015	ND	ND	ND	ND	ND	ND	2.1	160	0.25	ND	15	5.5	7	4.5	ND	0.13	18	ND	ND	ND	23	20
SW30-d11.5	11/20/2015	ND	ND	ND	ND	ND	ND	2.6	220	0.24	ND	12	4.7	5.9	4.1	ND	ND	12	ND	ND	ND	22	18
SW31-d7.0	11/20/2015	ND	11	140	ND	ND	ND	2.6	300	0.34	ND	20	6.9	7.1	5.6	ND	ND	23	ND	0.12	ND	27	25
SW32-d12.0	11/20/2015	ND	ND	ND	ND	ND	ND	2.6	250	0.34	ND	20	8.8	10	6.1	ND	ND	20	ND	0.18	ND	27	27
SW33-d9.0	11/20/2015	ND	ND	ND	ND	ND	ND	2.3	190	2.3	ND	13	4.9	6	4.3	ND	ND	13	ND	ND	ND	20	20
SW34-d8.5	11/20/2015	ND	15	65	ND	ND	ND	3	260	0.39	ND	20	6.6	9	6.1	ND	ND	23	ND	0.086	ND	28	29
SW35-d5.5	11/20/2015	ND	ND	ND	ND	ND	ND	2.9	230	0.32	ND	17	6.1	7.4	5.1	ND	ND	20	ND	0.16	ND	25	24
SW36-d8.0	11/20/2015	ND	ND	ND	ND	ND	ND	2.5	290	0.39	ND	21	7.1	9.7	6.1	ND	ND	24	ND	0.14	ND	30	31
SW37-d5.0	11/20/2015	ND	16000	16000	*	**	ND	1.9	250	0.17	ND	26	7.5	9.6	5.3	ND	0.81	10	ND	0.2	0.7	61	32
SW38-d7.5	11/20/2015	ND	ND	ND	ND	ND	ND	3.3	280	0.39	ND	20	8.5	9.8	6.4	0.068	ND	25	ND	0.099	ND	31	30
SW39-d5.5	11/20/2015	ND	ND	ND	ND	ND	ND	2.4	270	0.36	ND	19	6.9	6.6	5.7	ND	ND	23	ND	ND	ND	26	25
SW40-d9.0	11/20/2015	ND	ND	ND	ND	ND	ND	2.8	320	0.33	ND	17	7.3	8.2	5.6	ND	ND	20	ND	0.12	ND	26	27
SW41-d11.5	11/20/2015	ND	ND	ND	*	ND	ND	2.7	270	0.27	ND	14	5.7	6.8	4.8	ND	0.069	16	ND	ND	ND	22	22
XB4-d15.0	11/20/2015	ND	ND	ND	*	ND	ND	2.2	140	0.21	ND	11	5.2	5.6	4	ND	ND	14	ND	ND	ND	18	16
XB5-d14.5	11/20/2015	ND	ND	ND	ND	ND	ND	2.5	200	0.27	ND	16	6	7.4	4.9	ND	0.13	18	ND	ND	ND	23	22
XB6-d14.5	11/20/2015	ND	ND	ND	ND	ND	ND	2.4	210	0.29	ND	16	6.5	7.4	5.1	ND	ND	17	ND	0.11	0.87	23	23
XB7-d12.0	11/20/2015	ND	ND	ND	ND	ND	ND	2.1	240	0.27	ND	13	5.2	6.4	4.4	ND	ND	14	ND	0.11	0.67	22	22
SW42-d6.5	12/5/2015	ND	ND	ND	ND	ND	ND	4.1	240	0.33	ND	19	6.9	7.4	4.4	0.053	ND	23	2.7	0.093	ND	28	25
SW43-d12.0	12/5/2015	ND	200	1000	ND	ND	ND	3.5	220	0.27	ND	14	5	6.7	3.8	ND	ND	13	3	0.1	ND	24	20
SW44-d16.0	12/5/2015	ND	ND	ND	ND	ND	ND	2.9	130	0.17	ND	7.3	4.8	5.2	2.1	ND	0.19	9.9	1.8	ND	ND	19	15
SW45-d12.0	12/5/2015	ND	1800	1300	*	**	ND	3.1	150	0.18	ND	8.7	4	4.4	2.8	ND	ND	10	1.8	0.1	ND	18	14
SW46-d4.0	12/5/2015	ND	49	240	ND	**	ND	2.7	210	0.32	ND	19	6.5	8.2	4.6	ND	ND	18	2.4	ND	ND	25	26
SW47-d11.0	12/5/2015	ND	77	440	ND	ND	ND	2.8	130	0.21	ND	11	4.3	5.4	3.2	ND	ND	11	2.1	0.082	ND	20	16
SW48-d7.0	12/5/2015	ND	ND	ND	ND	ND	ND	4.4	310	0.39	ND	22	9.7	10	5.4	ND	ND	25	3.1	ND	ND	30	28

Note: Soil Sample Results in mg/Kg; Metals=TTLIC mg/Kg/WET mg/L
 TPH=Total Petroleum Hydrocarbons (gas, diesel and motor oil)
 VOC=Volatile Organic Compounds; ND=Not Detected at or above laboratory detection limits
 * Refer to Attached Laboratory Reports for Minor Detections <19
 ** Refer to Attached Analytical Reports for Minor Detections <76

Table 3
Import Soil Sample Analytical Summary

Sample ID	Date Sampled	TPH-g	TPH-d	TPH-mo	VOC's 8260	Semi-VOCs 8270	CAM 17 Metals (TTLIC)																
							Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
CF1	11/6/2015	ND	11	90	ND	*	ND	3.4	42	0.28	0.26	44	6.7	10	6.2	0.077	1.1	52	ND	ND	ND	28	40
CF2	11/6/2015	ND	7.7	42	ND	ND	ND	ND	210	0.28	ND	19	7.4	15	9.6	0.045	0.53	19	ND	ND	ND	24	35
CF3	11/23/2015	ND	ND	32	ND	*	ND	2.4	200	0.3	ND	23	7.2	13	5.7	ND	ND	27	ND	0.19	ND	36	31
CF4	11/23/2015	ND	4	27	ND	ND	ND	2.2	180	0.25	ND	17	5.9	8.6	4.5	ND	0.14	20	ND	0.11	ND	25	23
CF5	11/23/2015	ND	9.1	50	ND	ND	0.39	0.21	160	0.21	0.2	15	6.2	14	8.6	ND	0.41	13	ND	0.34	ND	20	31

Note: Soil Sample Results in mg/Kg unless noted

TPH=Total Petroleum Hydrocarbons (gas, diesel and motor oil)

VOC=Volatile Organic Compounds

ND=Not Detected at or above the laboratory detection limits

* Refer to Attached Analytical Reports for Minor Detections <1.8

Table 4
Soil Boring B-1 Analytical Summary

Sample ID Depth	Date Sampled	TPA-g	TPH d	TPH MO	VOC's 8260	Semi-VOC's 8270	CAM 17 Metals (TTLIC)																	
							Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mg	Mo	Ni	Se	Ag	Ti	V	Zn	
Soil mg/kg																								
B1-d2.5	10/29/2015	6.4	280	340	*	ND	ND	3.2	*1800/15	0.29	ND	32	6.4	19	8.1	ND	0.22	23	ND	0.21	ND	28	36	
B1-d6.0	10/29/2015	1.5	8.4	100	*	**	ND	2.1	270	0.37	ND	21	8	13	5.9	0.041	ND	23	ND	0.1	ND	22	40	
B1-d9.5	10/29/2015	11	2100	1500	*	**	ND	3.3	280	0.35	ND	19	6.6	9.1	5.7	ND	ND	21	ND	0.14	ND	26	30	
B1-d15.0	10/29/2015	ND	72	120	ND	ND	ND	3	250	0.3	ND	15	5.9	8	5.1	ND	0.07	16	ND	0.12	ND	25	37	
B1-d20.0	10/29/2015	ND	ND	ND	ND	ND	ND	1.6	96	0.14	ND	6.3	2.7	4.5	2.8	ND	ND	6.8	1.3	ND	ND	15	13	
B1-d25.0	29-Oct	ND	ND	ND	ND	**	ND	5.7	140	0.36	ND	*58/ND	15	29	8	0.036	ND	140	1.4	0.22	ND	34	45	
B1-d30.5	10/29/2015	ND	ND	ND	ND	ND	ND	4.6	130	0.31	ND	50	15	25	7.1	0.063	ND	120	ND	0.22	ND	32	39	
B1-d35.5	10/29/2015	ND	ND	ND	ND	ND	ND	3	120	0.44	ND	19	8.6	17	6.4	0.051	ND	18	ND	0.13	ND	28	52	
B1-d40.0	10/29/2015	ND	ND	ND	ND	ND	ND	2.7	95	0.37	ND	15	6.5	12	5.5	ND	0.09	19	ND	0.16	ND	26	36	
B1-d46.0	10/29/2015	ND	ND	ND	ND	ND	ND	2.3	58	0.45	ND	20	8	16	6.4	0.04	0.084	20	ND	0.08	ND	27	46	
B1-d47.5	10/29/2015	ND	ND	ND	ND	ND	ND	3.4	59	0.31	ND	16	6.5	18	4.5	ND	0.11	20	1.4	0.12	ND	28	75	
Water ug/L																								
B1-GW47.0	10/29/2015	ND	210	ND	ND	**	ND	370	12000	47	ND	3100	640	1300	500	1.2	ND	1900	ND	ND	ND	2900	2900	
							D-Ca	T-Ca	D-Mg	T-Mg	D-Na	T-Na	D-K	T-K	Bicarbonate	Carbonate	Chloride	Nitrite	Sulfate	pH	EC	TDS	Boron	TR-Boron
							130mg/L	4700mg/L	55mg/L	480mg/L	310mg/L	360mg/L	3.3mg/L	120mg/L	370mg/L	ND	370mg/L	7.5mg/L	400mg/L	7.71	2460	1500	7.4mg/L	7900ug/L

Note: Soil Sample Results in mg/mg

Water Sample in ug/L unless noted

TPH=Total Petroleum Hydrocarbons as gas(g), diesel(d) and motor oil(mo)

VOC=Volatile Organic Compounds

D=Dissolved; T=Total; TR=Total Recoverable; TDS=Total Dissolved Solids; EC=Electrical Conductivity

* Refer to Attached Analytical Reports for Minor Detections <0.05

** Refer to Attached Analytical Reports for Minor Detections <0.20

Table 5**2000-Foot Radius Well Survey Data**

Source: Zone 7 Water Agency, CA DWR, and Field Canvas

Well Designation	Location	Total Depth	Diameter	Screen Interval	Date of Installation	Current Status	Historic Use	Owner
3S/3E 6L1	NE OF SITE	49'	2"	28-41.5'	3/31/1989	UNKNOWN	Monitoring	Glider Park
3S/3E 6L2	NE OF SITE	50'	2"	28-50'	11/1/1989	UNKNOWN	Monitoring	Glider Park
3S/3E 6L3	NE OF SITE	65'	2"	30-65"	8/23/1989	UNKNOWN	Monitoring	Glider Park
3S/3E 6L4	NE OF SITE	50'	2"	28-50'	8/23/1989	UNKNOWN	Monitoring	Glider Park
3S/3E 6N1	N OF SITE	136'	8"	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
3S/3E 6Q1	NE OF SITE	120'	10"	30-70' & 89-109'	8/23/1961	IN USE	SUPPLY WELL	ZONE 7
3S/3E 6Q2	NE OF SITE	170'	2"	120-170"	12/13/1995	IN USE	CATHODIC	ZONE 7
3S/3E 7C5	E OF SITE	74'	7"	UNKNOWN	UNKNOWN	ABANDONED*	SUPPLY WELL	MARSHALL
3S/3E 7D1	SW OF SITE	400'	12"	VARIOUS	6/28/1947	ABANDONED*	SUPPLY WELL	MARSHALL
Marshall 2	SW OF SITE	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	IN USE	UNKNOWN	MARSHALL
3S/3E 7D3	SW OF SITE	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	ABANDONED*	UNKNOWN	MARSHALL
3S/3E 7D4	SW OF SITE	335'	12"	160-335'	11/11/2010	IN USE	IRRIGATION	MARSHALL

*NOTE: Listed as abandoned by Zone 7 Water Agency

**ATTACHMENT A:
Site Photographs**



Photograph 1:
Facing westerly at the final excavation western wall next to electrical power.



Photograph 2:
Facing east at the excavation as activities continued to the west.



Photograph 3:
Facing east during backfilling and compacting activities.



Photograph 4:
Facing east from the western edge of the excavation as backfilling complete.

ATTACHMENT B
Non-Hazardous Waste Manifests

POTRERO HILLS LANDFILL, INC.
 Weighed at:
 POTRERO HILLS LANDFILL, INC.
 P.O. Box 68
 FAIRFIELD, CA 94533

Deputy: Janee Quinonez
 Deposit: Janee Quinonez
 BILL TO: 2640
 SCMW (Green Compass)

Vehicle ID:
 Reference: PHLF15266
 Grid: 12N
 HaulCust#: ORIGIN-LIVERMORE
 DriverOn?: N
 Route: #11 11651
 TRLR/LP#: AK6837

Origin: LIVERMORE
 DATE IN: 04/27/2015 TIME IN: 11:28:03
 DATE OUT: 04/27/2015 TIME OUT: 11:47:03

INBOUND TICKET Number: 01-00559894

SCALE 1 GROSS WT. 75340 LB
 SCALE 3 TARE WT. 32800 LB
 NET WEIGHT 42540 LB

Qty Description Amount
 21.27 Profile Soil-T ADC
 2.00 US-Unsecured Load

N.C. Brun & Son ALAMEDA Co

NON-HAZARDOUS Waste Hauler Document

Daily Field Ticket No. 11651

PHLF-15-216

GENERATOR	DESIGNATED TSD FACILITY	ALTERNATE TSD FACILITY
Name: <u>F+B NATURAL RESOURCES</u>	Name: <u>POTRERO HILLS LANDFILL</u>	Name: _____
EPA # _____	EPA # _____	EPA # _____
Address: <u>0427 PATTERSON PASS RD LIVERMORE, CA 94551</u>	Address: <u>SUISUN, CA</u>	Address: _____
Phone No. <u>925 321 1192</u>	Phone No. _____	Phone No. _____
Order Placed: _____	Order Date: _____	

WASTE - DRILLING MUD - GASWELL WATER - OTHER TANK BOTTOM SOLIDS

Weight/Volume _____ Units _____ Container: - Dump Truck - Tank Truck

This material is nonhazardous because:
 1) It is a drilling mud containing only the additives listed by the Department in its exemption letter and contains no significant concentrations of toxic materials from natural sources, or
 2) Is a sulfur-dioxide scrubber solution from a sodium hydroxide or sodium carbonate oil field boiler scrubber system, and possesses no characteristics that would require its handling as a hazardous waste.

SIGNATURE OF AUTHORIZED AGENT _____

DATE _____

TRANSPORTER
 N.C. Brun & Son
 25692 N. Cherokee Lane
 Galt, CA. 95632
 (916) 425-7752

Job No. LIVERMORE, CA
 Unit No. 11 / B

Pick-Up Date 4/27/15
 SIGNATURE OF DRIVER [Signature]

TSD FACILITY

Name _____ QTY Measured _____
 EPA # _____ - BBL - TONS - OTHER

METHOD OF DISPOSAL:

- Injection Well
- Landfill
- Land Treatment
- Surface Impoundment
- Other _____

SIGNATURE OF AUTHORIZED AGENT [Signature]

4/27/15
 DATE

POTRERO HILLS LANDFILL, INC.
 Weighed at:
 POTRERO HILLS LANDFILL, INC.
 P.O. Box 68
 FAIRFIELD, CA 94533

Deputy: Janee Quinonez
 Deposit: Janee Quinonez
 BILL TO: 2540
 SCWW (Green Compass)

Vehicle ID:
 Reference: PHLF15286
 Grid: 12N
 Hal Cust#: ORIGIN-LIVERMORE
 DriverOn?: N
 Route: 11651 #11
 TRLR/LPT#: AK6937
 Origin: LIVERMORE
 DATE IN: 04/27/2015 TIME IN: 15:27:38
 DATE OUT: 04/27/2015 TIME OUT: 15:49:42
 INBOUND TICKET Number: 01-00660089

SCALE 1 GROSS WT. 72360 LB
 SCALE 3 TARE WT. 31800 LB
 NET WEIGHT 40560 LB

Qty Description Amount
 20.29 Profile Soil-T ADC
 2.00 US-Unsecured Load

ALAMEDA, CO

N.C. Brun & Son

PHLF-15-266

NON-HAZARDOUS Waste Hauler Document

Daily Field Ticket No. 11651

GENERATOR	DESIGNATED TSD FACILITY	ALTERNATE TSD FACILITY
Name: <u>E+B NATURAL RESOURCES</u>	Name: <u>POTRERO HILLS LANDFILL</u>	Name: _____
EPA # _____	EPA # _____	EPA # _____
Address: <u>925 321 1192 617 PATTERSON PASS RD LIVERMORE, CA 94551</u>	Address: <u>SUISUN, CA</u>	Address: _____
Phone No. _____	Phone No. _____	Phone No. _____
Order Placed: _____	Order Date: _____	

WASTE - DRILLING MUD - GASWELL WATER - OTHER TANK BOTTOM SOLIDS

Weight/Volume _____ Units _____ Container: - Dump Truck - Tank Truck

This material is nonhazardous because:
 1) it is a drilling mud containing only the additives listed by the Department in its exemption letter and contains no significant concentrations of toxic materials from natural sources, or
 2) is a sulfur-dioxide scrubber solution from a sodium hydroxide or sodium carbonate oil field boiler scrubber system, and possesses no characteristics that would require its handling as a hazardous waste.

 SIGNATURE OF AUTHORIZED AGENT DATE

TRANSPORTER N.C. Brun & Son 25692 N. Cherokee Lane Galt, CA. 95632 (916) 425-7752	Job No. <u>LIVERMORE, CA</u>	Pick-Up Date <u>4/27/15</u>
	Unit No. <u>11</u> <u>8</u>	<u>[Signature]</u> SIGNATURE OF DRIVER

TSD FACILITY	METHOD OF DISPOSAL:
Name _____	<input type="checkbox"/> - Injection Well
QTY Measured _____	<input type="checkbox"/> - Landfill
EPA # _____	<input type="checkbox"/> - Land Treatment
<input type="checkbox"/> - BBL <input type="checkbox"/> - TONS <input type="checkbox"/> - OTHER	<input type="checkbox"/> - Surface Impoundment
<u>[Signature]</u> SIGNATURE OF AUTHORIZED AGENT	<input type="checkbox"/> - Other _____
<u>4/27/15</u> DATE	

POTRERO HILLS LANDFILL, INC.
 Weighed at:
 POTRERO HILLS LANDFILL, INC.
 P.O. Box 68
 FAIRFIELD, CA 94533

Deputy: Janee Quinonez
 Deposit: Janee Quinonez
 BILL TO: 2540
 SCWM (Green Compass)

Vehicle ID:
 Reference: PHLF15266
 Grid: 12N
 Halicust#: ORIGIN-LIVERMORE
 DriverOn?: N
 Route: #11 11652
 TRLR/LPW: AK6937

Origin: LIVERMORE
 DATE IN: 04/28/2015 TIME IN: 09:31:25
 DATE OUT: 04/28/2015 TIME OUT: 09:49:25

INBOUND TICKET Number: 01-00560240
 SCALE 1 GROSS WT. 67120 LB
 SCALE 3 TARE WT. 32180 LB
 NET WEIGHT 34940 LB

Qty Description Amount
 17.47 Profile Soil-T ADC
 2.00 US-Unsecured Load

N.C. Brun & Son

ALAMEDA
 Co

NON-HAZARDOUS Waste Hauler Document

Daily Field Ticket No. 11652

PHLF-15-266

GENERATOR	DESIGNATED TSD FACILITY	ALTERNATE TSD FACILITY
Name: <u>E+B NATURAL RESOURCES</u>	Name: <u>POTRERO HILLS LANDFILL</u>	Name: _____
EPA # <u>8427 PATTERSON PASS</u>	EPA # _____	EPA # _____
Address: <u>LIVERMORE, CA 94551</u>	Address: <u>SUISUN, CA</u>	Address: _____
Phone No. <u>925 321 1192</u>	Phone No. _____	Phone No. _____
Order Placed: _____	Order Date: _____	

WASTE - DRILLING MUD - GASWELL WATER - OTHER T-B-SOLIDS

Weight/Volume _____ Units _____ Container: - Dump Truck - Tank Truck

This material is nonhazardous because:
 1) it is a drilling mud containing only the additives listed by the Department in its exemption letter and contains no significant concentrations of toxic materials from natural sources, or
 2) is a sulfur-dioxide scrubber solution from a sodium hydroxide or sodium carbonate oil field boiler scrubber system, and possesses no characteristics that would require its handling as a hazardous waste.

SIGNATURE OF AUTHORIZED AGENT _____ DATE _____

TRANSPORTER
 N.C. Brun & Son
 25692 N. Cherokee Lane
 Galt, CA. 95632
 (916) 425-7752

Job No. LIVERMORE, CA
 Unit No. 11 8

Pick-Up Date 4/28/15
 SIGNATURE OF DRIVER _____

TSD FACILITY Name _____ QTY Measured _____

EPA # _____ - BBL - TONS - OTHER _____

SIGNATURE OF AUTHORIZED AGENT [Signature] DATE 4/28/15

METHOD OF DISPOSAL:
 - Injection Well
 - Landfill
 - Land Treatment
 - Surface impoundment
 - Other _____

POTRERO HILLS LANDFILL, INC.
 Weighed at:
 POTRERO HILLS LANDFILL, INC.
 P.O. Box 68
 FAIRFELD, CA 94533

Deputy: Janea Quinonez
 Deposit: Janea Quinonez
 BILL TO: 2640
 SCWM (Green Compass)

Vehicle ID:
 Reference: PHLF15266
 Grid: 12N
 Hal Cust#: ORIGIN-LIVERMORE
 DriverOn?: N
 Route: #11 11652
 TRLR/LP#: AK5937

Origin: LIVERMORE
 DATE IN: 04/23/2015 TIME IN: 13:37:29
 DATE OUT: 04/23/2015 TIME OUT: 13:58:16

INBOUND TICKET Number: 01-00560410

SCALE 1 GROSS WT. 64820 LB
 SCALE 3 TARE WT. 32020 LB
 NET WEIGHT 32800 LB

Qty Description Amount
 16.40 Profile Soil-T ADC
 2.00 US-Unsecured Load

N.C. Brun & Son

ALAMEDA, CA

PHLF-15-266

NON-HAZARDOUS Waste Hauler Document

Daily Field Ticket No. 11652

GENERATOR

Name: F+B NATURAL RESOURCES
 EPA # 8427 PATTERSON PASS RD
 Address: LIVERMORE, CA 94551
 Phone No. 925 321 1192

DESIGNATED TSD FACILITY

Name: POTRERO HILLS LANDFILL
 EPA # _____
 Address: SOLISUN, CA
 Phone No. _____

ALTERNATE TSD FACILITY

Name: _____
 EPA # _____
 Address: _____
 Phone No. _____

Order Placed: _____ Order Date: _____

WASTE

- DRILLING MUD

- GASWELL WATER

OTHER TANK BOTTOM SOLIDS

Weight/Volume _____

Units _____

Container: - Dump Truck

- Tank Truck

This material is nonhazardous because:

- 1) it is a drilling mud containing only the additives listed by the Department in its exemption letter and contains no significant concentrations of toxic materials from natural sources, or
- 2) is a sulfur-dioxide scrubber solution from a sodium hydroxide or sodium carbonate oil field boiler scrubber system, and possesses no characteristics that would require its handling as a hazardous waste.

SIGNATURE OF AUTHORIZED AGENT _____

DATE _____

TRANSPORTER

N.C. Brun & Son
 25692 N. Cherokee Lane
 Galt, CA. 95632
 (916) 425-7752

Job No. LIVERMORE, CA
 Unit No. 11 B

Pick-Up Date 4/28/15
 SIGNATURE OF DRIVER _____

TSD FACILITY

Name _____ QTY Measured _____

EPA # _____ - BBL - TONS - OTHER

METHOD OF DISPOSAL:

- Injection Well
 - Landfill
 - Land Treatment
 - Surface Impoundment
 - Other _____

SIGNATURE OF AUTHORIZED AGENT _____

DATE _____



WEIGHMASTER-Aitawont Landfill & RRF
 10040 Aitawont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1190517

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Aitawont Generic
 Ticket Date 11/06/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432MT
 Billing # 0308847 License#

Manifest NAM
 PO
 Profile 624500ER (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON P65 RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	70700 lb
In 11/06/2015 07:24:36	Scale 3	M Pena		Tare	33380 lb
Out 11/06/2015 08:01:05	Scale 1 Inb 1	Schaeffler		Net	37320 lb
				Tons	18.66

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CB Cover RGC-Tons	100	18.66	Tons				Alameda
2 RCR-D-Regulatory C	100						Alameda
3 FUEL-Fuel Surcharges	100						Alameda
4 EVF-L-Standard Env	100		Load				Alameda

DRIVER: *[Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



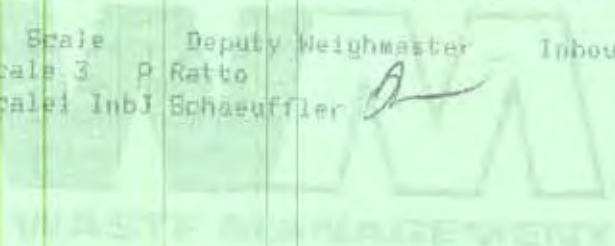
WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1100438

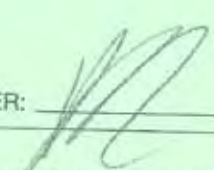
Customer Name EBNATURALRESOURCES E AND B NA Carrier: BEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9A4513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest was
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	70000 lb
In 11/06/2015 08:21:38	Scale 3	P Ratto		Tare	37060 lb
Out 11/06/2015 08:34:19	Scale: Inb	Schaeuffler		Net	32940 lb
Comments:				Tons	16.47



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	02 Cover RGD-Tons	100	16.47	Tons			Alameda
2	RGR-P-Regulatory C	100	x				Alameda
3	FUEL-Fuel Surcharg	100	x				Alameda
4	EVF-L-Standard Env	100	1	Load			Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1100449

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432NT
 Billing # 0388847 License#

Manifest wa#
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	73920 lb
In 11/06/2015 08:42:09	Scale In	Schaeuffler		Tare	33380 lb
Out 11/06/2015 08:42:09		Schaeuffler		Net	40540 lb
				Tons	20.27

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons-	100	20.27	Tons				Alameda
2 RCR-F-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100		L Lead				Alameda

DRIVER: *Robt L... [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

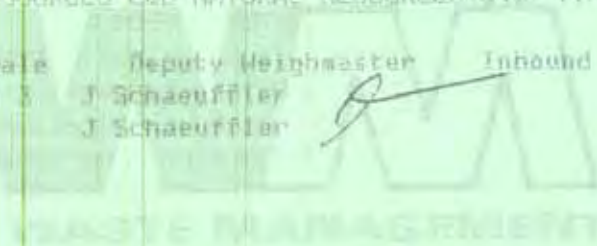
Original
 Ticket# 1100467

Customer Name EB NATURAL RESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/06/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCN EXCA 2432WT
 Billing # 0388847 License#

Manifest # 448
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES (0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	72460 lb
In 11/06/2015 02:45:31	Scale 3	J Schaeuffler		Tare	33380 lb
Out 11/06/2015 09:45:31		J Schaeuffler		Net	39080 lb
				Tons	19.56

Comments



Product	LOX	Qty	UOM	Rate	Tax	Amount	Origin
1	CR-Cover RCR-Tons	19.56	Tons				Alameda
2	RCR-R-Regulatory C		%				Alameda
3	FUEL-Fuel Surchang		%				Alameda
4	EMF-L-Standard Env	1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1100490

Customer Name EBNATURAL RESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/06/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432WT
 Billing # 0388847 License#

Manifest MAM
 PI
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PASS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74280 lb
In 11/06/2015 10:47:53	Scale In 3	Schaeffler		Tare	33380 lb
Out 11/06/2015 10:47:53		Schaeffler		Net	40900 lb
				Tons	20.45

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 E2 Cover RAC-Tons- 100		20.45	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: *Rich L...*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

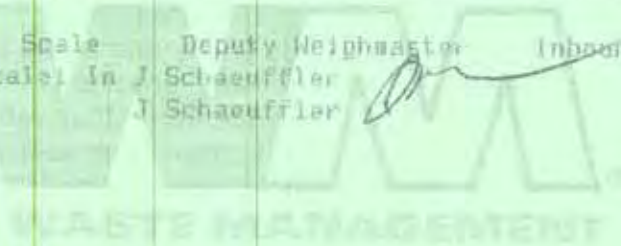
Original
 Ticket# 1100514

Customer Name: ERNATURALRESOURCES E AND B NA Carrier: GEN Alameda Generic
 Ticket Date: 11/06/2015 Vehicle#: 9D13269
 Payment Type: Credit Account Container:
 Manual Ticket#: PCN EXCA 24324T
 Billing #: 0388847 License#

Manifest: HAM
 PG
 Profile: E24500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	79740 lb
In: 11/06/2015 11:43:49	Scale: In J. Schaeffler	J. Schaeffler		Tare	33380 lb
Out: 11/06/2015 11:43:49		J. Schaeffler		Net	46360 lb
				Tons	23.18

Comments:



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	EE Cover RCE-Tons	100	23.18	Tons			Alameda
2	RER-P-Regulatory C	100		%			Alameda
3	FUEL-Fuel Surcharg	100		%			Alameda
4	EVF-L-Standard Env	100	1	Load			Alameda

DRIVER: *[Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

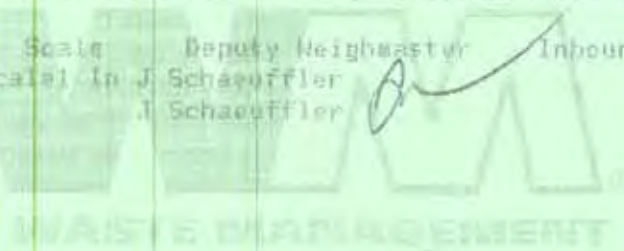
Original
 Ticket# 1100538

Customer Name: EBNATURAL RESOURCES E AND B NA Carrier: GEN Altamont Generic
 Ticket Date: 11/06/2015 Vehicle#: 9613269
 Payment Type: Credit Account Container:
 Manual Ticket# PCN EXCA 2432WT
 Billing #: 0300847 License#

Manifest: W38
 PO:
 Profile: 6245WCA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS. RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	78320 lb
In 11/06/2015 12:43:10	Scale In	J. Schaeffler		Tare	33380 lb
Out 11/06/2015 12:43:10		J. Schaeffler		Net	44940 lb
				Tons	22.47

Comments:



Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	CR-Dover RGD-Tons	100					Alameda
2	RCR-P-Regulatory C	100					Alameda
3	FUEL-Fuel Surchang	100					Alameda
4	EUF-L-Standard Env	100	1 Load				Alameda

DRIVER: *Rick White*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RR
 10840 Alameda Base Road
 Livermore, CA, 94551
 Ph: (925)455-7300

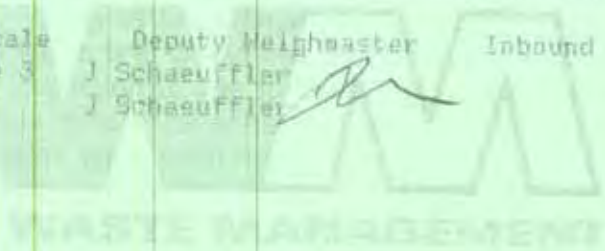
Original
 Ticket# 1100568

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/06/2015 Vehicle# 9013289
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432WT
 Billing # 0388847 License#

Manifest WAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES EEB NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75000 lb
In 11/06/2015 14:33:20	Scale 3	J Schaeuffler		Tare	33300 lb
Out 11/06/2015 14:33:20		J Schaeuffler		Net	41620 lb
				Tons	20.81

Comments



Product	LD%	Dty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover R6C-Tons- 100		20.81	Tons				Alameda
2 RCR-P-Regulatory C 100			%				
3 FUEL-Fuel Surchang 100			%				
4 ENV-L-Standard Env 100		1	Load				

DRIVER:

Red [Signature]

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10040 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

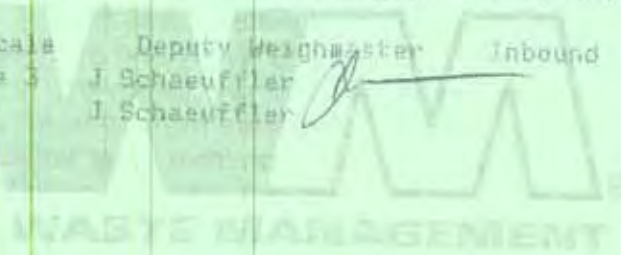
Original
 Ticket# 1100578

Customer Name EDNATURALRESOURCES E AND B NA (Carrier GEN Alameda Generic
 Ticket Date 11/06/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432NT
 Billing # 0388847 License#

Manifest WAM
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76300 lb
In 11/06/2015 15:19:46	Scale 3	J. Schaeuffler		Tare	33300 lb
Out 11/06/2015 15:19:46		J. Schaeuffler		Net	43000 lb
				Tons	21.50

Comments



Product	LIX	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover R9C-Tons- 100		21.50	Tons				Alameda
2 RCR-P-Regulatory C 100			x				Alameda
3 FUEL-Fuel Surcharg 100			x				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: *Rich Wood*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

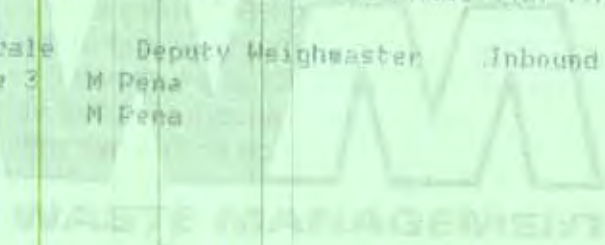
Original
 Ticket# 1100413

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 2B44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest WAM
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	67900 lb
In 11/06/2015 07:20:15	Scale 3	M Pena		Tare	38840 lb
Out 11/06/2015 07:20:15		N Pena		Net	29060 lb
				Tons	14.53

Comments



Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 CP-Cover RBC-Tons- 100		14.53	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: _____

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

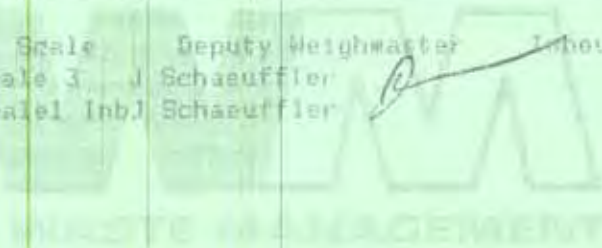
Original
 Ticket# 1100460

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9B94513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest WAR
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON P65 RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75600 lb
In 11/06/2015 09:15:09	Scale 3	J Schaeuffler		Tare	35200 lb
Out 11/06/2015 09:43:07	Scale1 Inb1	Schaeuffler		Net	38800 lb
				Tons	19.44

Comments



Product	LD%	Dty	UNIT	Rate	Tax	Amount	Origin
1 C2 Cover RBE-Tons-	100	19.44	Tons				Alameda
2 RCR-P-Regulatory E	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10040 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101360

Customer Name: EDNATURALRESOURCES E AND B NA Carrier: GEN Alameda Generic
 Ticket Date: 11/16/2015 Vehicle#: 9c14539
 Payment Type: Credit Account Container:
 Manual Ticket# HED TRN 2
 Billing # 0308847 License#

Manifest: waw
 PO:
 Profile: 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time
 In 11/16/2015 11:33:06
 Out 11/16/2015 11:33:06

Scale: Deputy Weighmaster Inbound
 Scale: In J. Schaeuffler
 J. Schaeuffler

Gross: 62560 lb
 Tare: 31380 lb
 Net: 31180 lb
 Tons: 15.59

Comments:



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 GC Cover RGC-Tons- 100		15.59	Tons				Alameda
2 PCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surchang 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



WEIGHMASTER-Alameda Landfill & PRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

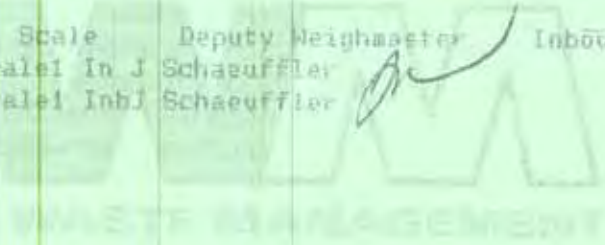
Original
 Ticket# 1100482

Customer Name EBNATURAL RESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/06/2015 Vehicle# 9544513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388047 License#


Manifest wa#
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	70460 lb
In 11/06/2015 10:36:23	Scale1 In J Schaeffler			Tare	36040 lb
Out 11/06/2015 10:49:55	Scale1 In J Schaeffler			Net	34420 lb
				Tons	17.21

Comments



Product	LDX	Qty	UCM	Rate	Tax	Amount	Origin
1 C2 Cover R6C-Tons- 100		17.21	Tons				Alameda
2 RGR-P-Regulatory C 100			*				Alameda
3 FUEL-Fuel Surcharg 100			*				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:  Total Tax
 Total Ticks

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

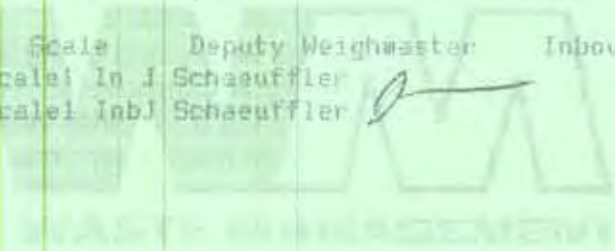
Original
 Ticket# 1100509

Customer Name EDNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9b44013
 Payment Type Credit Account Container
 Manual Ticket# PCN EXCA TRKM 2132
 Billing # 0386047 License#

Manifest was
 PO
 Profile 62450MCA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76680 lb
In 11/06/2015 11:34:00	Scale: In J Schaeuffler			Tare	33440 lb
Out 11/06/2015 11:46:06	Scale: Inb J Schaeuffler			Net	43240 lb
				Tons	21.62

Comments



Product	LDA	Rty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		21.62	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1100529

Customer Name EDNATURALRESOURCES E AND B WA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9544513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRN 2132
 Billing # 0308847 License#

Manifest WA#
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES(0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74100 lb
In 11/06/2015 12:39:01	Scale: In P Ratio			Tare	33440 lb
Out 11/06/2015 12:39:01	P Ratio			Net	40660 lb
				Tons	20.33

Comments



Product	LO#	Qty	UDM	Rate	Tax	Amount	Origin
1. C2 Cover RGC-Tons- 100		20.33	Tons				Alameda
2. RCR-P-Regulatory C 100			%				Alameda
3. FUEL-Fuel Surchang 100			%				Alameda
4. EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: Total Tax
Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

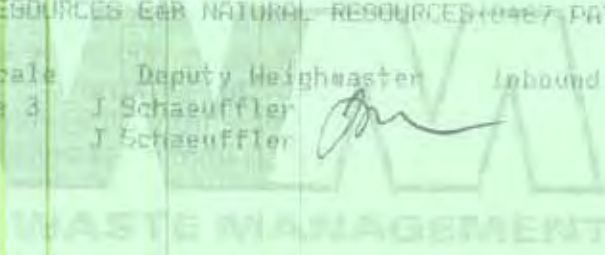
Original
 Ticket# 1100549

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/06/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCP TRKN 2132
 Billing # 0380847 License#

Manifest num
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (0447 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	70600 lb
In 11/06/2015 13:27:36	Scale 3	J Schaeuffler		Tare	33440 lb
Out 11/06/2015 13:27:36		J Schaeuffler		Net	37160 lb
				Tons	18.58

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGE-Tons- 100		18.58	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1100562

Customer Name EBNATURALRESOURCES E AND S NA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKW 2132
 Billing # 0380047 License#


Manifest W28
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&S NATURAL RESOURCES 18467 PATTERSON PGS RD

Time	Scale	Deputy Weighmaster	Inbound	Gross	77300 lb
In 11/06/2015 14:18:54	Scale 3	M Pena		Tare	33440 lb
Out 11/06/2015 14:18:54		M Pena		Net	43860 lb
				Tons	21.93

Comments

WASTE MANAGEMENT

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		21.93	Tons				Alameda
2 RGR-P-Regulatory C 100			%				
3 FUEL-Fuel Surcharg 100			%				
4 EWF-L-Standard Env 100		1	Load				

DRIVER: 

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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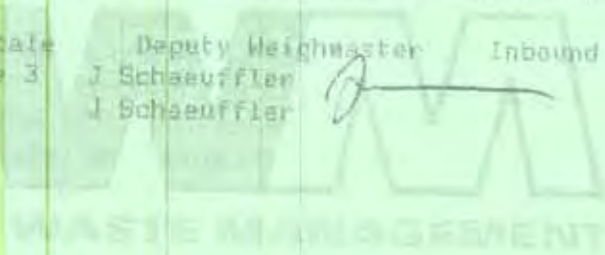
WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1100577

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/06/2015 Vehicle# 9B44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRM 2132
 Billing # 0388847 License#

Manifest 000
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross 74720 lb
 In 11/06/2015 15:08:10 Scale 3 J Schaeuffler Tare 33440 lb
 Out 11/06/2015 15:08:10 J Schaeuffler Net 41280 lb
 Comments Tons 20.64



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		20.64	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-AltaMont Landfill & BRF
 10040 AltaMont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

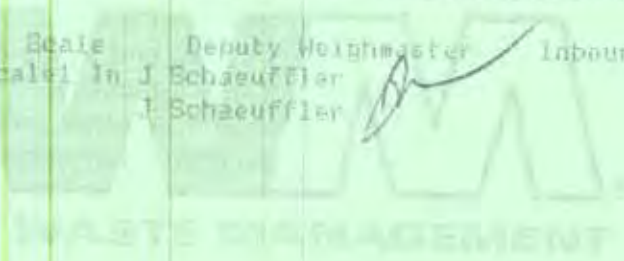
Original
 Ticket# 1101316

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN AltaMont Generic
 Ticket Date 11/16/2015 Vehicle# 3e15530
 Payment type Credit Account Container
 Manual Ticket# HED TRKN 2
 Billing # 0388847 License#


Manifest W00
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EE NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross
 In 11/16/2015 08:42:59 Scale In J Schaeuffler 64200 lb
 Out 11/16/2015 08:42:59 J Schaeuffler Tare 31380 lb
 Net 32850 lb
 Tons 16.43

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 G2 Cover RBC-Tons- 100		16.43	Tons				Alameda
2 RCA-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surchang 100			%				Alameda
4 EVF-L-Standard Env 100			Load				Alameda

DRIVER: 

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Park Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101345

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Altamont Generic
 Ticket Date 11/16/2015 Vehicle# 9c14529
 Payment Type Credit Account Container
 Manual Ticket# HED TPKW 2
 Billing # 0388847 License#

Manifest waa
 PO
 Profile 524500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross 65620 lb
 In 11/16/2015 10:00:06 Scale 3 J Schaeuffler Tare 31380 lb
 Out 11/16/2015 10:00:06 J Schaeuffler Net 34240 lb
 Tons 17.12

Comments:

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		17.12	Tons				Altameda
2 HCR-P-Regulatory C 100			%				
3 FUEL-Fuel Surcharg 100			%				
4 EVF-L-Standard Env 100			Lead				

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill 2 BAF
 (6840 Altamont Peak Road
 Livermore, CA, 94551)
 Ph: (925)455-7300

Original
 Ticket# 1101310

Customer Name EBNATURAL RESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/16/2015 Vehicle# 2644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest map
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	77200 lb
In 11/16/2015 08:05:45	Scaled In	J. Schaeuffler		Tare	33440 lb
Out 11/16/2015 08:05:45		J. Schaeuffler		Net	43760 lb
				Tons	21.88

Comments:

Product	LDS	Dty	UOM	Rate	Tax	Amount	Origin
1. Cover RGC-Tons	100		Tons	21.88			Alameda
2. RCR-P-Regulatory C	100		X				
3. FUEL-Fuel Surcharg	100		X				
4. EVF-L-Standard Env	100		Load				

DRIVER: _____

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101183

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/13/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRIM 2132
 Billing # 0388847 License#

Manifest wa#
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74960 lb
In 11/13/2015 08:13:02	Scales In 3	Schaeuffler		Tare	33440 lb
Out 11/13/2015 08:13:02		J Schaeuffler		Net	41520 lb
				Tons	20.76

Comments

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1 G2 Cover RGC-Tons- 100		20.76	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Aitامت Landfill & RRF
 10840 Aitامت Paces Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101325

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Aitامت Generic
 Ticket Date 11/16/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manifest Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest via
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-ER NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross 75460 lb
 In 11/16/2015 09:18:19 Scale 3 P Ratio Tare 33440 lb
 Out 11/16/2015 09:18:19 P Ratio Net 42020 lb
 Tons 21.01

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CS-Cover RBC-Tons- 100		21.01	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: _____

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Park Road
 Livermore, CA, 94551
 Ph: (925)455-7300

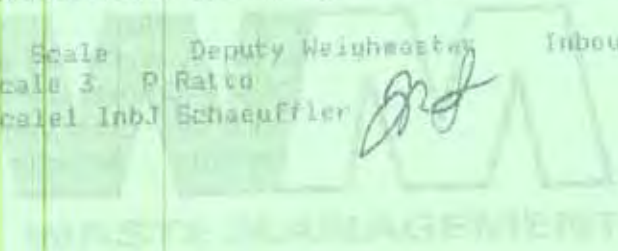
Original
 Ticket# 1101173

Customer Name EBNATURALRESOURCES E AND B NR Carrier GEN Alameda Generic
 Ticket Date 11/13/2015 Vehicle# 9cl4539
 Payment Type Credit Account Container
 Manual Ticket# HED TRKN 2
 Billing # 0389847 License#

Manifest was
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	64560 lb
In 11/13/2015 07:44:55	Scale 3	P Ratto		Tare	31380 lb
Out 11/13/2015 08:06:13	Scale 1 InbJ	Schaeuffler		Net	33180 lb
				Tons	16.59

Comments:



Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 CE Cover RBC-Tons	100	16.59	Tons				Alameda
2 RCR-P-Regulatory D	100		%				Alameda
3 FUEL-Fuel Surchang	100		%				Alameda
4 ENV-L-Standard Env	100		Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101195

Customer Name: EB NATURAL RESOURCES E AND B NA Carrier: GEN Alameda Generic
 Ticket Date: 11/13/2015 Vehicle# 9c14539
 Payment Type: Credit Account Container: HED TRKN 2
 Manual Ticket# License#
 Billing # 0308847

Manifest Name
 PO
 Profile: 62450MCA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES (PS&T PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Labour	Gross	66440 lb
In: 11/13/2015 08:58:02	Scale 3	P Ratto		Tare	31380 lb
Out: 11/13/2015 08:58:02		P Ratto		Net	35060 lb
				Tons	17.53

Comments

WASTE MANAGEMENT

Product	LD%	Dty	UDM	Rate	Tax	Amount	Origin
1		17.53	Tons				Alameda
2			%				Alameda
3			%				Alameda
4		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1101216

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/13/2015 Vehicle# 3c14539
 Payment Type Credit Account Container
 Manual Ticket# HED TRKN 2
 Billing # 0388647 License#

Manifest WMM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	64800 lb
In 11/13/2015 09:57:31	Scale 3	J Schaeuffler		Tare	31380 lb
Out 11/13/2015 09:57:31		J Schaeuffler		Net	33500 lb
				Tons	16.75

Comments

Product	LDN	Qty	UOM	Rate	Tax	Amount	Origin
1	E2 Cover RGC-Tons-	100	16.75	Tons			Alameda
2	RGR-P-Regulatory C	100	%				Alameda
3	FUEL-Fuel Surcharg	100	%				Alameda
4	EVE-L-Standard Env	100	1	Load			Alameda

DRIVER: 

WEIGHMASTER CERTIFICATE

Total Tax
 Total Ticket

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

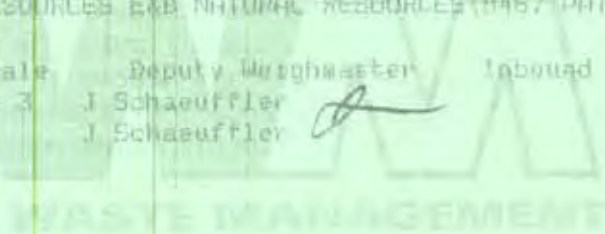
Original
 Ticket# 1101227

Customer Name EBNATURALRESOURCES E AND B HA Carrier GEN Alameda Generic
 Ticket Date 11/13/2015 Vehicle# 9e14539
 Payment Type Credit Account Container
 Manual Ticket# MED 18KH 2
 Billing # 0368847 License#

Manifest WRM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (1467 PATTERSON PASS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	65240 lb.
In 11/13/2015 11:00:23	Scale 3	J. Schaeuffler		Tare	31300 lb.
Out 11/13/2015 11:09:23		J. Schaeuffler		Net	33960 lb.
				Tons	16.93

Comments



Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 G2 Cover RGC-Tons- 100		16.93	Tons				Alameda
2 RCR-P-regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

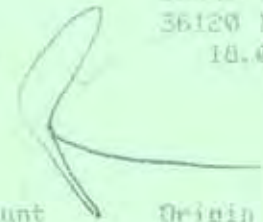
Original
 Ticket# 1101242

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/13/2015 Vehicle# 9c14539
 Payment Type Credit Account Container
 Manual Ticket# HED TRUCK 2
 Billing # 0388847 License#

Manifest Name
 PG
 Profile 6245WCA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES; EEB NATURAL RESOURCES; 3467 (PATTERSON PASS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	67500 lb
In 11/13/2015 12:28:47	Scale 3	P Ratio		Tare	31380 lb
Out 11/13/2015 12:28:47		P Ratio		Net	36120 lb
				Tons	18.06

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		18.06	Tons				Alameda
2 RCR-P-Regulatory E 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

WEIGHMASTER CERTIFICATE

Total Tax
 Total Ticket

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WEIGHMASTER-Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 435-7300

Original
 Ticket# 1101254

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/13/2015 Vehicle# 9c14539
 Payment Type Credit Account Container
 Manual Ticket# HED TRKN 2
 Billing # 0380847 License#

Manifest NAM
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES (8457 PATTERSON BSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	
In 11/13/2015 13:33:05	Scale 3	J. Schaeffler		65740 lb	
Out 11/13/2015 13:33:05		J. Schaeffler		Tare 31380 lb	
				Net 34360 lb	
				Tons 17.18	

Comments

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1. C2 Cover RBC-Tons- 100		17.18	Tons				Alameda
2. RCR-P-Regulatory C 100							Alameda
3. FUEL-Fuel Surcharg 100							Alameda
4. EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

WEIGHMASTER CERTIFICATE

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Total Tax
 Total Ticket



WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101266

Customer Name EBNATURALRESOURCES E AND S NA Carrier GEN Altamont Generic
 Ticket Date 11/13/2015 Vehicle# 9c14539
 Payment Type Credit Account Container
 Manual Ticket# HED TRKH 2
 Billing # 0388047 License#

Manifest WAM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&S NATURAL RESOURCES(12467 PATTERSON PDS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	60320 lb
In 11/13/2015 14:44:13	Scale 3	J. Schaeuffler		Tare	31380 lb
Out 11/13/2015 14:44:13		J. Schaeuffler		Net	36940 lb
				Tons	18.47

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGD-Tons	100	18.47	Tons				Alameda
2 RCR-P-Regulatory C	100		X				Alameda
3 FUEL-Fuel Surcharg	100		X				Alameda
4 EVF-L-Standard Env	100	1	Lead				Alameda

DRIVER:

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101203

Customer Name EBNATURALRESOURCES E AND B NR Carrier GEN Alameda Generic
 Ticket Date 11/13/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRM 2132
 Billing # 0308847 License#

Manifest Name
 PQ
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	79120 lb
In 11/13/2015 09:38:57	Scale 3	J Schaeuffler		Tare	33440 lb
Out 11/13/2015 09:39:57		J Schaeuffler		Net	45680 lb
				Tons	22.84

Comments

WEIGHMASTER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		22.84	Tons				Alameda
2 RCR-P-Regulatory C 100			%				
3 FUEL-Fuel Surcharg 100			%				
4 EVF-L-Standard Env 100			Lead				

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101220

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/13/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 8308847 License#

Manifest wa#
 DO
 Profile 524500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74650 lb
In 11/13/2015 10:45:44	Scale 3	P Ratto		Tare	33440 lb
Out 11/13/2015 10:45:44		P Ratto		Net	41220 lb
				Tons	20.61

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		20.61	Tons				Alameda
2 RCP-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surchang 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101237

Customer Name: ERNATURALRESOURCES E AND B NA Carrier: GEN Altamont Generic
 Ticket Date: 11/13/2015 Vehicle#: 9b44513
 Payment Type: Credit Account Container:
 Manual Ticket# PDM EXCA TRKN 2132
 Billing # 0368847 License#

Manifest: wam
 PQ
 Profile: 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(3467 PATERSON PSS RD)

Time	Scale	Deputy Weighmaster	Labour	Gross	75500 lb
In 11/13/2015 11:57:06	Scale 3	P. Ratko		Tare	33440 lb
Out 11/13/2015 11:57:06		P. Ratko		Net	42120 lb
				Tons	21.06

Comments:

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover RCL-Tons- 100		21.06	Tons				Alameda
2 RCP-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100			Load				Alameda

DRIVER: 

WEIGHMASTER CERTIFICATE

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Total Tax
 Total Ticket



WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101251

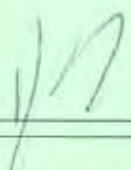
Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/13/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EX/CA TPKW 2132
 Billing # @308847 License#

Manifest WMM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES-EBB NATURAL RESOURCES 0457 (PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Labour	Gross	71100 lb
In 11/13/2015 13:11:31	Scale 3	J. Schaeffler		Tare	33440 lb
Out 11/13/2015 13:11:31		J. Schaeffler		Net	37660 lb
				Tons	18.83

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1. CE-Cover RGC-Tons- 100		18.83	Tons				Alameda
2. RCR-P-Regulatory C 100			%				Alameda
3. FUEL-Fuel Surcharg 100			%				Alameda
4. EVF-L-Standard Env 100			Load				Alameda

DRIVER: 

WEIGHMASTER CERTIFICATE

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Total Tax
 Total Ticket



WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

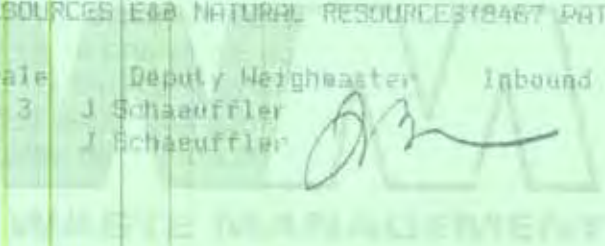
Original
 Ticket# 1101264

Customer Name EBNATURALRESOURCES E AND R NA Carrier GEN Alameda Generic
 Ticket Date 11/13/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKH 2132
 Billing # 0388847 License#

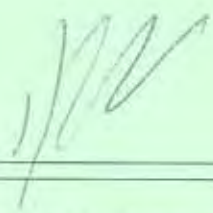
Manifest WAM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES 18467 PATTERSON PASS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	73260 lb
In 11/13/2015 14:24:25	Scale 3	J Schaeuffler		Tare	33440 lb
Out 11/13/2015 14:24:25		J Schaeuffler		Net	39820 lb
				Tons	19.91

Comments



Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		19.91	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100			Load				Alameda

DRIVER: 

WEIGHMASTER CERTIFICATE

Total Tax
 Total Ticket

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

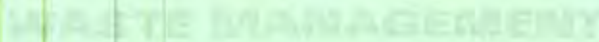
Original
 Ticket# 1101033

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRN 2132
 Billing # 0308947 License#

Manifest Item
 PD
 Profile E2450009 (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL-RESOURCES-2467 PATTERSON PSS RD

Time	Scale	Deputy Weighmaster	Tabound	Gross	78260 lb
In 11/20/2015 07:39:23	Scale 3	P Ratio		Tare	33440 lb
Out 11/20/2015 07:39:23		D Ratio		Net	44820 lb
				Tons	22.41

Comments



Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover H9C-Tons	100	22.41	Tons				Alameda
2 PCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surchang	100		%				Alameda
4 EVF-L-Standard Env	100	1	Lead				Alameda

DRIVER:

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RR
 10840 Alameda Pave Road
 Livermore, CA, 94551
 Ph: (925)455-7300

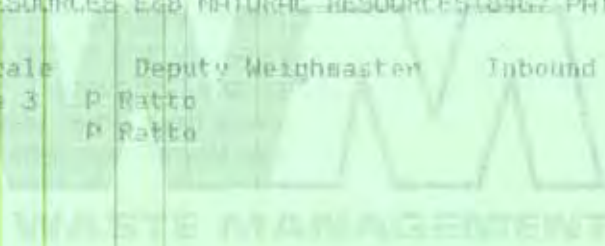
Original
 Ticket# 1101852

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9B44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest name
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (6467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76240 lb
In 11/20/2015 08:37:26	Scale 3	P Ratto		Tare	33440 lb
Out 11/20/2015 08:37:26		P Ratto		Net	42800 lb
				Tons	21.40

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		21.40	Tons				Alameda
2 RCR-P-Regulatory C 100							Alameda
3 FUEL-Fuel Surcharg 100							Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & BRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

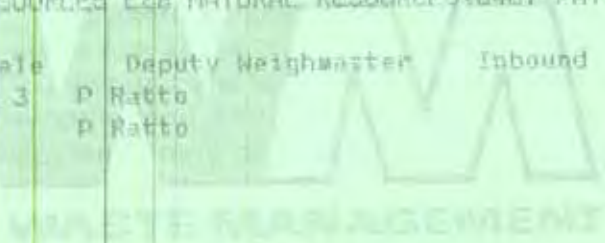
Original
 Ticket# 1101869

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest #000
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	80180 lb
In 11/20/2015 09:32:21	Scale 3	P Ratto		Tare	33440 lb
Out 11/20/2015 09:32:21		P Ratto		Net	46740 lb
				Tons	23.37

Comments



Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		23.37	Tons				Alameda
2 RCR-P-Regulatory E 100			%				Alameda
3 FUEL-Fuel Surchang 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 PH: (925)455-7300

Original
 Ticket# 1101078

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCR EXCA TRKN 2132
 Billing # 0388847 License#

Manifest Name
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SGTL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (0467-PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	78220 1b
In 11/20/2015 10:30:50	Scale 3	J Schaeuffler		Tare	33440 1b
Out 11/20/2015 10:30:50		J Schaeuffler 		Net	44780 1b
				Tons	22.39

Comments



Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover R6C-Tons- 100		22.39	Tons				Alameda
2 PCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Storage 100			%				Alameda
4 EWF-L-Standard Env 100			Load				Alameda

DRIVER: 

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101889

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0308047 License#


Manifest W30
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	78700 lb
In 11/20/2015 11:21:07	Scale 3	J Schaeuffler		Tare	33440 lb
Out 11/20/2015 11:21:07		J Schaeuffler		Net	45260 lb
				Tons	22.63

Comments

WASTE MANAGEMENT

Product	LDN	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		22.63	Tons				Alameda
2 RCR-P-Regulatory C 100			T				Alameda
3 FUEL-Fuel Surcharg 100			T				Alameda
4 EVF-L-Standard Env 100			Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

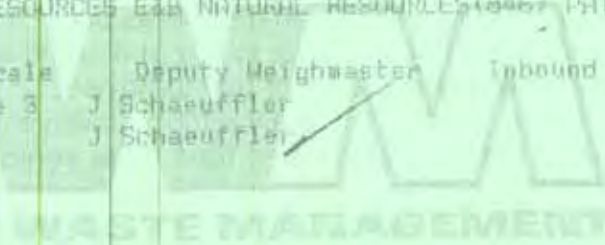
Original
 Ticket# 1101894

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest #
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	
In 11/20/2015 12:18:17	Scale 3	J Schaeuffler		Tare	74180 lb
Out 11/20/2015 12:18:17		J Schaeuffler		Net	33440 lb
				Tons	40740 lb
					20.37

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		20.37	Tons				Alameda
2 RCR-F-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Lead				Alameda

DRIVER: _____

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

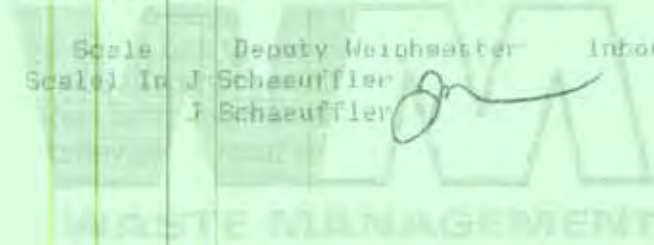
Original
 Ticket# 1101905

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRGN 2132
 Billing # 03880v7 License#

Manifest wam
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75560 lb
In 11/20/2015 13:12:53	Scaled In	J. Schaeuffler		Tare	33440 lb
Out 11/20/2015 13:12:53		J. Schaeuffler		Net	42120 lb
				Tons	21.06

Comments:



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1. GE Cover RCR-Tons	100	21.06	Tons				Alameda
2. RCR-P-Regulatory C	100		%				Alameda
3. FUEL-Fuel Surcharg	100		%				Alameda
4. EVF-L-Standard Env	100	1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

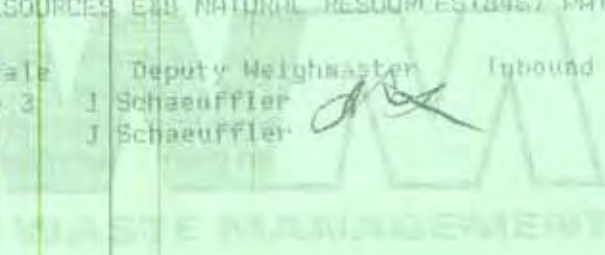
Original
 Ticket# 1101916

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/20/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN P132
 Billing # 0388847 License#

Manifest #44
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES(10457 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75300 lb
In 11/20/2015 14:03:16	Scale 3	J Schaeuffler		Tare	33900 lb
Out 11/20/2015 14:03:16		J Schaeuffler		Net	41400 lb
				Tons	20.93

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		20.93	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Sunchang 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.





WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Plaza Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101934

Customer Name: EDNATURALRESOURCES E AND B NA Carrier: GEN Altamont Generic
 Ticket Date: 11/20/2015 Vehicle#: 9b44513
 Payment Type: Credit Account Container:
 Manual Ticket# PCM EXCA TRKN 2132
 Billing #: 0388847 License#

Manifest WA#
 PO
 Profile: 524500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURALRESOURCES-EB NATURAL-RESOURCES (1647 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	73380 lb
In 11/20/2015 14:57:32	Scale 3	J Schaeuffler		Tare	33440 lb
Out 11/20/2015 14:57:32		J Schaeuffler		Net	39940 lb
				Tons	19.97

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 G2 Cover RBC-Tone- 100		19.97	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax

WEIGHMASTER CERTIFICATE

Total Ticket

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101837

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432MT
 Billing # 0388847 License#

Manifest H3E
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (1642 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross 74260 lb
 In 11/20/2015 07:52:24 Scale 3 P Ratio Tare 33380 lb
 Out 11/20/2015 07:52:24 P Ratio Net 40880 lb
 Tons 20.44

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1		20.44	Tons				Alameda
2			%				Alameda
3			%				Alameda
4		1	Load				Alameda

DRIVER: *Rich [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Park Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101057

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCN EXCA 2432WT
 Billing # 0308847 License#

Manifest M48
 PO
 Profile 124500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES 14467 PATTERSON PSS (R)

Time	Scale	Deputy Weighmaster	Inbound	Gross	80050 lb
In 11/20/2015 08:53:10	Scale 3	J Schaeuffler		Tare	33380 lb
Out 11/20/2015 08:53:10		J Schaeuffler		Net	46680 lb
				Tons	23.34

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons	100	23.34	Tons				Alameda
2 RCR-R-Regulatory C	100		X				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EWF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Rob L...*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10640 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101074

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Altamont Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment type Credit Account Container
 Manual Ticket# PCM EXCA 2432NT
 Billing # 0308047 License#

Manifest WAF
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	78500 lb
In 11/20/2015 10:00:43	Scale 3	J Schaeuffler		Tare	33300 lb
Out 11/20/2015 10:00:43		J Schaeuffler		Net	45200 lb
				Tons	22.60

Comments

Product	LDX	Dty	DOM	Rate	Tax	Amount	Origin
1 CE Cover R6C-Tons- 100		22.60	Tons				Alameda
2 RER-P-Regulatory C 100			X				
3 FUEL-Fuel Surcharg 100			X				
4 EVF-L-Standard Env 100		1	Load				

DRIVER: *Rob L...*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101882

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PDM EXCA 2432MT
 Billing # 0388847 License#

Manifest # 999
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	80540 lb
In 11/20/2015 10:49:29	Scale 3	J Schaeuffler		Tare	33380 lb
Out 11/20/2015 10:49:29		J Schaeuffler		Net	47160 lb
				Tons	23.58

Comments:

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RC- Tons	100	23.58	Tons				Alameda
2 RCRA-H-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surchang	100		%				Alameda
4 EVF-L-Standard Env	100		Load				Alameda

DRIVER: *Phil Kukul*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

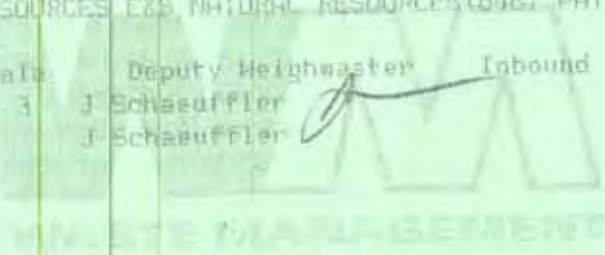
Original
 Ticket# 1101892

Customer Name EBNATURALRESOURCES E AND S NA Carrier BEN Altamont Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432WT
 Billing # 0388047 License#

Manifest NAM
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&S NATURAL RESOURCES (0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	
In 11/20/2015 11:49:36	Scale 3	J. Schaeffler		73820	lb
Out 11/20/2015 11:49:36		J. Schaeffler		33380	lb
				40440	lb
				20.22	Tons

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons	100	20.22	Tons				Alameda
2 RCR-P-Regulatory E	100		%				
3 FUEL-Fuel Surcharg	100		%				
4 LVF-L-Standard Env	100	1	Lead				

DRIVER:

Rich Lohr

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101900

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432NT
 Billing # 0388047 License#

Manifest WAM

PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES 1067 PATTERSON PASS RD

Time	Scale	Deputy Weighmaster	Inbound	Gross	76120 lb
In 11/20/2015 12:43:20	Scale 3	R Rojas		Tare	33380 lb
Out 11/20/2015 12:43:20		R Rojas		Net	42740 lb
				Tons	21.37

Comments



Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover R60-Tons- 100		21.37	Tons				Alameda
2 PCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surchang 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: *Dick L...*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

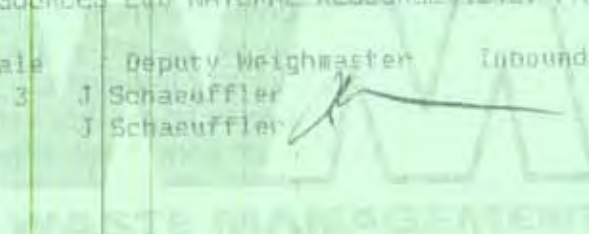
Original
 Ticket# 1101310

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432WT
 Billing # 0308847 License#

Manifest W3W
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	
In 11/20/2015 13:38:57	Scale 3	J Schaeuffler			73100 lb
Out 11/20/2015 13:38:57		J Schaeuffler			33380 lb
					Net 39720 lb
					Tons 19.86

Comments



Product	LOS	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons-	100	19.86	Tons				Alameda
2 PCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Rich L...*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101931

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/20/2015 Vehicle# 9d13249
 Payment Type Credit Account Container
 Manual Ticket# SAUVI TRUP
 Billing # 0388047 License#

Manifest WAM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 184-EB NATURALRESOURCES E&B NATURAL RESOURCES (846 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	73960 lb
In 11/20/2015 14:26:10	Scale 3	J. Schaeuffler		Tare	28760 lb
Out 11/20/2015 14:26:10		J. Schaeuffler		Net	45200 lb
				Tons	22.60

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	CC-Cover RBC-Tons	100	22.60	Tons			Alameda
2	RCP-P-Regulatory C	100	x				Alameda
3	FUEL-Fuel Surcharg	100	x				Alameda
4	EVF-L-Standard Env	100	1	Load			Alameda

DRIVER: *Paul [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RR#
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101938

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/20/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432MT
 Billing # 0388847 License#

Manifest #88
 PO
 Profile 6245@OCA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(4467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75160 lb
In 11/20/2015 15:11:42	Scale 3	J Schaeuffler		Tare	33380 lb
Out 11/20/2015 15:11:42		J Schaeuffler		Net	41780 lb
				Tons	20.89

Comments

Product	LDX	Qty	UCM	Rate	Tax	Amount	Origin
1 C2 Cover R6C-Tons- 100		20.89	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L Standard Env 100		1	Load				Alameda

DRIVER: *Rich White*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & PRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

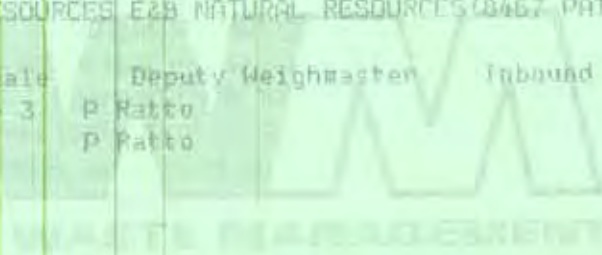
Original
 Ticket# 1101988

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/23/2015 Vehicle# 9b44S13
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest # 000
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	70940 lb
In 11/23/2015 07:31:20	Scale 3	P Ratio		Tare	33440 lb
Out 11/23/2015 07:31:20		P Ratio		Net	37500 lb
				Tons	18.75

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 DE Cover RGC-Tons-	100	18.75	Tons				Alameda
2 PCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102004

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKW 2132
 Billing # 0308847 License#

Manifest 000
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	73780 lb
In 11/23/2015 08:35:06	Scale 3	P Ratto		Tare	33440 lb
Out 11/23/2015 08:35:06		P Ratto		Net	40340 lb
				Tons	20.17

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons	100	20.17	Tons				Alameda
2 PCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Lead				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RR
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

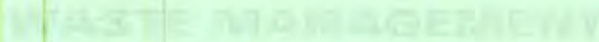
Original
 Ticket# 1102014

Customer Name EBNATURALRESOURCES E AND B NA Carrier: GEN Alameda Generic
 Ticket Date 11/23/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#


Manifest: waw
 PG
 Profile: 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 054-EB NATURALRESOURCES E&B NATURAL RESOURCES (0467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74420 lb
In 11/23/2015 09:46:05	Scale 3	R Rojas		Tare	33440 lb
Out 11/23/2015 09:46:05		R Rojas		Net	40980 lb
				Tons	20.49

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tans-	100	20.49	Tons				Alameda
2 RCR-P-Regulatory E	100		%				
3 FUEL-Fuel Surcharg	100		%				
4 EVF-L-Standard Env	100	1	Load				

DRIVER: 

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Aitامت Landfill & RRF
 10840 Aitامت Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102023

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Aitامت Generic
 Ticket Date 11/23/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRAIL 2132
 Billing # 0388047 License#

Manifest was
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

	Time	Scale	Deputy Weighmaster	Inbound	Gross	74500 lb
In	11/23/2015 10:42:39	Scale 3	P Ratto		Tare	33440 lb
Out	11/23/2015 10:42:39		P Ratto		Net	41100 lb
					Tons	20.57

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		20.57	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1102042

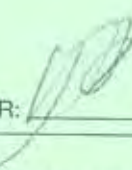
Customer Name EBNATURAL RESOURCES E AND B MA Carrier GEN Alameda Generic
 Ticket Date 11/23/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest was
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURAL RESOURCES EIA NATURAL RESOURCES (8467 PATTERSON P95 RD)

Time Scale Deputy Weighmaster Inbound Gross 74540 lb
 In 11/23/2015 11:36:29 Scale 3 P Ratio Taxe 33440 lb
 Out 11/23/2015 11:36:29 P Ratio Net 41100 lb
 Tons 20.55

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		20.55	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102053

Customer Name EBNATURALRESOURCES E AND B NO Carrier GEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388947 License#

Manifest #22
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74500 lb
In 11/23/2015 12:26:47	Scale 3	P Ratto		Tare	33440 lb
Out 11/23/2015 12:28:47		P Ratto		Net	41160 lb
				Tons	20.58

Comments

WM WASTE MANAGEMENT

Product	LT%	Dty	UOM	Rate	Tax	Amount	Origin
1 CE Cover RBC-Tons- 100		20.58	Tons				Alameda
2 RCP-R-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EYF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1102056

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRIN 2122
 Billing # 0388947 License#

Manifest WRM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 159-EB NATURAL RESOURCES E&B NATURAL RESOURCES (4467 PATTERSON PASS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	77540 lb
In 11/23/2015 13:32:29	Scale 3	R Rojas		Tare	33440 lb
Out 11/23/2015 13:32:29		R Rojas		Net	44100 lb
				Tons	22.05

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RSC-Tons- 100		22.05	Tons				Alameda
2 RCR-P-Regulatory C 100			x				Alameda
3 FUEL-Fuel Surchang 100			x				Alameda
4 EVF-L-Standard Env. 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102079


Customer Name EPNATURALRESOURCES E AND B NA Carrier BEN Alameda Generic
 Ticket Date 11/23/2015 Vehicle# 9844513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRIN 2132
 Billing # 0388847 License#

Manifest was
 PO
 Profile 62450MCA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES EMB NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74500 lb
In 11/23/2015 14:30:33	Scale 3	R Rojas		Tare	33440 lb
Out 11/23/2015 14:30:33		R Rojas		Net	41240 lb
				Tons	20.62

Comments

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 E2 Cover RSC-Tens- 100		20.62	Tons				Alameda
2 RCP-P-Regulatory C 100		%					Alameda
3 FUEL-Fuel Surcharg 100		%					Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & PFI
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102087

Customer Name ENNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest HAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED) SDIL
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75000 lb
In 11/23/2015 15:32:31	Scale 3	R Rojas		Tare	33440 lb
Out 11/23/2015 15:32:31		R Rojas		Net	41560 lb
				Tons	20.78

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1. CG Cover RGC-Tons- 100		20.78	Tons				Alameda
2. RCP-P-Regulatory C 100			x				Alameda
3. FUEL-Fuel Surcharg 100			x				Alameda
4. EVF-L-Standard Env 100		1	Load				Alameda

DRIVER 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1101985

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432MT
 Billing # 0308847 License#

Manifest was
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(0467, PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	72240	lb
In 11/23/2015 07:20:42	Scale 3	P Ratto		Tare	33380	lb
Out 11/23/2015 07:20:42		P Ratto		Net	38860	lb
				Tons	19.43	

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	CR Cover RBC-Tons-	100	19.43	Tons			Alameda
2	RCR-P-Regulatory C	100	%				
3	FUEL-Fuel Surcharg	100	%				
4	EVF-L-Standard Env	100	1	Lead			

DRIVER: *Phil WMM*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & PPF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1101999

Customer Name EBNATURAL RESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCN EXCA 2432HT
 Billing # 0300047 License#

Manifest W38
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES E&B PATTERSON P55 RD/

Time Scale Deputy Weighmaster Inbound Gross 73500 lb
 In 11/23/2015 00:21:54 Scale 3 P Ratio Tare 33300 lb
 Out 11/23/2015 00:21:54 P Ratio Net 40120 lb
 Tons 20.05

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CC-Cover RBC-Tons- 100		20.06	Tons				Alameda
2 RCA-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EME-L-Standard Env 100		1	Load				Alameda

DRIVER: *Dick Lohmeyer*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RR
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102010

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9D13369
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432MT
 Billing # 0388847 License#

Manifest wa#
 PG
 Profile 524500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PGS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74160 lb
In 11/23/2015 09:14:51	Scale 3	P Ratto		Tare	33380 lb
Out 11/23/2015 09:14:51		P Ratto		Net	40780 lb
				Tons	20.39

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CE Cover RBC-Tons- 100		20.39	Tons				Alameda
2 RCP-P-Regulatory C 100			X				Alameda
3 FUEL-Fuel Surchang 100			X				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: *Paul Kelly*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

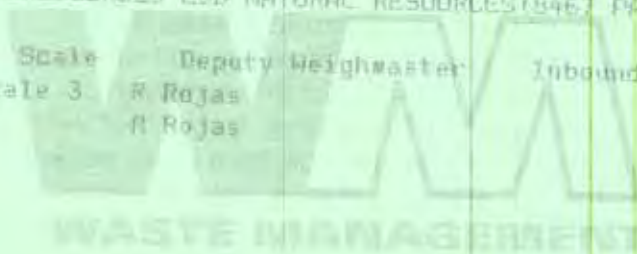
Original
 Ticket# 1162019

Customer Name EB NATURAL RESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/23/2015 Vehicle# 9D132C9
 Payment Type Credit Account Container
 Manual Ticket# PCN EXCA 2432WT
 Billing # 0388047 License#

Manifest W9W
 PQ

Profile 684500EA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES ESB NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy	Weighmaster	Inbound	Gross	77040 lb
In 11/23/2015 10:15:06	Scale 3	R Rojas			Tare	33380 lb
Out 11/23/2015 10:15:06		R Rojas			Net	43660 lb
					Tons	21.83



Comments

Product	LOS	Dty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover R6C-Tons- 100		21.83	Tons				Alameda
2 PCR-P-Regulatory C 100		*					Alameda
3 FUEL-Fuel Surcharg 100		*					Alameda
4 EWF-L-Standard Env 100		1	Load				Alameda

DRIVER: *Richard [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102033

Customer Name EBNATURAL-RESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 11/23/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432MT
 Billing # 0389847 License#

Manifest W38
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-ED NATURAL-RESOURCES E&B, NATURAL-RESOURCES (0467, PATTERSON PSS RD)

Type	Scale	Deputy Weighmaster	Inbound	Gross	74760 lb
In 11/23/2015 11:17:23	Scale 3	P Ratio		Tare	33300 lb
Out 11/23/2015 11:17:23		P Ratio		Net	41380 lb
				Tax	20.69

Comments

WASTE MANAGEMENT



Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons	100	20.69	Tons				Alameda
2 PCR-P-Regulatory D	100		X				Alameda
3 FUEL-Fuel Surcharg	100		X				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Rob Williams*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7200

Original
 Ticket# 1102049

Customer Name EB NATURAL RESOURCES E AND B WA Carrier GEN Altamont Generic
 Ticket Date 11/23/2015 Vehicle# 9D13259
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432M7
 Billing # 0388847 License#

Manifest W88
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-E3 NATURAL RESOURCES E&B NATURAL RESOURCES 40467 (PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross 75200 lb
 In 11/23/2015 12:16:02 Scale 3 P. Patta. Tare 33300 lb
 Out 11/23/2015 12:16:02 P. Patta. Net 41800 lb
 Tons 20.91

Comments:



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2-Cover RSC-Tons	100	20.91	Tons				Alameda
2 RCP-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EWF-L-Standard Env	100	1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102063

Customer Name: EBNATURALRESOURCES E AND R NA Carrier: BEN Altamont Generic
 Ticket Date: 11/23/2015 Vehicle#: 9D13269
 Payment Type: Credit Account Container:
 Manual Ticket# PCM EXCA 2432WT
 Billing #: 0388847 License#

Manifest: WAM
 PD
 Profile: 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURALRESOURCES E&D NATURAL RESOURCES (14467 PATTERSON PSB RD)

Time: 11/23/2015 13:21:16 Scale: Deputy Weighmaster Inbound Gross: 75840 lb
 In: 11/23/2015 13:21:16 Scale 3 R Rojas Tare: 33380 lb
 Out: 11/23/2015 13:21:16 R Rojas Net: 42460 lb
 Tons: 21.23

Comments:

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1	EQ-Cover RCR-Tons	100	21.23	Tons			Alameda
2	RCR-R-Regulatory C	100	%				Alameda
3	FUEL-fuel Surcharg	100	%				Alameda
4	ENV-L-Standard Env	100	1	Load			Alameda

DRIVER: *Diego Lopez*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102907

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/02/2015 Vehicle# 9644513
 Payment type Credit Account Container
 Manual Ticket# PCM EXCA TRUN 2132
 Billing # 0388847 License#

Manifest war
 PO
 Profile 62450WCA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (A467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	lb
In 12/02/2015 13:47:34	Scale 3	J Schaeuffler		Tare	33440
Out 12/02/2015 13:47:34		J Schaeuffler		Net	40040
				Tons	20.02

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RSC-Tons- 100		20.02	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: *[Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103007

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 12/02/2015 Vehicle# 3B44313
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKH 2132
 Billing # 0388847 License#

Manifest WAM
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PGS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76100 lb
In 12/02/2015 14:42:41	Scale 3	R Rojas		Tare	33440 lb
Out 12/02/2015 14:42:41		R Rojas		Net	42660 lb
				Tons	21.33

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		21.33	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surchang 100			%				Alameda
4 EVF-I.-Standard Env 100		1	Load				Alameda

DRIVER: *Rich [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10940 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

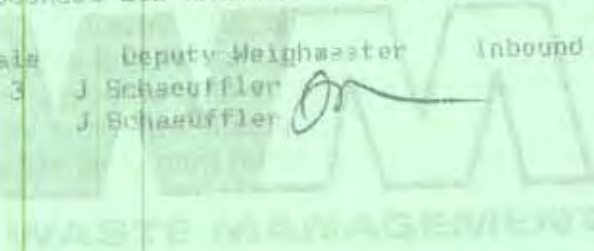
Original
 Ticket# 1103024

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/02/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCR EXCA TRKN 2132
 Billing # 0388047 License#

Manifest WAW
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	77960 lb
In 12/02/2015 15:39:57	Scale 3	J. Schaeffler		Tare	33440 lb
Out 12/02/2015 15:39:57		J. Schaeffler		Net	44520 lb
				Tons	22.26

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1		22.26	Tons				Alameda
2			%				Alameda
3			%				Alameda
4		1	Load				Alameda

DRIVER: *[Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

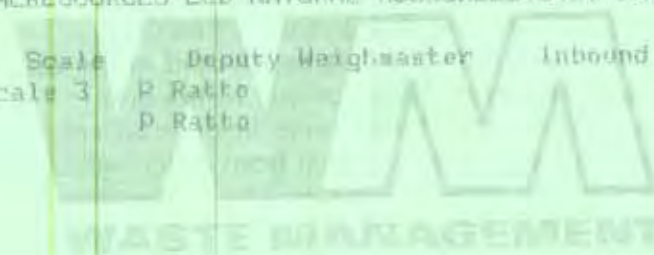
Original
 Ticket# 1102906

Customer Name: EBNATURALRESOURCES E AND B NA Carrier: GEN Alameda Generic
 Ticket Date: 12/02/2015 Vehicle#: 9b44513
 Payment Type: Credit Account Container:
 Manual Ticket#: PCM EXCA TRKN 2132
 Billing #: 0388847 License#:

Manifest: H20
 PO:
 Profile: 624500CA (HYDROCARBON IMPACTED SOTL)
 Generator: 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time: In: 12/02/2015 09:11:47 Out: 12/02/2015 09:11:47
 Scale: Scale 3
 Deputy Weighmaster: P. Ratto
 Inbound: P. Ratto
 Gross: 70780 lb
 Tare: 33440 lb
 Net: 37340 lb
 Tons: 18.67

Comments:



Product	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100	18.67	Tons				Alameda
2 RCR-P-Regulatory C 100		%				Alameda
3 FUEL-Fuel Surcharg 100		%				Alameda
4 E9F-L-Standard Env 100	1	Load				Alameda

DRIVER:

Total Tax
 Total Tare

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



WEIGHMASTER-Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

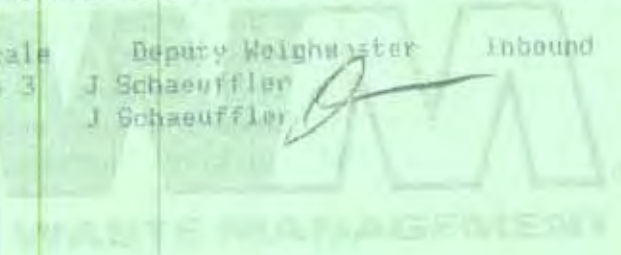
Original
 Ticket# 1102921

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/02/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKW 2132
 Billing # 0388847 License#

Manifest MAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	71300 lb
In 12/02/2015 10:12:51	Scale 3	J. Schaeuffler		Tare	33440 lb
Out 12/02/2015 10:12:51		J. Schaeuffler		Net	37860 lb
				Tons	18.93

Comments



Product	LD%	Qty	UM	Rate	Tax	Amount	Origin
1 E2 Cover RCR-Tons- 100		18.93	Tons				Alameda
2 RCR-R-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Lead				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102947

Customer Name EBNATURALRESOURCES E AND D MA Carrier 6EN Altamont Generic
 Ticket Date 12/02/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2152
 Billing # 0388897 License#

Manifest W00
 PO

Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-ED NATURALRESOURCES E&D NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	73700 lb
In 12/02/2015 11:18:37	Scale 3	J. Schaeffler		Tare	33440 lb
Out 12/02/2015 11:18:37		J. Schaeffler		Net	40250 lb
				Tons	20.13

Comments



Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons- 100		20.13	Tons				Alameda
2 RCR-P-Regulatory C 100			%				
3 FUEL-Fuel Surcharg 100			%				
4 EVF-L-Standard Env 100		1	Load				

DRIVER: *[Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



WEIGHMASTER Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1102970

Customer Name ERNATURALRESOURCES E AND S NA Carrier GEN Altamont Generic
 Ticket Date 12/02/2015 Vehicle# 9044513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRM 2132
 Billing # 0308847 License#

Manifest WMM
 PG
 Profile 624500CR (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&S NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75240 lb
In 12/02/2015 12:42:42	Scaled In J. Schaeffler			Tare	33448 lb
Out 12/02/2015 12:42:42	J. Schaeffler			Net	41800 lb
				Tons	20.90

Comments



Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	CR Cover RDC-Tons	100	20.90	Tons			Alameda
2	PCR-P-Regulatory E	100	%				Alameda
3	FUEL-Fuel Surcharg	100	%				Alameda
4	EVF-L-Standard Env	100	1	Load			Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

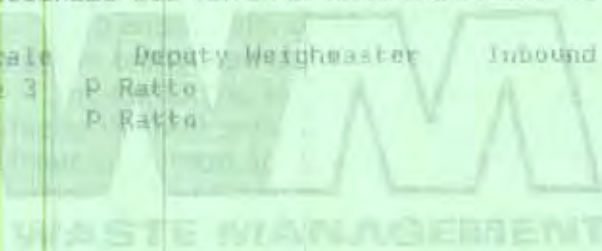
Original
 Ticket# 1103071

Customer Name EB NATURAL RESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/03/2015 Vehicle# 9044513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKH 2132
 Billing # 0300847 License#

Manifest NAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76000 lb
In 12/03/2015 07:38:32	Scale 3	P. Ratto		Tare	33440 lb
Out 12/03/2015 07:38:32		P. Ratto		Net	42560 lb
				Tons	21.32

Comments



Product	Qty	UOM	Rate	Tax	Amount	Origin
1 CE Cover RSC-Tons-100	21.32	Tons				Alameda
2 RCR-P-Regulatory C 100		X				Alameda
3 FUEL-Fuel Surcharge 100		X				Alameda
4 EVF-L-Standard Env 100	1	Load				Alameda

DRIVER: _____

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill 3 RRF
 10040 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

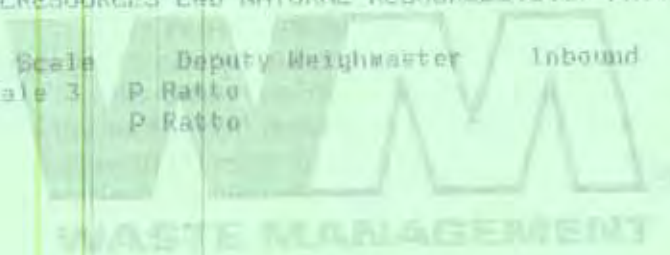
Original
 Ticket# 1103086

Customer Name EB NATURAL RESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 12/03/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKW 2132
 Billing # 0388947 License#

Manifest WAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	79260 lb
In 12/03/2015 08:29:03	Scale 3	P. Ratio		Tare	33440 lb
Out 12/03/2015 08:29:03		P. Ratio		Net	45820 lb
				Tons	22.91

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RCR-Tons- 100		22.91	Tons				Alameda
2 RCR-P-Regulatory D 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

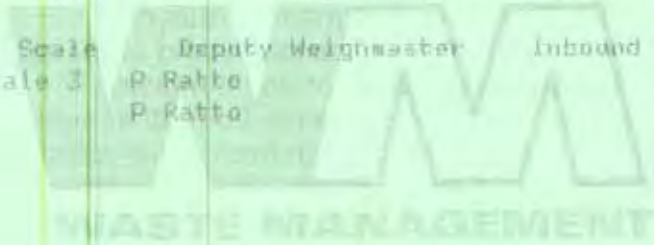
Original
 Ticket# 1103120

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 12/03/2015 Vehicle# 9044513
 Payment Type Credit Account Container
 Manual Ticket# PCN EXCA TRKN 2132
 Billing # 0380847 License#

Manifest MAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	77240 lb
In 12/03/2015 09:29:22	Scale 3	P. Ratto		Tare	33440 lb
Out 12/03/2015 09:29:22		P. Ratto		Net	43800 lb
				Tons	21.90

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons-100		21.90	Tons				Alameda
2 RCR-R-Regulatory E 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EWF-L-Standard Env 100		1	Load				Alameda

DRIVER: _____

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103140

Customer Name EBNATURALRESOURCES E AND B NR Carrier GEN Altamont Generic
 Ticket Date 12/03/2015 Vehicle# 9b94513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRMN 2132
 Billing # 0399847 License#

Manifest NAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75480 lb
In 12/03/2015 10:29:40	Scale 3	P Ratto		Tare	33440 lb
Out 12/03/2015 10:29:40		P Ratto		Net	42040 lb
				Tons	21.02

Comments

Product	LIX	Qty	UOM	Rate	Tax	Amount	Origin
1 E2 Cover RGC-Tons-	100	21.02	Tons				Alameda
2 RCR-R-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EMF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Richie*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 25100) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement of the California Department of Food and Agriculture.



WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

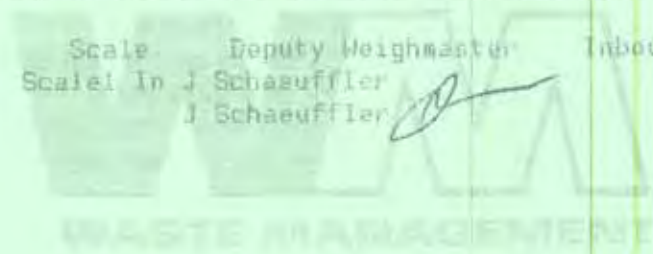
Original
 Ticket# 1103157

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/03/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKH 2132
 Billing # 0388847 License#

Manifest waa
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PS'S RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75000	lb
In 12/03/2015 11:42:46	Scale In	J. Schaeuffler		Tare	33440	lb
Out 12/03/2015 11:42:46		J. Schaeuffler		Net	49560	lb
				Tons	22.28	

Comments:



Product	LDS	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons-	100	22.28	Tons				Alameda
2 RCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Peter Weber*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103166

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/03/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRUCK 2132
 Billing # 0308047 License#

Manifest W38
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76040 lb
In 12/03/2015 12:42:14	Scaled In	J Schaeuffler		Tare	33440 lb
Out 12/03/2015 12:42:14		J Schaeuffler		Net	42600 lb
				Tons	21.30

Comments



Product	LO#	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover R00-Tons	100	21.30	Tons				Alameda
2 R00-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Vide [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103179

Customer Name EBNATURALRESOURCES E AND B MR Carrier GEN Altamont Generic
 Ticket Date 12/03/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0389847 License#

Manifest was
 PD

Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-ED NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75060 lb
In 12/03/2015 13:36:38	Scale-3	J. Schaeuffler		Tare	33440 lb
Out 12/03/2015 13:36:38		J. Schaeuffler		Net	41620 lb
				Tons	20.01

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	E2-Cover RGC-Tons-	100	Tons				Alameda
2	RGR-P-Regulatory C	100	%				Alameda
3	FUEL-Fuel Surchar	100	%				Alameda
4	EVE-L-Standard Env.	1	Load				Alameda

DRIVER: *Richie L...*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Aitawont Landfill & RRF
 10840 Aitawont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103192

Customer Name ERNATURALRESOURCES E AND B NO Carrier GEN Aitawont Benomic
 Ticket Date 12/03/2015 Vehicle# 9644513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRNK 2132
 Billing # 0300047 License#

Manifest was
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 154-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

	Time	Scale	Deputy Weighmaster	Inbound	Gross	75100 lb
In	12/03/2015 15:07:54	Scale 3	J Schaeuffler		Tare	33440 lb
Out	12/03/2015 15:07:54		J Schaeuffler		Net	41660 lb
					Tons	20.83

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons	100	20.83	Tons				Alameda
2 HCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Lead				Alameda

DRIVER: *[Signature]*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RR
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1103248

Customer Name: EBNATURALRESOURCES E AND B NA Carrier: BEN Altamont Generic
 Ticket Date: 12/04/2015 Vehicle#: 9844513
 Payment Type: Credit Account Container:
 Manual Ticket# PCN EXCA TRON 2132
 Billing # 0388847 License#

Manifest: W38
 PO:
 Profile: 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 164-EB NATURAL RESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time
 In 12/04/2015 08:03:43
 Out 12/04/2015 08:03:43

Scale Deputy Weighmaster Inbound
 Scale 3 P Ratio
 P Ratio

Gross 75540 lb
 Tare 33440 lb
 Net 42100 lb
 Tons 21.05

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover MSC-Tons- 100		21.05	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RR
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

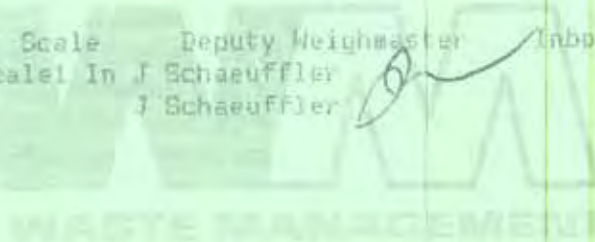
Original
 Ticket# 1103263

Customer Name EBNATURALRESOURCES E AND B MA Carrier GEN Altamont Generic
 Ticket Date 12/04/2015 Vehicle# 3044513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 038887 License#

Manifest wam
 PD
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	78100 lb
In 12/04/2015 09:04:54	Scale In J Schaeuffler	J Schaeuffler		Tare	33440 lb
Out 12/04/2015 09:04:54				Net	44660 lb
				Tons	22.33

Comments



Product	LDX	Dty	UCM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons-	100	22.33	Tons				Alameda
2 RCR-P-Regulatory E	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100		i Load				Alameda

DRIVER:

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Alameda Landfill & RRF
 10840 Alameda Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103279


Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Alameda Generic
 Ticket Date 12/04/2015 Vehicle# 9B44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRW 2132
 Billing # 0388847 License#

Manifest Has
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	74160 lb
In 12/04/2015 10:05:38	Scale 3	J Schaeuffler		Tare	33440 lb
Out 12/04/2015 10:05:38		J Schaeuffler		Net	40720 lb
				Tons	20.36

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons	100	20.36	Tons				Alameda
2 RCR-P-Regulatory C	100		x				Alameda
3 FUEL-Fuel Surcharg	100		x				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: 

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103299

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Altamont Generic
 Ticket Date 12/04/2015 Vehicle# 2b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388847 License#

Manifest Man
 PG
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	71800 lb
In 12/04/2015 11:07:54	Scale 3	P Ratto		Tare	33440 lb
Out 12/04/2015 11:07:54		P Ratto		Net	38360 lb
				Tons	19.18

Comments

Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		19.18	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & PRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103319

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/04/2015 Vehicle# 9844513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRIN 2132
 Billing # 0388847 License#

Manifest nam
 PU
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON P55 RD)

Time Scale Deputy Weighmaster Inbound Gross
 In 12/04/2015 12:28:56 Scale 3 P Ratto 69100 lb
 Out 12/04/2015 12:28:56 P Ratto 33440 lb
 Net 35660 lb
 Tons 17.83

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RBC-Tons-	100	17.83	Tons				Alameda
2 RCP-P-Regulatory C	100		x				Alameda
3 FUEL-Fuel Surchang	100		x				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Dass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103326

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/04/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRNK 213E
 Billing # 0388847 License#

Manifest waw
 PU
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	72240 lb
In 12/04/2015 13:37:12	Scale 3	J Schaeuffler		Tare	33440 lb
Out 12/04/2015 13:37:12		J Schaeuffler		Net	38900 lb
				Tons	19.45

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	C2 Cover RBC-Tons-	100	19.45	Tons			Alameda
2	RCR-P-Regulatory C	100	%				Alameda
3	FUEL-Fuel Surcharg	100	%				Alameda
4	EVF-L-Standard Env	100	1	Load			Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

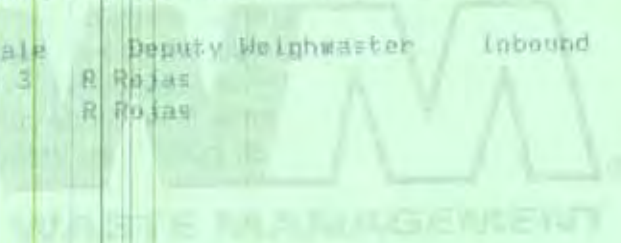
Original
 Ticket# 1103340

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/04/2015 Vehicle# 9b44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388047 License#

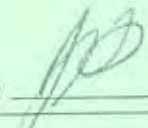
Manifest man
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8457 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	75220 lb
In 12/04/2015 14:42:05	Scale 3	R Rojas		Tare	33440 lb
Out 12/04/2015 14:42:05		R Rojas		Net	41780 lb
				Tons	20.89

Comments



Product	LDW	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RGC-Tons- 100		20.89	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: 

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103348

Customer Name ERNATURALRESOURCES E AND B HA Carrier GEN Altamont Generic
 Ticket Date 12/04/2015 Vehicle# 9B44513
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA TRKN 2132
 Billing # 0388947 License#

Manifest HAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E1B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	71500 lb
In 12/04/2015 15:36:18	Scale 3	J Schaeuffler		Tare	33440 lb
Out 12/04/2015 15:36:18		J Schaeuffler		Net	38060 lb
				Tons	19.03

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 E2 Cover RBC-Tons- 100		19.03	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100			Load				Alameda

DRIVER:

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pase Road
 Livermore, CA, 94551
 Ph: (925)455-7300

-15
 Original
 Ticket# 1103417
 Acc: 1001
 ↑

Customer Name EBNATURALRESOURCES E AND B NA Carrier: SAN Altamont Generic
 Ticket Date 12/07/2015 Vehicle# 9D 3269
 Payment Type Credit Account Container → Rental
 Manual Ticket# PON EXCA 2-32WT or
 Billing # 0388847 License# 1101

Manifest was
 PU
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound
 In 12/07/2015 10:04:15 Scale 3 J. Schaeuffler
 Out 12/07/2015 10:15:42 Scale 1 Inp Rate

Gross 31580 lb
 Tax 20.83 (lb)
 Net 34050 lb
 Tons 47200 lb
 23.76

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 E2 Cover R6C-Tons- 100		23.76	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100		1	Load				Alameda

DRIVER: *Roll [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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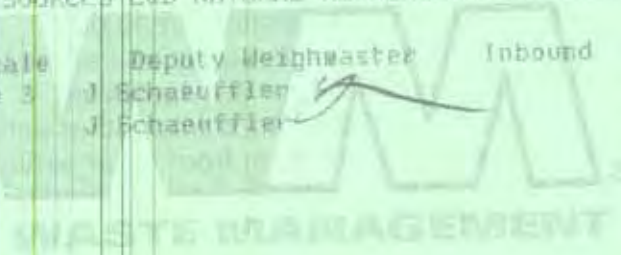
WEIGHMASTER-Altamont Landfill E RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103437

Customer Name: ENVIRONMENTAL RESOURCES E AND B NA Carrier: GEN Altamont Generic
 Ticket Date: 12/07/2015 Vehicle#: 9D13269
 Payment Type: Credit Account Container:
 Manual Ticket# PCN EXCA 2432HT
 Billing # 0388847 License#

Manifest: W38
 PO:
 Profile: 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator: 154-EB NATURAL RESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time: In 12/07/2015 11:18:38 Scale: Deputy Weighmaster Inbound Gross: 77900 lb
 Out: 12/07/2015 11:18:38 Scale 3 J. Schaeuffler Tare: 34050 lb
 J. Schaeuffler Net: 43840 lb
 Tons: 21.92



Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1 CE-Cover R&C-Tons	100	21.92	Tons				Alameda
2 RCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Rich [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103446

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/07/2015 Vehicle# 9013269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432HT
 Billing # 0388847 License#

Manifest W00
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	78700 lb
In 12/07/2015 12:15:02	Scale 3	P Ratio		Tare	34060 lb
Out 12/07/2015 12:15:02		P Ratio		Net	44640 lb
				Tone	22.32

Comments

Product	LDW	Dty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover RSC-Tone	100	22.32	Tone				Alameda
2 RCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Burcharg	100		%				Alameda
4 EVF-L-Standard Env	100		Load				Alameda

DRIVER: *Rich L...*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103462

Customer Name EBNATURALRESOURCES E AND B NA Carrier BEN Altamont Generic
 Ticket Date 12/07/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432WT
 Billing # 0388847 License#

Manifest WSM
 PO
 Profile 524500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON P55 RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	79140 lb
In 12/07/2015 13:18:22	Scale 3	J Schaeuffler		Tare	34050 lb
Out 12/07/2015 13:18:22		J Schaeuffler		Net	45090 lb
				Tons	22.54

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover REC-Tons- 100		22.54	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVF-L-Standard Env 100			Load				Alameda

DRIVER: *Pick [Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10840 Altamont Pass Road
 Livermore, CA. 94551
 Ph: (925)455-7300

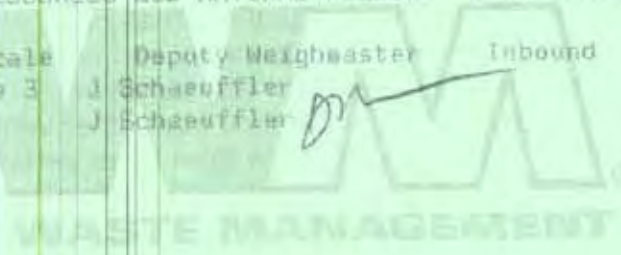
Original
 Ticket# 1103482

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/07/2015 Vehicle# 9013269
 Payment type Credit Account Container
 Manual Ticket# PCM EXCA 24324T
 Billing # 0388947 License#

Manifest WAM
 PU
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	77120 lb
In 12/07/2015 14:24:52	Scale 3	J Schaeffler		Tare	34060 lb
Out 12/07/2015 14:24:52		J Schaeffler		Net	43060 lb
				Tons	21.53

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 C2 Cover R60-Tons	100	21.53	Tons				Alameda
2 RCR-D-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100		Load				Alameda

DRIVER: *[Signature]*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10940 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

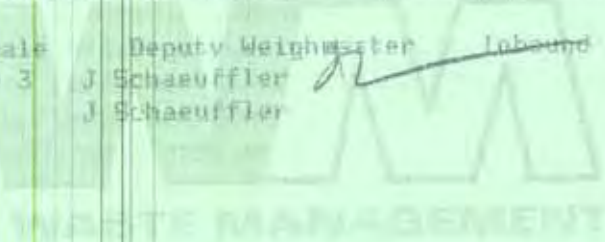
Original
 Ticket# 1103495

Customer Name EBNATURALRESOURCES E AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/07/2015 Vehicle# 9013265
 Payment Type Credit Account Container
 Manual Ticket# PCM EXCA 2432WT
 Billing # 0388847 License#

Manifest WAM
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E&B NATURAL RESOURCES(8467 PATTERSON PSS RD)

Time	Scale	Deputy Weighmaster	Labels	Gross	73560 lb
In 12/07/2015 15:22:01	Scale 3	J Schaeuffler		Tare	34060 lb
Out 12/07/2015 15:22:01		J Schaeuffler		Net	39500 lb
				Tons	19.75

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CE Cover R6C-Tons- 100		19.75	Tons				Alameda
2 RCR-P-Regulatory C 100			%				Alameda
3 FUEL-Fuel Surcharg 100			%				Alameda
4 EVE-L-Standard Env 100			Lead				Alameda

DRIVER:

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10040 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925) 455-7300

Original
 Ticket# 1103782

Customer Name EBNATURALRESOURCES C AND B NA Carrier GEN Altamont Generic
 Ticket Date 12/09/2015 Vehicle# 9D13269
 Payment Type Credit Account Container
 Manual Ticket# PEM EXCA 2432WT
 Billing # 0388847 License#

Manifest HAW
 PO
 Profile 624500CA (HYDROCARBON IMPACTED SOIL)
 Generator 164-EB NATURALRESOURCES E13 NATURAL RESOURCES (1667 PATTERSON PSS RD)

Time Scale Deputy Weighmaster Inbound Gross 75000 lb
 In 12/09/2015 14:49:38 Scale 3 J Schaeffler Tare 34060 lb
 Out 12/09/2015 14:49:38 J Schaeffler Net 41020 lb
 Tons 20.51

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 G2 Cover RBC-Tons-	100	20.51	Tons				Alameda
2 RCR-P-Regulatory C	100		%				Alameda
3 FUEL-Fuel Surcharg	100		%				Alameda
4 EVF-L-Standard Env	100	1	Load				Alameda

DRIVER: *Rich*

Total Tax

Total Ticket

WEIGHMASTER CERTIFICATE

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WEIGHMASTER-Altamont Landfill & RRF
 10940 Altamont Pass Road
 Livermore, CA, 94551
 Ph: (925)455-7300

Original
 Ticket# 1103995

Customer Name: EBNATURALRESOURCES E AND B NA Carrier: GEN Altamont Beveric
 Ticket Date: 12/11/2015 Vehicle#: 9D13263
 Payment Type: Credit Account Container:
 Manual Ticket# PCM EXCA 243207
 Billing # 0389B47 License#

Manifest: wa
 PO:
 Pro/Ele: 62450MCA (HYDROCARBON IMPACTED SOIL)
 Generator: 104-EB NATURALRESOURCES E&B NATURAL RESOURCES (8467 PATTERSON P95 RD)

Time	Scale	Deputy Weighmaster	Inbound	Gross	76500 lb
In 12/11/2015 09:07:12	Scale 3	P. Ratio		Tare	34060 lb
Out 12/11/2015 09:07:12		P. Ratio		Net	42440 lb
				Tons	21.22

Comments:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1. C2 Cover REC-Tons- 100		21.22	Tons				Alameda
2. PCB-P-Regulatory C 100			%				Alameda
3. FUEL-Fuel Surcharg 100			%				Alameda
4. EVF-L-Standard Env 100			Load				Alameda

DRIVER: *Rich L...*

Total Tax
 Total Ticket

WEIGHMASTER CERTIFICATE

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ATTACHMENT C
Laboratory Analytical Reports



Date of Report: 11/16/2015

Jennifer Brady

E & B Natural Resources Management Corp.

1600 Norris Road

Bakersfield, CA 93308

Client Project: T10000007269

BCL Project: GIG

BCL Work Order: 1527691

Invoice ID: B219149

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

Sincerely,

Contact Person: Kerrie Vaughan
Client Services

Authorized Signature

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form..... 5
Laboratory / Client Sample Cross Reference..... 9

Sample Results

1527691-01 - BI-d2.5 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 13
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 16
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 20
Total Petroleum Hydrocarbons..... 21
WET Test (STLC)..... 22
Total Concentrations (TTL)..... 23
1527691-02 - BI-d6.0 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 24
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 27
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 31
Total Petroleum Hydrocarbons..... 32
Total Concentrations (TTL)..... 33
1527691-03 - BI-d9.5 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 34
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 37
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 41
Total Petroleum Hydrocarbons..... 42
Total Concentrations (TTL)..... 43
1527691-04 - BI-d15.0 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 44
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 47
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 51
Total Petroleum Hydrocarbons..... 52
Total Concentrations (TTL)..... 53
1527691-05 - BI-d20.0 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 54
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 57
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 61
Total Petroleum Hydrocarbons..... 62
Total Concentrations (TTL)..... 63
1527691-06 - BI-d25.0 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 64
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 67
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 71
Total Petroleum Hydrocarbons..... 72
Modified WET Test (STLC)..... 73
Total Concentrations (TTL)..... 74
1527691-07 - BI-d30.5 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 75
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 78
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 82
Total Petroleum Hydrocarbons..... 83
Total Concentrations (TTL)..... 84
1527691-08 - BI-d35.5 Boring
Volatile Organic Analysis (EPA Method 8260B)..... 85
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 88
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 92
Total Petroleum Hydrocarbons..... 93
Total Concentrations (TTL)..... 94

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Table of Contents

1527691-09 - BI-d40.0 Boring

Volatile Organic Analysis (EPA Method 8260B)..... 95

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 98

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 102

Total Petroleum Hydrocarbons..... 103

Total Concentrations (TTLC)..... 104

1527691-10 - BI-d46.0 Boring

Volatile Organic Analysis (EPA Method 8260B)..... 105

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 108

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 112

Total Petroleum Hydrocarbons..... 113

Total Concentrations (TTLC)..... 114

1527691-11 - BI-d47.5 Boring

Volatile Organic Analysis (EPA Method 8260B)..... 115

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 118

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 122

Total Petroleum Hydrocarbons..... 123

Total Concentrations (TTLC)..... 124

1527691-12 - BI-GW47.0 Boring

Volatile Organic Analysis (EPA Method 8260B)..... 125

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 128

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 132

Total Petroleum Hydrocarbons..... 133

Water Analysis (General Chemistry)..... 134

Metals Analysis..... 135

Quality Control Reports

Volatile Organic Analysis (EPA Method 8260B)

Method Blank Analysis..... 136

Laboratory Control Sample..... 142

Precision and Accuracy..... 144

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

Method Blank Analysis..... 146

Laboratory Control Sample..... 153

Precision and Accuracy..... 155

Purgeable Aromatics and Total Petroleum Hydrocarbons

Method Blank Analysis..... 158

Laboratory Control Sample..... 159

Precision and Accuracy..... 160

Total Petroleum Hydrocarbons

Method Blank Analysis..... 161

Laboratory Control Sample..... 162

Precision and Accuracy..... 163

Modified WET Test (STLC)

Method Blank Analysis..... 164

Laboratory Control Sample..... 165

Precision and Accuracy..... 166

WET Test (STLC)

Method Blank Analysis..... 167

Laboratory Control Sample..... 168

Precision and Accuracy..... 169

Total Concentrations (TTLC)

Method Blank Analysis..... 170

Laboratory Control Sample..... 171

Precision and Accuracy..... 172

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Table of Contents

Water Analysis (General Chemistry)

Method Blank Analysis.....	174
Laboratory Control Sample.....	175
Precision and Accuracy.....	176

Metals Analysis

Method Blank Analysis.....	178
Laboratory Control Sample.....	179
Precision and Accuracy.....	180

Notes

Notes and Definitions.....	182
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Chain of Custody Form

Report To: **EGB Natural Resources** Project #: **GIG** Page **1** of **1**

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

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

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

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

Email Address: **je@adamsresources.com**

Work Order #: **15-27691**

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested	EDF Required? Geotracker	Global ID (Needed for EDF)	1. Relinquished By	2. Relinquished By	3. Relinquished By
B1-d25-1	Bring 1 soil samples	10/29/15	7:36	Electrical Conductivity, pH, TDS, Turbidity, Volatile Organic Compounds, Inorganic Phosphorus, Nitrate, Nitrite, Ammonia, Chloride, Sulfate, Calcium, Magnesium, Potassium, Sodium, Zinc, Copper, Lead, Cadmium, Barium, Strontium, Manganese, Iron, Nickel, Vanadium, Selenium, Arsenic, Boron, Molybdenum, Silver, Fluoride, Barium, Strontium, Manganese, Iron, Nickel, Vanadium, Selenium, Arsenic, Boron, Molybdenum, Silver, Fluoride	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d6.0-2			7:45		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d9.5-3			7:57		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d15.0-4			8:09		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d20.0-5			8:21		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d25.0-6			8:34		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d30.5-7			8:40		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d35.5-8			8:51		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d40.0-9			8:58		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d46.0-10			9:08		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-d49.5-11			9:12		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B1-GW47.0-n	Bring Groundwater		9:55		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Comments: **Normal TAT**

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

* Standard Turnaround = 10 work days

Sample Matrix: Soil Sludge Drinking Water Ground Water Waste Water

Turnaround # of work days: _____

Notes: **CLICK BY DISTRIBUTION MAMTSU JW**
SUB-GUT
JUL 10 2015
SECRET LAMING TIME
DO C% BOD MBAS GOT

EDF Required? Geotracker: Yes No

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

Global ID (Needed for EDF):

1. Relinquished By: _____ Date: **11-30-15** Time: **8:28**

2. Relinquished By: _____ Date: **10-30-15** Time: **8:28**

3. Relinquished By: _____ Date: **10-30-15** Time: **8:28**

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 of 2

Submission #: 15-27691

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

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

FREE LIQUID
YES [] NO [x]

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

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

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

COC Received
YES [x] NO []

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

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

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

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



BC LABORATORIES INC.		COOLER RECEIPT FORM		Page <u>2 of 2</u>
Submission #: <u>15-27691</u>				
SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input checked="" type="checkbox"/> BC Lab Field Service <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/>

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals Ice Chest Containers None Comments: _____

Intact? Yes No Intact? Yes No

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

COC Received YES NO

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

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

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

Comments: _____

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

A = Actual / C = Corrected

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



Kerrie Vaughan

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

Hi Kerrie,

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

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

Thank you,

Jeff Monroe
530-237-6628



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

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

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1527691-01	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d2.5 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 07:36 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-02	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d6.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 07:45 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-03	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d9.5 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 07:57 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

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

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1527691-04	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d15.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:09 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-05	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d20.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:21 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-06	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d25.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:34 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

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

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1527691-07	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d30.5 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:40 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-08	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d35.5 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:51 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-09	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d40.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 08:58 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

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

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1527691-10	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d46.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 09:08 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-11	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-d47.5 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 09:12 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: SH Sample QC Type (SACode): CS Cooler ID:
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1527691-12	COC Number: --- Project Number: GIG Sampling Location: --- Sampling Point: BI-GW47.0 Boring Sampled By: Jeff Monroe	Receive Date: 10/30/2015 08:28 Sampling Date: 10/29/2015 09:55 Sample Depth: --- Lab Matrix: Water Sample Type: Waste, Solid Delivery Work Order: Global ID: T10000007269 Location ID (FieldPoint): BI Matrix: W Sample QC Type (SACode): CS Cooler ID:
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-01	Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-01	Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe
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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)	77.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	67.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-01	Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	6.4	mg/kg	1.0	0.28	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	122	%	70 - 130 (LCL - UCL)		EPA-8015B			1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-01	Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe
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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	1
TPH - Motor Oil	340	mg/kg	100	32	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	69.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

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

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

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

WET Test (STLC)

BCL Sample ID: 1527691-01	Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Barium	15	mg/L	0.10	0.014	EPA-6010B	100		1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-01	Client Sample Name: GIG, BI-d2.5 Boring, 10/29/2015 7:36:00AM, Jeff Monroe
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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	1800	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.29	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	32	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	19	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	8.1	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.22	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.21	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe
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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	0.0061	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.0024	mg/kg	0.0050	0.0012	EPA-8260B		J	1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/02/15	11/02/15	23:46	ADC	MS-V2	1	BYK0192

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

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

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

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe
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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	0.061	mg/kg	0.10	0.019	EPA-8270C		J	1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	4.7		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C			1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C			1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C			1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C			1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C			1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C			1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C			1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C			1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C			1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C			1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C			1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C			1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C			1

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	66.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	63.5	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	73.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	68.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	1.5	mg/kg	1.0	0.28	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

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

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

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

Total Petroleum Hydrocarbons

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

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-02	Client Sample Name: GIG, BI-d6.0 Boring, 10/29/2015 7:45:00AM, Jeff Monroe
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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	2.1	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	270	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.37	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	21	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.0	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.9	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.041	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.10	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	40	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.025	0.0065	EPA-8260B		A01	1
Bromobenzene	ND	mg/kg	0.025	0.0065	EPA-8260B		A01	1
Bromochloromethane	ND	mg/kg	0.025	0.0046	EPA-8260B		A01	1
Bromodichloromethane	ND	mg/kg	0.025	0.0042	EPA-8260B		A01	1
Bromoform	ND	mg/kg	0.025	0.0075	EPA-8260B		A01	1
Bromomethane	ND	mg/kg	0.025	0.0080	EPA-8260B		A01	1
n-Butylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B		A01	1
sec-Butylbenzene	0.0088	mg/kg	0.025	0.0060	EPA-8260B		J,A01	1
tert-Butylbenzene	ND	mg/kg	0.025	0.0060	EPA-8260B		A01	1
Carbon tetrachloride	ND	mg/kg	0.025	0.0055	EPA-8260B		A01	1
Chlorobenzene	ND	mg/kg	0.025	0.0065	EPA-8260B		A01	1
Chloroethane	ND	mg/kg	0.025	0.0070	EPA-8260B		A01	1
Chloroform	ND	mg/kg	0.025	0.0032	EPA-8260B		A01	1
Chloromethane	ND	mg/kg	0.025	0.0070	EPA-8260B		A01	1
2-Chlorotoluene	ND	mg/kg	0.025	0.0090	EPA-8260B		A01	1
4-Chlorotoluene	ND	mg/kg	0.025	0.0070	EPA-8260B		A01	1
Dibromochloromethane	ND	mg/kg	0.025	0.0050	EPA-8260B		A01	1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.025	0.0085	EPA-8260B		A01	1
1,2-Dibromoethane	ND	mg/kg	0.025	0.0050	EPA-8260B		A01	1
Dibromomethane	ND	mg/kg	0.025	0.0090	EPA-8260B		A01	1
1,2-Dichlorobenzene	ND	mg/kg	0.025	0.0040	EPA-8260B		A01	1
1,3-Dichlorobenzene	ND	mg/kg	0.025	0.0070	EPA-8260B		A01	1
1,4-Dichlorobenzene	ND	mg/kg	0.025	0.0075	EPA-8260B		A01	1
Dichlorodifluoromethane	ND	mg/kg	0.025	0.0065	EPA-8260B		A01	1
1,1-Dichloroethane	ND	mg/kg	0.025	0.0070	EPA-8260B		A01	1
1,2-Dichloroethane	ND	mg/kg	0.025	0.0042	EPA-8260B		A01	1
1,1-Dichloroethene	ND	mg/kg	0.025	0.0060	EPA-8260B		A01	1
cis-1,2-Dichloroethene	ND	mg/kg	0.025	0.0065	EPA-8260B		A01	1
trans-1,2-Dichloroethene	ND	mg/kg	0.025	0.0070	EPA-8260B		A01	1
1,2-Dichloropropane	ND	mg/kg	0.025	0.0040	EPA-8260B		A01	1
1,3-Dichloropropane	ND	mg/kg	0.025	0.0055	EPA-8260B		A01	1
2,2-Dichloropropane	ND	mg/kg	0.025	0.0065	EPA-8260B		A01	1
1,1-Dichloropropene	ND	mg/kg	0.025	0.0060	EPA-8260B		A01	1

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/02/15	11/11/15 11:04	ADC	MS-V2	5	BYK0192

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

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

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

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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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	0.18	mg/kg	1.0	0.17	EPA-8270C		J,A10	1
Fluorene	ND	mg/kg	1.0	0.19	EPA-8270C		A10	1
Heptachlor	ND	mg/kg	1.0	0.21	EPA-8270C	4.7	A10	1
Heptachlor epoxide	ND	mg/kg	1.0	0.17	EPA-8270C		A10	1
Hexachlorobenzene	ND	mg/kg	1.0	0.16	EPA-8270C		A10	1
Hexachlorobutadiene	ND	mg/kg	1.0	0.17	EPA-8270C		A10	1
Hexachlorocyclopentadiene	ND	mg/kg	1.0	0.19	EPA-8270C		A10	1
Hexachloroethane	ND	mg/kg	1.0	0.20	EPA-8270C		A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.0	0.72	EPA-8270C		A10	1
Isophorone	ND	mg/kg	1.0	0.17	EPA-8270C		A10	1
2-Methylnaphthalene	ND	mg/kg	1.0	0.18	EPA-8270C		A10	1
Naphthalene	ND	mg/kg	1.0	0.18	EPA-8270C		A10	1
2-Naphthylamine	ND	mg/kg	30	1.6	EPA-8270C		A10	1
2-Nitroaniline	ND	mg/kg	1.0	0.18	EPA-8270C		A10	1
3-Nitroaniline	ND	mg/kg	2.0	0.15	EPA-8270C		A10	1
4-Nitroaniline	ND	mg/kg	2.0	0.25	EPA-8270C		A10	1
Nitrobenzene	ND	mg/kg	1.0	0.15	EPA-8270C		A10	1

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

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

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

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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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	1.7	mg/kg	1.0	0.18	EPA-8270C		A10	1
Pyrene	ND	mg/kg	1.0	0.17	EPA-8270C		A10	1
1,2,4-Trichlorobenzene	ND	mg/kg	1.0	0.18	EPA-8270C		A10	1
4-Chloro-3-methylphenol	ND	mg/kg	2.0	0.22	EPA-8270C		A10	1
2-Chlorophenol	ND	mg/kg	1.0	0.16	EPA-8270C		A10	1
2,4-Dichlorophenol	ND	mg/kg	1.0	0.17	EPA-8270C		A10	1
2,4-Dimethylphenol	ND	mg/kg	1.0	0.35	EPA-8270C		A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.0	0.12	EPA-8270C		A10	1
2,4-Dinitrophenol	ND	mg/kg	5.0	0.077	EPA-8270C		A10	1
2-Methylphenol	ND	mg/kg	1.0	0.17	EPA-8270C		A10	1
3- & 4-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C		A10	1
Total Methylphenol	ND	mg/kg	2.0	0.47	EPA-8270C		A10	1
2-Nitrophenol	ND	mg/kg	1.0	0.16	EPA-8270C		A10	1
4-Nitrophenol	ND	mg/kg	2.0	0.18	EPA-8270C		A10	1
Pentachlorophenol	ND	mg/kg	2.0	0.13	EPA-8270C	17	A10	1
Phenol	ND	mg/kg	1.0	0.16	EPA-8270C		A10	1
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.18	EPA-8270C		A10	1
2,4,6-Trichlorophenol	ND	mg/kg	2.0	0.17	EPA-8270C		A10	1
PCB-1016	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1221	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1232	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1242	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1248	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1254	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1260	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1262	ND	mg/kg	20	10	EPA-8270C	50	A10	1
PCB-1268	ND	mg/kg	20	10	EPA-8270C	50	A10	1
Total PCB's (Summation)	ND	mg/kg	20	10	EPA-8270C	50	A10	1
2-Fluorophenol (Surrogate)	65.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	59.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	11	mg/kg	2.0	0.56	EPA-8015B	ND	A01	1
a,a,a-Trifluorotoluene (FID Surrogate)	125	%	70 - 130 (LCL - UCL)		EPA-8015B			1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	2100	mg/kg	200	24	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	1500	mg/kg	400	130	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01,A17	1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-03	Client Sample Name: GIG, BI-d9.5 Boring, 10/29/2015 7:57:00AM, Jeff Monroe
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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	1.0	0.40	EPA-6010B	500		1
Barium	280	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.35	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.1	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.7	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.14	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	30	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-04	Client Sample Name: GIG, Bl-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-04	Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/02/15	11/03/15 00:08	ADC	MS-V2	1	BYK0192

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-04	Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-04		Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C			1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C			1
Total Methylphenol	ND	mg/kg	0.20	0.047	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	17		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C			1
PCB-1016	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1221	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1232	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1242	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1248	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1254	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1260	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1262	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1268	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	96.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	83.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-04	Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe
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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)	125	%	70 - 130 (LCL - UCL)		EPA-8015B			1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-04	Client Sample Name: GIG, BI-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	72	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	120	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	63.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-04		Client Sample Name: GIG, Bl-d15.0 Boring, 10/29/2015 8:09:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	250	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.30	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	15	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.1	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.070	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	16	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.12	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	37	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-05	Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/02/15	11/03/15 00:31	ADC	MS-V2	1	BYK0192

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

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

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

BCL Sample ID: 1527691-05	Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

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

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

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

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

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

BCL Sample ID: 1527691-05	Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C			1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C			1
Total Methylphenol	ND	mg/kg	0.20	0.047	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	17		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C			1
PCB-1016	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1221	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1232	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1242	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1248	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1254	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1260	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1262	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1268	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	86.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	78.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-05	Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe
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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)	108	%	70 - 130 (LCL - UCL)		EPA-8015B			1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-05	Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	58.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-05	Client Sample Name: GIG, BI-d20.0 Boring, 10/29/2015 8:21:00AM, Jeff Monroe
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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	1.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	96	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.14	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	6.3	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	2.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	4.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	2.8	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	6.8	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.3	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	15	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	13	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-06		Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/02/15	11/03/15 00:54	ADC	MS-V2	1	BYK0192

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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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)	80.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	73.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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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)	168	%	70 - 130 (LCL - UCL)		EPA-8015B		A19,S09	1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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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)	28.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Modified WET Test (STLC)

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	STLC Limits	Lab Quals	Run #
Hexavalent Chromium	ND	mg/L	0.20	0.070	EPA-7196	5		1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-06	Client Sample Name: GIG, BI-d25.0 Boring, 10/29/2015 8:34:00AM, Jeff Monroe
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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	1.0	0.40	EPA-6010B	500		1
Barium	140	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	58	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	15	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	29	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	8.0	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.036	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	140	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.4	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.22	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	45	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/02/15	11/03/15	01:16	ADC	MS-V2	1	BYK0192

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

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

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

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C			1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C			1
Total Methylphenol	ND	mg/kg	0.20	0.047	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	17		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C			1
PCB-1016	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1221	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1232	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1242	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1248	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1254	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1260	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1262	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1268	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	78.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	72.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe
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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)	180	%	70 - 130 (LCL - UCL)		EPA-8015B		A19,S09	1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	73.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-07	Client Sample Name: GIG, BI-d30.5 Boring, 10/29/2015 8:40:00AM, Jeff Monroe
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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	4.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	130	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	50	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	15	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	25	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.1	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.063	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	120	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.22	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	32	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	39	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-08	Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe
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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)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-08	Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/02/15	11/03/15	01:39	ADC	MS-V2	1	BYK0192

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-08	Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, 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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-08	Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C			1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C			1
Total Methylphenol	ND	mg/kg	0.20	0.047	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	17		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C			1
PCB-1016	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1221	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1232	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1242	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1248	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1254	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1260	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1262	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1268	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	89.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	80.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-08	Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe
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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)	168	%	70 - 130 (LCL - UCL)		EPA-8015B		A19,S09	1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-08	Client Sample Name: GIG, BI-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	66.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-08	Client Sample Name: GIG, Bl-d35.5 Boring, 10/29/2015 8:51:00AM, Jeff Monroe
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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	3.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	120	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.44	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	17	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.4	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.051	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	18	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.13	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	52	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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1600 Norris Road
Bakersfield, CA 93308

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-09	Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/02/15	11/03/15	02:01	ADC	MS-V2	1	BYK0192

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-09	Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-09	Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe
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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)	92.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	83.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-09	Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe
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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)	182	%	70 - 130 (LCL - UCL)		EPA-8015B		A19,S09	1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-09	Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe
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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)	68.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-09	Client Sample Name: GIG, BI-d40.0 Boring, 10/29/2015 8:58:00AM, Jeff Monroe
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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	2.7	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	95	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.37	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	15	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.090	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	19	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.16	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/02/15	11/03/15	02:24	ADC	MS-V2	1	BYK0192

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

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

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

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe
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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: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

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

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

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe
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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)	172	%	70 - 130 (LCL - UCL)		EPA-8015B		A19,S09	1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	65.8	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-10	Client Sample Name: GIG, BI-d46.0 Boring, 10/29/2015 9:08:00AM, Jeff Monroe
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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	1.0	0.40	EPA-6010B	500		1
Barium	58	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.45	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	20	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.0	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	16	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.4	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.040	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	0.084	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.080	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	46	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-11	Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/02/15	11/10/15	13:58	ADC	MS-V2	1	BYK0192

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

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

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

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

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

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

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

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

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

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

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

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

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

BCL Sample ID: 1527691-11	Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C			1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C			1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C			1
Total Methylphenol	ND	mg/kg	0.20	0.047	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	17		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C			1
PCB-1016	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1221	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1232	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1242	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1248	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1254	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1260	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1262	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
PCB-1268	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	2.0	1.0	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	64.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	62.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-11	Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe
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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)	182	%	70 - 130 (LCL - UCL)		EPA-8015B		A19,S09	1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-11	Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe
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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)	76.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Total Concentrations (TTLIC)

BCL Sample ID: 1527691-11	Client Sample Name: GIG, BI-d47.5 Boring, 10/29/2015 9:12:00AM, Jeff Monroe
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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	59	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	18	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.11	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.4	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.12	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	75	mg/kg	2.5	0.087	EPA-6010B	5000		1

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-12	Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND	Z2	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND	Z2	1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND	Z2	1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND	Z2	1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND	Z2	1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND	Z2	1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND	Z2	1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND	Z2	1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND	Z2	1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND	Z2	1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND	Z2	1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND	Z2	1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND	Z2	1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND	Z2	1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND	Z2	1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND	Z2	1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND	Z2	1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND	Z2	1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND	Z2	1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND	Z2	1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND	Z2	1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND	Z2	1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND	Z2	1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND	Z2	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND	Z2	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND	Z2	1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND	Z2	1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND	Z2	1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND	Z2	1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND	Z2	1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND	Z2	1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND	Z2	1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND	Z2	1

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

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

Volatile Organic Analysis (EPA Method 8260B)

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1527691-12	Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/03/15	11/04/15	07:32	MGC	MS-V5	1	BYK0209

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

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

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

BCL Sample ID: 1527691-12	Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	ug/L	2.3	0.28	EPA-8270C	ND		1
Acenaphthylene	ND	ug/L	2.3	0.32	EPA-8270C	ND		1
Aldrin	ND	ug/L	2.3	0.40	EPA-8270C	ND		1
Aniline	ND	ug/L	5.8	0.80	EPA-8270C	ND		1
Anthracene	ND	ug/L	2.3	0.35	EPA-8270C	ND		1
Benzidine	ND	ug/L	23	8.2	EPA-8270C	ND		1
Benzo[a]anthracene	ND	ug/L	2.3	0.44	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	ug/L	2.3	0.47	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	ug/L	2.3	0.36	EPA-8270C	ND		1
Benzo[a]pyrene	ND	ug/L	2.3	0.23	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	ug/L	2.3	0.25	EPA-8270C	ND		1
Benzoic acid	ND	ug/L	12	6.7	EPA-8270C	ND		1
Benzyl alcohol	ND	ug/L	2.3	0.39	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	ug/L	2.3	0.54	EPA-8270C	ND		1
alpha-BHC	ND	ug/L	2.3	0.31	EPA-8270C	ND		1
beta-BHC	ND	ug/L	2.3	0.31	EPA-8270C	ND		1
delta-BHC	ND	ug/L	2.3	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	ug/L	2.3	0.25	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	ug/L	2.3	0.31	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	ug/L	2.3	0.78	EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	ug/L	2.3	0.35	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.6	3.5	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	ug/L	2.3	0.27	EPA-8270C	ND		1
4-Chloroaniline	ND	ug/L	2.3	0.80	EPA-8270C	ND		1
2-Chloronaphthalene	ND	ug/L	2.3	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	ug/L	2.3	0.27	EPA-8270C	ND		1
Chrysene	ND	ug/L	2.3	0.73	EPA-8270C	ND		1
4,4'-DDD	ND	ug/L	2.3	0.55	EPA-8270C	ND		1
4,4'-DDE	ND	ug/L	3.5	0.47	EPA-8270C	ND		1
4,4'-DDT	ND	ug/L	2.3	0.50	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	ug/L	3.5	0.30	EPA-8270C	ND		1
Dibenzofuran	ND	ug/L	2.3	0.24	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	ug/L	2.3	0.43	EPA-8270C	ND		1

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

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

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

BCL Sample ID: 1527691-12	Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	ug/L	2.3	0.40	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	ug/L	2.3	0.36	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	ug/L	12	9.5	EPA-8270C	ND		1
Dieldrin	ND	ug/L	3.5	0.47	EPA-8270C	ND		1
Diethyl phthalate	0.40	ug/L	2.3	0.38	EPA-8270C	ND	J	1
Dimethyl phthalate	ND	ug/L	2.3	0.45	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	ug/L	2.3	0.45	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	ug/L	2.3	0.30	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	ug/L	2.3	0.47	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	ug/L	2.3	0.53	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	ug/L	2.3	0.39	EPA-8270C	ND		1
Endosulfan I	ND	ug/L	12	2.0	EPA-8270C	ND		1
Endosulfan II	ND	ug/L	12	1.4	EPA-8270C	ND		1
Endosulfan sulfate	ND	ug/L	3.5	0.67	EPA-8270C	ND		1
Endrin	ND	ug/L	2.3	1.3	EPA-8270C	ND		1
Endrin aldehyde	ND	ug/L	12	0.60	EPA-8270C	ND		1
Fluoranthene	ND	ug/L	2.3	0.23	EPA-8270C	ND		1
Fluorene	ND	ug/L	2.3	0.32	EPA-8270C	ND		1
Heptachlor	ND	ug/L	2.3	0.37	EPA-8270C	ND		1
Heptachlor epoxide	ND	ug/L	2.3	0.31	EPA-8270C	ND		1
Hexachlorobenzene	ND	ug/L	2.3	0.23	EPA-8270C	ND		1
Hexachlorobutadiene	ND	ug/L	2.3	0.28	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	ug/L	2.3	0.35	EPA-8270C	ND		1
Hexachloroethane	ND	ug/L	2.3	0.37	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.3	0.30	EPA-8270C	ND		1
Isophorone	ND	ug/L	2.3	0.36	EPA-8270C	ND		1
2-Methylnaphthalene	1.3	ug/L	2.3	0.32	EPA-8270C	ND	J	1
Naphthalene	ND	ug/L	2.3	0.24	EPA-8270C	ND		1
2-Naphthylamine	ND	ug/L	23	5.5	EPA-8270C	ND		1
2-Nitroaniline	ND	ug/L	2.3	0.38	EPA-8270C	ND		1
3-Nitroaniline	ND	ug/L	2.3	0.76	EPA-8270C	ND		1
4-Nitroaniline	ND	ug/L	5.8	1.0	EPA-8270C	ND		1
Nitrobenzene	ND	ug/L	2.3	0.30	EPA-8270C	ND		1

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

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

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

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

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

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

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

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

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

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-12	Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	8.8	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	101	%	70 - 130 (LCL - UCL)		EPA-8015B			1

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

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

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

Total Petroleum Hydrocarbons

BCL Sample ID: 1527691-12	Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	210	ug/L	230	39	EPA-8015B/FFP	ND	J	1
TPH - Motor Oil	ND	ug/L	570	76	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	79.4	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP			1

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

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

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

Water Analysis (General Chemistry)

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

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

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

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

Metals Analysis

BCL Sample ID: 1527691-12		Client Sample Name: GIG, BI-GW47.0 Boring, 10/29/2015 9:55:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
Dissolved Boron	7.4	mg/L	0.10	0.010	EPA-200.7			1
Total Antimony	ND	ug/L	2500	210	EPA-6010B	500000	A07	2
Total Arsenic	370	ug/L	1200	200	EPA-6010B	500000	J,A07	2
Total Barium	12000	ug/L	250	88	EPA-6010B	10000000	A07	2
Total Beryllium	47	ug/L	250	12	EPA-6010B	75000	J,A07	2
Total Cadmium	ND	ug/L	250	28	EPA-6010B	100000	A07	2
Total Chromium	3100	ug/L	250	28	EPA-6010B	2500000	A07	2
Total Cobalt	640	ug/L	1200	32	EPA-6010B	8000000	J,A07	2
Total Copper	1300	ug/L	250	28	EPA-6010B	2500000	A07	2
Total Lead	500	ug/L	1200	100	EPA-6010B	1000000	J,A07	2
Total Mercury	1.2	ug/L	4.0	0.66	EPA-7470A	20000	J,A07	3
Total Molybdenum	ND	ug/L	1200	30	EPA-6010B	3500000	A07	2
Total Nickel	1900	ug/L	250	50	EPA-6010B	2000000	A07	2
Total Selenium	ND	ug/L	2500	380	EPA-6010B	100000	A07	2
Total Silver	ND	ug/L	250	48	EPA-6010B	500000	A07	2
Total Thallium	ND	ug/L	2500	600	EPA-6010B	700000	A07	2
Total Vanadium	2900	ug/L	250	55	EPA-6010B	2400000	A07	2
Total Zinc	2900	ug/L	1200	58	EPA-6010B	5000000	A07	2
Total Recoverable Boron	7900	ug/L	500	50	EPA-200.7		A07	4

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYK0192

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

QC Batch ID: BYK0209

Benzene	BYK0209-BLK1	ND	ug/L	0.50	0.083	
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYK0209

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

QC Batch ID: BYK0271

Benzene	BYK0271-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BYK0271-BLK1	ND	mg/kg	0.0050	0.0013	

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

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

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1600 Norris Road
Bakersfield, CA 93308

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

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

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

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

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

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

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

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

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

Quality Control Report - Method Blank Analysis

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

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

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

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

Quality Control Report - Method Blank Analysis

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

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

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

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

Quality Control Report - Method Blank Analysis

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

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

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

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYK0350

p-Terphenyl-d14 (Surrogate)	BYK0350-BLK1	128	%	40 - 150 (LCL - UCL)		
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QC Batch ID: BYK1055

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

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

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

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

Quality Control Report - Method Blank Analysis

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

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

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

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

Quality Control Report - Method Blank Analysis

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

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

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

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

Quality Control Report - Method Blank Analysis

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

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1600 Norris Road
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Reported: 11/16/2015 16:12
Project: GIG
Project Number: T10000007269
Project Manager: Jennifer Brady

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

Quality Control Report - Laboratory Control Sample

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

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1600 Norris Road
Bakersfield, CA 93308

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

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

Quality Control Report - Laboratory Control Sample

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

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

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

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

Quality Control Report - Precision & Accuracy

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

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

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

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

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BYK0350		Used client sample: N								
2-Fluorophenol (Surrogate)	MS	1524843-76	ND	29.898	50.000	ug/L		59.8		30 - 120
	MSD	1524843-76	ND	29.220	50.000	ug/L	2.3	58.4		30 - 120
Phenol-d5 (Surrogate)	MS	1524843-76	ND	17.454	50.000	ug/L		34.9		12 - 110
	MSD	1524843-76	ND	16.810	50.000	ug/L	3.8	33.6		12 - 110
Nitrobenzene-d5 (Surrogate)	MS	1524843-76	ND	40.511	50.000	ug/L		81.0		50 - 130
	MSD	1524843-76	ND	39.440	50.000	ug/L	2.7	78.9		50 - 130
2-Fluorobiphenyl (Surrogate)	MS	1524843-76	ND	43.095	50.000	ug/L		86.2		55 - 125
	MSD	1524843-76	ND	39.910	50.000	ug/L	7.7	79.8		55 - 125
2,4,6-Tribromophenol (Surrogate)	MS	1524843-76	ND	48.748	50.000	ug/L		97.5		40 - 150
	MSD	1524843-76	ND	48.310	50.000	ug/L	0.9	96.6		40 - 150
p-Terphenyl-d14 (Surrogate)	MS	1524843-76	ND	20.909	25.000	ug/L		83.6		40 - 150
	MSD	1524843-76	ND	20.240	25.000	ug/L	3.3	81.0		40 - 150
QC Batch ID: BYK1055		Used client sample: N								
Acenaphthene	MS	1524843-82	ND	2.0624	1.6949	mg/kg		122		30 - 140
	MSD	1524843-82	ND	1.8892	1.6779	mg/kg	8.8	113	30	30 - 140
1,4-Dichlorobenzene	MS	1524843-82	ND	1.7993	1.6949	mg/kg		106		50 - 130
	MSD	1524843-82	ND	1.7632	1.6779	mg/kg	2.0	105	30	50 - 130
2,4-Dinitrotoluene	MS	1524843-82	ND	2.0749	1.6949	mg/kg		122		50 - 130
	MSD	1524843-82	ND	2.0403	1.6779	mg/kg	1.7	122	30	50 - 130
Hexachlorobenzene	MS	1524843-82	ND	1.8458	1.6949	mg/kg		109		50 - 130
	MSD	1524843-82	ND	1.7416	1.6779	mg/kg	5.8	104	30	50 - 130
Hexachlorobutadiene	MS	1524843-82	ND	1.6566	1.6949	mg/kg		97.7		50 - 130
	MSD	1524843-82	ND	1.5474	1.6779	mg/kg	6.8	92.2	30	50 - 130
Hexachloroethane	MS	1524843-82	ND	1.8586	1.6949	mg/kg		110		50 - 130
	MSD	1524843-82	ND	1.8130	1.6779	mg/kg	2.5	108	30	50 - 130
Nitrobenzene	MS	1524843-82	ND	1.8285	1.6949	mg/kg		108		30 - 120
	MSD	1524843-82	ND	1.7269	1.6779	mg/kg	5.7	103	30	30 - 120
N-Nitrosodi-N-propylamine	MS	1524843-82	ND	1.8885	1.6949	mg/kg		111		20 - 130
	MSD	1524843-82	ND	1.3864	1.6779	mg/kg	30.7	82.6	30	20 - 130 Q02
Pyrene	MS	1524843-82	ND	2.6702	1.6949	mg/kg		158		40 - 140
	MSD	1524843-82	ND	2.2140	1.6779	mg/kg	18.7	132	30	40 - 140
1,2,4-Trichlorobenzene	MS	1524843-82	ND	1.7641	1.6949	mg/kg		104		50 - 130
	MSD	1524843-82	ND	1.6702	1.6779	mg/kg	5.5	99.5	30	50 - 130
4-Chloro-3-methylphenol	MS	1524843-82	ND	2.1376	1.6949	mg/kg		126		50 - 130
	MSD	1524843-82	ND	2.1203	1.6779	mg/kg	0.8	126	30	50 - 130
2-Chlorophenol	MS	1524843-82	ND	1.8017	1.6949	mg/kg		106		50 - 130
	MSD	1524843-82	ND	1.7865	1.6779	mg/kg	0.8	106	30	50 - 130

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

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

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

Quality Control Report - Precision & Accuracy

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

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

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

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

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

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

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

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

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

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

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

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

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

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

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

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

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

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

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

Modified WET Test (STLC)

Quality Control Report - Method Blank Analysis

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

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

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

Modified WET Test (STLC)

Quality Control Report - Laboratory Control Sample

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

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

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

Modified WET Test (STLC)

Quality Control Report - Precision & Accuracy

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

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

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

WET Test (STLC)

Quality Control Report - Method Blank Analysis

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

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

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

WET Test (STLC)

Quality Control Report - Laboratory Control Sample

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

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

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

WET Test (STLC)

Quality Control Report - Precision & Accuracy

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

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

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

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYK0397

Mercury	BYK0397-BLK1	ND	mg/kg	0.16	0.036	
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QC Batch ID: BYK0484

Antimony	BYK0484-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BYK0484-BLK1	ND	mg/kg	1.0	0.40	
Barium	BYK0484-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BYK0484-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BYK0484-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BYK0484-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BYK0484-BLK1	ND	mg/kg	2.5	0.098	
Copper	BYK0484-BLK1	0.055698	mg/kg	1.0	0.050	J
Lead	BYK0484-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BYK0484-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BYK0484-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BYK0484-BLK1	ND	mg/kg	1.0	0.98	
Silver	BYK0484-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BYK0484-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BYK0484-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BYK0484-BLK1	0.22333	mg/kg	2.5	0.087	J

QC Batch ID: BYK0764

Mercury	BYK0764-BLK1	ND	mg/kg	0.16	0.036	
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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

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

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

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

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

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

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

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

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

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

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BYK0484		Used client sample: Y - Description: BI-d15.0 Boring, 10/29/2015 08:09								
Selenium	DUP	1527691-04	ND	1.3291		mg/kg			20	
	MS	1527691-04	ND	9.2696	10.000	mg/kg		92.7		75 - 125
	MSD	1527691-04	ND	8.8030	10.000	mg/kg	5.2	88.0	20	75 - 125
Silver	DUP	1527691-04	0.11773	0.10323		mg/kg	13.1		20	J
	MS	1527691-04	0.11773	8.4267	10.000	mg/kg		83.1		75 - 125
	MSD	1527691-04	0.11773	8.4647	10.000	mg/kg	0.4	83.5	20	75 - 125
Thallium	DUP	1527691-04	ND	ND		mg/kg			20	
	MS	1527691-04	ND	88.679	100.00	mg/kg		88.7		75 - 125
	MSD	1527691-04	ND	87.722	100.00	mg/kg	1.1	87.7	20	75 - 125
Vanadium	DUP	1527691-04	24.755	25.502		mg/kg	3.0		20	
	MS	1527691-04	24.755	117.84	100.00	mg/kg		93.1		75 - 125
	MSD	1527691-04	24.755	117.89	100.00	mg/kg	0.0	93.1	20	75 - 125
Zinc	DUP	1527691-04	36.878	36.657		mg/kg	0.6		20	
	MS	1527691-04	36.878	120.66	100.00	mg/kg		83.8		75 - 125
	MSD	1527691-04	36.878	119.49	100.00	mg/kg	1.0	82.6	20	75 - 125
QC Batch ID: BYK0764		Used client sample: N								
Mercury	DUP	1527531-01	0.088852	0.10066		mg/kg	12.5		20	J
	MS	1527531-01	0.088852	0.82475	0.81967	mg/kg		89.8		80 - 120
	MSD	1527531-01	0.088852	0.91459	0.81967	mg/kg	10.3	101	20	80 - 120

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

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

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

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

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

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

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

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

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1600 Norris Road
Bakersfield, CA 93308

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

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

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

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1600 Norris Road
Bakersfield, CA 93308

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

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

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

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

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

Metals Analysis

Quality Control Report - Method Blank Analysis

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

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

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

Metals Analysis

Quality Control Report - Laboratory Control Sample

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

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

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

Metals Analysis

Quality Control Report - Precision & Accuracy

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

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

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

Metals Analysis

Quality Control Report - Precision & Accuracy

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

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

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

Notes And Definitions

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



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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Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	6
Laboratory / Client Sample Cross Reference.....	11

Sample Results

1528602-01 - SW1-d5.0 Excavation Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	21
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	24
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	28
Total Petroleum Hydrocarbons.....	29
Total Concentrations (TTL).....	30
1528602-02 - SW2-d7.5 Excavation Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	31
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	34
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	38
Total Petroleum Hydrocarbons.....	39
Total Concentrations (TTL).....	40
1528602-03 - SW3-d6.0 Excavation Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	41
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	44
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	48
Total Petroleum Hydrocarbons.....	49
Total Concentrations (TTL).....	50
1528602-04 - SW4-d7.5 Excavation Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	51
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	54
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	58
Total Petroleum Hydrocarbons.....	59
Total Concentrations (TTL).....	60
1528602-05 - XB1-d9.0 Excavation Bottom	
Volatile Organic Analysis (EPA Method 8260B).....	61
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	64
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	68
Total Petroleum Hydrocarbons.....	69
Total Concentrations (TTL).....	70
1528602-06 - XB2-d12.5 Excavation Bottom	
Volatile Organic Analysis (EPA Method 8260B).....	71
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	74
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	78
Total Petroleum Hydrocarbons.....	79
Total Concentrations (TTL).....	80
1528602-07 - SW5-d8.5 Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	81
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	84
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	88
Total Petroleum Hydrocarbons.....	89
Total Concentrations (TTL).....	90
1528602-08 - SW6-d10.5 Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	91
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	94
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	98
Total Petroleum Hydrocarbons.....	99
Total Concentrations (TTL).....	100
1528602-09 - SW7-d6.0 Sidewalls	
Volatile Organic Analysis (EPA Method 8260B).....	101

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Table of Contents

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 104

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 108

Total Petroleum Hydrocarbons..... 109

Total Concentrations (TTL)..... 110

1528602-10 - SW8-d4.5 Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 111

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 114

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 118

 Total Petroleum Hydrocarbons..... 119

 Total Concentrations (TTL)..... 120

1528602-11 - SW9-d8.5 Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 121

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 124

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 128

 Total Petroleum Hydrocarbons..... 129

 Total Concentrations (TTL)..... 130

1528602-12 - SW10-d5.0 Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 131

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 134

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 138

 Total Petroleum Hydrocarbons..... 139

 Total Concentrations (TTL)..... 140

1528602-13 - SW11-d8.0 Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 141

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 144

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 148

 Total Petroleum Hydrocarbons..... 149

 Total Concentrations (TTL)..... 150

1528602-14 - SW12-d11.0 Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 151

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 154

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 158

 Total Petroleum Hydrocarbons..... 159

 Total Concentrations (TTL)..... 160

1528602-15 - SW13-d12.5 Excavation Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 161

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 164

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 168

 Total Petroleum Hydrocarbons..... 169

 Total Concentrations (TTL)..... 170

1528602-16 - SW14-d7.0 Excavation Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 171

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 174

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 178

 Total Petroleum Hydrocarbons..... 179

 Total Concentrations (TTL)..... 180

1528602-17 - SW15-d8.5 Excavation Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 181

 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 184

 Purgeable Aromatics and Total Petroleum Hydrocarbons..... 188

 Total Petroleum Hydrocarbons..... 189

 Total Concentrations (TTL)..... 190

1528602-18 - SW16-d10.5 Excavation Sidewalls

 Volatile Organic Analysis (EPA Method 8260B)..... 191

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Table of Contents

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 194
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 198
Total Petroleum Hydrocarbons..... 199
Total Concentrations (TTL)..... 200
1528602-19 - SW17-d6.0 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 201
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 204
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 208
Total Petroleum Hydrocarbons..... 209
Total Concentrations (TTL)..... 210
1528602-20 - SW18-d5.0 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 211
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 214
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 218
Total Petroleum Hydrocarbons..... 219
Total Concentrations (TTL)..... 220
1528602-21 - SW19-d8.0 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 221
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 224
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 228
Total Petroleum Hydrocarbons..... 229
Total Concentrations (TTL)..... 230
1528602-22 - SW20-d5.0 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 231
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 234
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 238
Total Petroleum Hydrocarbons..... 239
Total Concentrations (TTL)..... 240
1528602-23 - SW21-d8.5 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 241
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 244
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 248
Total Petroleum Hydrocarbons..... 249
Total Concentrations (TTL)..... 250
1528602-24 - SW22-d5.0 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 251
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 254
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 258
Total Petroleum Hydrocarbons..... 259
WET Test (STLC)..... 260
Total Concentrations (TTL)..... 261
1528602-25 - SW23-d8.5 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 262
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 265
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 269
Total Petroleum Hydrocarbons..... 270
Total Concentrations (TTL)..... 271
1528602-26 - SW24-d4.0 Excavation Sidewalls
Volatile Organic Analysis (EPA Method 8260B)..... 272
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 275
Purgeable Aromatics and Total Petroleum Hydrocarbons..... 279
Total Petroleum Hydrocarbons..... 280
WET Test (STLC)..... 281
Total Concentrations (TTL)..... 282

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Table of Contents

1528602-27 - XB3-d11.5 Excavation Bottom

Volatile Organic Analysis (EPA Method 8260B)..... 283

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 286

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 290

Total Petroleum Hydrocarbons..... 291

Total Concentrations (TTLC)..... 292

1528602-28 - SW25-d8.0 Sidewall

Volatile Organic Analysis (EPA Method 8260B)..... 293

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 296

Purgeable Aromatics and Total Petroleum Hydrocarbons..... 300

Total Petroleum Hydrocarbons..... 301

Total Concentrations (TTLC)..... 302

Quality Control Reports

Volatile Organic Analysis (EPA Method 8260B)

Method Blank Analysis..... 303

Laboratory Control Sample..... 309

Precision and Accuracy..... 311

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

Method Blank Analysis..... 313

Laboratory Control Sample..... 320

Precision and Accuracy..... 322

Purgeable Aromatics and Total Petroleum Hydrocarbons

Method Blank Analysis..... 325

Laboratory Control Sample..... 326

Precision and Accuracy..... 327

Total Petroleum Hydrocarbons

Method Blank Analysis..... 328

Laboratory Control Sample..... 329

Precision and Accuracy..... 330

WET Test (STLC)

Method Blank Analysis..... 331

Laboratory Control Sample..... 332

Precision and Accuracy..... 333

Total Concentrations (TTLC)

Method Blank Analysis..... 334

Laboratory Control Sample..... 336

Precision and Accuracy..... 338

Notes

Notes and Definitions..... 341

Chain of Custody Form



Laboratories, Inc.

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

Client: *E & B Natural Resources* Project Name: *Gibbs Excavation*

Attn: *Jennifer Brady*

Street Address: *Van Abbots Rd*

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

Phone: *428-6446* Fax: _____

Email Address: *jbrady@ebresources.com*

Work Order #: *15-28602*

Analysis Requested: *CHM17 metals*

Global ID (Needed for EDF): *7000000269*

System # (Needed for EDT): _____

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

* Standard Turnaround = 10 work days

Sample Matrix: Soil Sludge Drinking Water Ground Water Waste Water Other

Turnaround # of work days: _____

Notes: *5 day TAT for all*

Sample #	Description	Date Sampled	Time Sampled	EDF Required? Geotracker	EDF Required? State of CA? (EDT)	Relinquished By	Date	Time	Received By	Date	Time
<i>Su11-d15.0-1</i>	<i>Excavation Sidewalks</i>	<i>11/6/15</i>	<i>13:17</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<i>[Signature]</i>	<i>11-9-15</i>	<i>8:13</i>	<i>[Signature]</i>	<i>11/11/15</i>	<i>08:13</i>
<i>Su12-d17.5-2</i>			<i>13:18</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su13-d16.0-3</i>			<i>13:25</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su14-d17.5-4</i>			<i>13:26</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>XB1-d19.0-5</i>	<i>Excavation Bottom</i>		<i>13:50</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>XB2-d12.5-6</i>			<i>13:51</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su15-d18.5-7</i>	<i>Sidewalks</i>		<i>13:34</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su16-d10.5-8</i>			<i>13:35</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su17-d16.0-9</i>			<i>14:57</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su18-d14.5-10</i>			<i>14:53</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su19-d18.5-11</i>			<i>15:03</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su10-d15.0-12</i>			<i>15:04</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su11-d18.0-13</i>			<i>15:29</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No						
<i>Su12-d11.0-14</i>				<input type="checkbox"/> Yes	<input type="checkbox"/> No						

CHLOR. DISTRIBUTION

KEY: *11/11/15 11:11 AM 11/11/15 11:11 AM*

SUB-OUT: *10/11/15*

Relinquished By: *[Signature]* Date: *11-9-15* Time: *8:13*

Relinquished By: *[Signature]* Date: *11/11/15* Time: *08:13*

Relinquished By: *[Signature]* Date: _____ Time: _____

EDF Required? Geotracker: Yes No

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

Client: *E & B Natural Resources* Address: _____ 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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Chain of Custody Form



Laboratories, Inc.

Report To: **EgB Natural Resources** Project #: _____

Client: **EgB Natural Resources** Project Name: **GIG Excavation**

Attn: **Jennifer Brady** City, State, Zip: **Bakersfield 93308** Sampler(s): **Jeff Munn**

Street Address: **1600 North Rd** Phone: **428-6446** Fax: _____

Email Address: **jbrady@egbresources.com** Work Order #: **15-28602**

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested	Sample Matrix	Turnaround # of work days	Notes
S113	d12.5-14 Excavation Sidewalk	11/6/15	16:30	CM17 metals	Soil		
S114	d 7.0 -16		16:20	Soil	Soil		
S115	d 8.5 -17		16:21	Soil	Soil		
S116	d 10.5 -18		16:33	Soil	Soil		
S117	d 16.0 -19		16:34	Soil	Soil		
S118	d 5.0 -20		17:50	Soil	Soil		
S119	d 8.0 -21		17:57	Soil	Soil		
S120	d 5.0 -22		16:48	Soil	Soil		
S121	d 8.5 -23		16:56	Soil	Soil		
S122	d 5.0 -24		16:57	Soil	Soil		
S123	d 8.5 -25		16:58	Soil	Soil		
S124	d 4.0 -26		17:05	Soil	Soil		
XB3	d 11.5 -27 Excavation Bottom		16:35	Soil	Soil		
S125	d 8.0 -28 Sidewalk		17:06	Soil	Soil		

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

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

* Standard Turnaround = 10 work days

Sample Matrix: Soil Sludge Drinking Water Ground Water Waste Water Other

Notes: **5 day TAT for all samples**

Global ID (Needed for EDF): **77000007269**

EDF Required? Geotracker: Yes No

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

Client: **EgB Natural Resources** Address: _____ City: _____ State: _____ Zip: _____

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: **0812**

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

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

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
 Temperature: (A) 5.0 °C / (C) 5.2 °C Analyst Init Maw

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 <u>Y04</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 0828 Rev 20 07/24/2015
 A = Actual / C = Corrected



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 MW

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 <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: MW Date/Time: 11-9-15 MW 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
 Temperature: (A) 5.0 °C / (C) 5.2 °C Analyst Init MAB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	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
------------	---------------------------

1528602-01	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 13:17
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW1-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:

1528602-02	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 13:18
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW2-d7.5 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:

1528602-03	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 13:25
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW3-d6.0 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
------------	---------------------------

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
------------	---------------------------

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
------------	---------------------------

1528602-10	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 14:54
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW8-d4.5 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:

1528602-11	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 14:53
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW9-d8.5 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:

1528602-12	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 15:03
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW10-d5.0 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
------------	---------------------------

1528602-13	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 15:04
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW11-d8.0 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:

1528602-14	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 15:29
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW12-d11.0 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:

1528602-15	COC Number: ---	Receive Date: 11/09/2015 08:13
	Project Number: GIG Excavation	Sampling Date: 11/06/2015 16:30
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SW13-d12.5 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:

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E & B Natural Resources 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
------------	---------------------------

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
------------	---------------------------

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
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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: 1528602-01		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
----------------------------------	--

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
----------------------------------	--

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: 1528602-01	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							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	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
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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						
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
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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 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
----------------------------------	---

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	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: 1528602-06	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
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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: 1528602-07	Client Sample Name: GIG Excavation, SW5-d8.5 Sidewalls, 11/6/2015 1:34:00PM, 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	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	TTLCLimits	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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E & B Natural Resources 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: 1528602-07	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		Instrument	Dilution	QC
			Date/Time	Analyst			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	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: 1528602-08	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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E & B Natural Resources 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 #
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
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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						
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
----------------------------------	---

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: 1528602-09	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						
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
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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)	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		Analyst	Instrument	Dilution	QC
			Date/Time					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						
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
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Constituent	Result	Units	PQL	MDL	Method	TTLIC 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
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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)	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
----------------------------------	--

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: 1528602-12	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							
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							
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	TTLIC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.0018	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							
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
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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						
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
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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: 1528602-14	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	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
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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	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: 1528602-15	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
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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: 1528602-15	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
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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 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
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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	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	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: 1528602-16	Client Sample Name: GIG Excavation, SW14-d7.0 Excavation Sidewalls, 11/6/2015 4:20:00PM, Jeff Monroe
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	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		Instrument	Dilution	QC
			Date/Time	Analyst			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	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: 1528602-17		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
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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: 1528602-17	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 #
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	TTLT 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						
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	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: 1528602-19	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 #
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		Instrument	Dilution	QC
			Date/Time	Analyst			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	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: 1528602-20	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 #
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
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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)	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
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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 Date/Time	Analyst	Instrument	Dilution	QC 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	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: 1528602-21	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	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	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)	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						
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
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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: 1528602-22	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						
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	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							
Constituent	Result	Units	PQL	MDL	Method	TTLIC 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		Instrument	Dilution	QC
			Date/Time	Analyst			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
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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: 1528602-23	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
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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)	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
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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
----------------------------------	---

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	TTLIC Limits	Lab Quals	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	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	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
----------------------------------	---

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
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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	1.3	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
----------------------------------	---

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
----------------------------------	---

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							
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							
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
----------------------------------	---

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 Date/Time	Analyst	Instrument	Dilution	QC 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	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: 1528602-27		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						
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
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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: 1528602-28	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 #
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
----------------------------------	---

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	3.5	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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Reported: 11/17/2015 17:38
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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 Date/Time	Analyst	Instrument	Dilution	QC 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
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	
1,1,1,2-Tetrachloroethane	BYK0810-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethane	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
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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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E & B Natural Resources 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						
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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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: 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 Quals
								Percent Recovery	Percent Recovery	
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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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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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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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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1600 Norris Road
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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 - 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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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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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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E & B Natural Resources 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								
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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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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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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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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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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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 Recovery		Lab	
								RPD	Percent Recovery		
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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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
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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 (TTLC)

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

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

Notes And Definitions

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A02 The difference between duplicate readings is less than the quantitation limit.
- 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.

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Date of Report: 12/01/2015

Jennifer Brady

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

Client Project: GIG Excavation
BCL Project: GIG
BCL Work Order: 1530059
Invoice ID: B220126

Enclosed are the results of analyses for samples received by the laboratory on 11/24/2015. 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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Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	5
Laboratory / Client Sample Cross Reference.....	10

Sample Results

1530059-01 - SW26-d15.0 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	13
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	16
Total Petroleum Hydrocarbons.....	20
Total Concentrations (TTL).....	21
1530059-02 - SW27-d11.0 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	22
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	25
Total Petroleum Hydrocarbons.....	29
Total Concentrations (TTL).....	30
1530059-03 - SW28-d6.0 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	31
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	34
Total Petroleum Hydrocarbons.....	38
Total Concentrations (TTL).....	39
1530059-04 - SW29-d9.5 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	40
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	43
Total Petroleum Hydrocarbons.....	47
Total Concentrations (TTL).....	48
1530059-05 - SW30-d11.5 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	49
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	52
Total Petroleum Hydrocarbons.....	56
Total Concentrations (TTL).....	57
1530059-06 - SW31-d7.0 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	58
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	61
Total Petroleum Hydrocarbons.....	65
Total Concentrations (TTL).....	66
1530059-07 - SW32-d12.0 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	67
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	70
Total Petroleum Hydrocarbons.....	74
Total Concentrations (TTL).....	75
1530059-08 - SW33-d9.0 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	76
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	79
Total Petroleum Hydrocarbons.....	83
Total Concentrations (TTL).....	84
1530059-09 - SW34-d8.5 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	85
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	88
Total Petroleum Hydrocarbons.....	92
Total Concentrations (TTL).....	93
1530059-10 - SW35-d5.5 Excavation Sidewall Samples	
Volatile Organic Analysis (EPA Method 8260B).....	94
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	97
Total Petroleum Hydrocarbons.....	101
Total Concentrations (TTL).....	102

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Table of Contents

1530059-11 - SW36-d8.0 Excavation Sidewall Samples
 Volatile Organic Analysis (EPA Method 8260B)..... 103
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 106
 Total Petroleum Hydrocarbons..... 110
 Total Concentrations (TTLC)..... 111

1530059-12 - SW37-d5.0 Excavation Sidewall Samples
 Volatile Organic Analysis (EPA Method 8260B)..... 112
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 115
 Total Petroleum Hydrocarbons..... 119
 Total Concentrations (TTLC)..... 120

1530059-13 - SW38-d7.5 Excavation Sidewall Samples
 Volatile Organic Analysis (EPA Method 8260B)..... 121
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 124
 Total Petroleum Hydrocarbons..... 128
 Total Concentrations (TTLC)..... 129

1530059-14 - SW39-d5.5 Excavation Sidewall Samples
 Volatile Organic Analysis (EPA Method 8260B)..... 130
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 133
 Total Petroleum Hydrocarbons..... 137
 Total Concentrations (TTLC)..... 138

1530059-15 - SW40-d9.0 Sidewalls
 Volatile Organic Analysis (EPA Method 8260B)..... 139
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 142
 Total Petroleum Hydrocarbons..... 146
 Total Concentrations (TTLC)..... 147

1530059-16 - SW41-d11.5 Sidewalls
 Volatile Organic Analysis (EPA Method 8260B)..... 148
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 151
 Total Petroleum Hydrocarbons..... 155
 Total Concentrations (TTLC)..... 156

1530059-17 - XB4-d15.0 Sidewalls
 Volatile Organic Analysis (EPA Method 8260B)..... 157
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 160
 Total Petroleum Hydrocarbons..... 164
 Total Concentrations (TTLC)..... 165

1530059-18 - XB5-d14.0 Excavation Bottom
 Volatile Organic Analysis (EPA Method 8260B)..... 166
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 169
 Total Petroleum Hydrocarbons..... 173
 Total Concentrations (TTLC)..... 174

1530059-19 - XB6-d14.5 Excavation Bottom
 Volatile Organic Analysis (EPA Method 8260B)..... 175
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 178
 Total Petroleum Hydrocarbons..... 182
 Total Concentrations (TTLC)..... 183

1530059-20 - XB7-d12.0 Excavation Bottom
 Volatile Organic Analysis (EPA Method 8260B)..... 184
 Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)..... 187
 Total Petroleum Hydrocarbons..... 191
 Total Concentrations (TTLC)..... 192

Quality Control Reports

Volatile Organic Analysis (EPA Method 8260B)
 Method Blank Analysis..... 193
 Laboratory Control Sample..... 197

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Table of Contents

Precision and Accuracy.....	198
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)	
Method Blank Analysis.....	200
Laboratory Control Sample.....	204
Precision and Accuracy.....	205
Total Petroleum Hydrocarbons	
Method Blank Analysis.....	207
Laboratory Control Sample.....	208
Precision and Accuracy.....	209
Total Concentrations (TTLC)	
Method Blank Analysis.....	210
Laboratory Control Sample.....	211
Precision and Accuracy.....	212
Notes	
Notes and Definitions.....	214



Laboratories, Inc.

Chain of Custody Form

Page 2 of 2

RUSH!

Analysis Requested

Report To: **E & B Natural Resources** Project #: _____
 Client: **E & B Natural Resources**
 Attn: **Jennifer Brady**
 Street Address: **1000 Abbot St**
 City, State, Zip: **Bakersfield**
 Phone: **428-6146** Fax: _____
 Email Address: **jbrady@ebresources.com**
 Work Order #: **15-30059**

Project Name: **646 Excavation**
 Sampler(s): **Jeff Monroe**
 Comments: **24 hr for SWS TPA-**

Sample #	Description	Date Sampled	Time Sampled
S1140-d19.0	Sidewalks -15	11/23/15	
S1141-d11.5	↓		
XB4-d15.0	↓		1749
XB5-d14.0	Excavation -18		
XB6-d14.5	Bo 40m -19		
XB7-d12.0	↓		

Sample Matrix	Turnaround # of work days	Notes
Soil		
Sludge		
Drinking Water		
Ground Water		
Waste Water		
Other		

Are there any tests with holding times less than or equal to 48 hours?
 Yes No
 * Standard Turnaround = 10 work days

Billing
 Client: **E & B Natural Resources**
 Address: _____
 City: _____ State: _____ Zip: _____
 Attn: _____
 PO#: _____

EDF Required? Geotracker Yes No
 Send Copy to State of CA? (EDT) Yes No

Global ID (Needed for EDF): **71000007269**

1. Relinquished By: _____ Date: **11-24-15** Time: **8:40**
 2. Relinquished By: _____ Date: _____ Time: _____
 3. Relinquished By: _____ Date: _____ Time: _____

System # (Needed for EDT): _____
 1. Received By: _____ Date: **8-24-15** Time: **8:40**
 2. Received By: _____ Date: _____ Time: _____
 3. Received By: _____ Date: _____ Time: _____

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



BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 3

Submission #: 15-30059 In 1/24/17

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: 0.95 Container: Glass Thermometer ID: 208 Date/Time: 11:24:15
 Temperature: (A) 0.10 °C (C) 0.5 °C Analyst Init: AD 8:40

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										
YT INORGANIC CHEMICAL METALS										
NORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
YT CYANIDE										
YT NITROGEN FORMS										
YT TOTAL SULFIDE										
oz NITRATE / NITRITE										
YT TOTAL ORGANIC CARBON										
YT CHEMICAL OXYGEN DEMAND										
YA PHENOLICS										
0ml VOA VIAL TRAVEL BLANK										
0ml VOA VIAL										
YT EPA 1664										
T ODOR										
ADIOLOGICAL										
ACTERIOLOGICAL										
0 ml VOA VIAL- 504										
T EPA 508/608/8080										
T EPA 515.1/8150										
T EPA 525										
T EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
z EPA 548										
T EPA 549										
T EPA 8015M										
T EPA 8270										
z / 16oz / 32oz AMBER										
z / 16oz / 32oz JAR										
IL SLEEVE										
B VIAL										
ASTIC BAG										
DLAR BAG										
RRIOUS IRON										
ICORE										
IART KIT										
MMA CANISTER										

Comments: 2, 4, 6, 10, 12, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100
 Sample Numbering Completed By: _____ Date/Time: 11-24-15 09:10
 = Actual / C = Corrected

Rev 20 07/24/2015 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 20)



BC LABORATORIES INC. COOLER RECEIPT FORM Page 12 Of 13

Submission #: 15-30059 112915

SHIPPING INFORMATION
 Exped Ex UPS Ontrac Hand Delivery
 C 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

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

COC Received
 YES NO

Emissivity: 0.95 **Container:** C9145 **Thermometer ID:** 208 **Date/Time:** 11-24-15
Temperature: (A) 0-10 °C (C) 0.5 °C **Analyst Init:** AD 8:40

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
PE UNPRES										
1/8oz / 16oz PE UNPRES										
Cr ⁶										
INORGANIC CHEMICAL METALS										
ORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
1 VOA VIAL TRAVEL BLANK										
1 VOA VIAL										
EPA 1664										
DDOR										
TOXICOLOGICAL										
TERIOLOGICAL										
1 VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
EPA 547										
EPA 531.1										
EPA 548										
EPA 549										
EPA 8015M										
EPA 8270										
16oz / 32oz AMBER										
16oz / 32oz JAR										
SLEEVE										
VIAL										
TIC BAG										
BAR BAG										
TOUS IRON										
DRE										
RT KIT										
4A CANISTER										

Notes: 2-4, 6-10, 12-16, 18-2 call dashes don't juggle or sample time
 e Numbering Completed By: _____ Date/Time: 11-24-15
 ctual / C = Corrected

IS:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC Rev 20



BC LABORATORIES INC. COOLER RECEIPT FORM Page 32 Of 32
 Submission #: 15-30059
 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: _____
 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: 208 Date/Time: 11/24/15
 Temperature: (A) 16.9 °C (C) 16.9 °C Analyst Init: AD 8140

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	110	111	112	113	114	115	116	117	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	XCL	A	A	A	A	A	A	A		
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: dashes 2-4, 6-16, 12-16, 18-20 don't forget sample time - 16 description don't
 Sample Numbering Completed By: [Signature] Date/Time: 11-24-15
 A = Actual / C = Corrected
 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC\2015)



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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1530059-01	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 14:23
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW26-d15.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-02	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW27-d11.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-03	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW28-d6.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-04	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW29-d9.5 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-05	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 15:01
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW30-d11.5 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-06	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW31-d7.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-07	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW32-d12.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1530059-08	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW33-d9.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-09	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW34-d8.5 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-10	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/23/2015 14:23
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW35-d5.5 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-11	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/20/2015 14:34
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW36-d8.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-12	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/23/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW37-d5.0 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-13	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/23/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW38-d7.5 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil
1530059-14	COC Number:	---		11/24/2015 08:40	
	Project Number:	---		Sampling Date:	11/23/2015 00:00
	Sampling Location:	---		Sample Depth:	---
	Sampling Point:	SW39-d5.5 Excavation Sidewall Samples		Lab Matrix:	Solids
	Sampled By:	Jeff Monroe		Sample Type:	Soil

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		Receive Date:	Sampling Date:	Sample Depth:	Lab Matrix:	Sample Type:
1530059-15	COC Number:	---	11/24/2015 08:40	11/23/2015 00:00	---	Solids	Soil
	Project Number:	---					
	Sampling Location:	---					
	Sampling Point:	SW40-d9.0 Sidewalls					
	Sampled By:	Jeff Monroe					
1530059-16	COC Number:	---	11/24/2015 08:40	11/23/2015 00:00	---	Solids	Soil
	Project Number:	---					
	Sampling Location:	---					
	Sampling Point:	SW41-d11.5 Sidewalls					
	Sampled By:	Jeff Monroe					
1530059-17	COC Number:	---	11/24/2015 08:40	11/23/2015 17:49	---	Solids	Soil
	Project Number:	---					
	Sampling Location:	---					
	Sampling Point:	XB4-d15.0 Sidewalls					
	Sampled By:	Jeff Monroe					
1530059-18	COC Number:	---	11/24/2015 08:40	11/23/2015 00:00	---	Solids	Soil
	Project Number:	---					
	Sampling Location:	---					
	Sampling Point:	XB5-d14.0 Excavation Bottom					
	Sampled By:	Jeff Monroe					
1530059-19	COC Number:	---	11/24/2015 08:40	11/23/2015 00:00	---	Solids	Soil
	Project Number:	---					
	Sampling Location:	---					
	Sampling Point:	XB6-d14.5 Excavation Bottom					
	Sampled By:	Jeff Monroe					
1530059-20	COC Number:	---	11/24/2015 08:40	11/23/2015 00:00	---	Solids	Soil
	Project Number:	---					
	Sampling Location:	---					
	Sampling Point:	XB7-d12.0 Excavation Bottom					
	Sampled By:	Jeff Monroe					

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-01		Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, 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)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 02:58	JML	MS-V3	1	BYK2292

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, 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)	91.3	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	80.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-01		Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	81.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	59.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	75.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	70.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 16:26	VH1	MS-B2	0.963	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	80.0	%	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	11/24/15	11/24/15 17:33	MWB	GC-2	1.007	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-01	Client Sample Name: SW26-d15.0 Excavation Sidewall Samples, 11/20/2015 2:23:00PM, 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	180	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	15	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	6.8	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.2	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	17	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.10	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	21	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	20	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	11/25/15	11/25/15 12:15	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:23	ALW	CETAC1	0.992	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/24/15	11/25/15	03:22	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
----------------------------------	---

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

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	98.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	89.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	97.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	97.0	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	84.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	87.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 16:51	VH1	MS-B2	0.997	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	95.3	%	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	11/24/15	11/24/15 17:56	MWB	GC-2	1	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-02	Client Sample Name: SW27-d11.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	1.0	0.40	EPA-6010B	500		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.18	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	9.4	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	5.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	3.9	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	11	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.090	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	18	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	16	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/25/15	11/25/15	12:16	ARD	PE-OP3	0.952	BYK2398
2	EPA-7471A	11/24/15	11/25/15	06:25	ALW	CETAC1	1.025	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-03		Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	107	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 03:45	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	96.4	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	87.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	88.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	75.6	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	75.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	63.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 17:16	VH1	MS-B2	0.997	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	86.1	%	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	11/24/15	11/24/15 18:18	MWB	GC-2	1	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-03	Client Sample Name: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	1.0	0.40	EPA-6010B	500		1
Barium	310	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	21	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	7.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	10	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.0	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	1.0	0.98	EPA-6010B	100		1
Silver	0.074	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	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	11/25/15	11/25/15 11:57	ARD	PE-OP3	1	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:12	ALW	CETAC1	0.962	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-04		Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 04:08	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	97.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	87.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	94.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	72.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	73.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 17:41	VH1	MS-B2	0.954	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	79.6	%	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	11/24/15	11/24/15 19:26	MWB	GC-2	1	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-04	Client Sample Name: SW29-d9.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	2.1	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	15	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.13	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	18	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	23	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	20	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/25/15	11/25/15	12:22	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15	06:27	ALW	CETAC1	0.992	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-05		Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, 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)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 04:31	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, 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)	98.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	86.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	91.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	69.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	71.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	76.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 18:06	VH1	MS-B2	1.007	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	74.5	%	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	11/24/15	11/24/15 19:49	MWB	GC-2	0.987	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-05	Client Sample Name: SW30-d11.5 Excavation Sidewall Samples, 11/20/2015 3:01:00PM, 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	2.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	220	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	5.9	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.1	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	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	18	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	11/25/15	11/25/15 12:23	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:34	ALW	CETAC1	0.992	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 04:54	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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			1
Acenaphthylene	ND	mg/kg	1.0	0.19	EPA-8270C			1
Aldrin	ND	mg/kg	1.0	0.24	EPA-8270C	1.4		1
Aniline	ND	mg/kg	2.0	0.53	EPA-8270C			1
Anthracene	ND	mg/kg	1.0	0.18	EPA-8270C			1
Benzidine	ND	mg/kg	30	2.2	EPA-8270C			1
Benzo[a]anthracene	ND	mg/kg	1.0	0.12	EPA-8270C			1
Benzo[b]fluoranthene	ND	mg/kg	1.0	0.18	EPA-8270C			1
Benzo[k]fluoranthene	ND	mg/kg	1.0	0.19	EPA-8270C			1
Benzo[a]pyrene	ND	mg/kg	1.0	0.15	EPA-8270C			1
Benzo[g,h,i]perylene	ND	mg/kg	1.0	0.56	EPA-8270C			1
Benzoic acid	ND	mg/kg	5.0	0.67	EPA-8270C			1
Benzyl alcohol	ND	mg/kg	1.0	0.18	EPA-8270C			1
Benzyl butyl phthalate	ND	mg/kg	1.0	0.21	EPA-8270C			1
alpha-BHC	ND	mg/kg	1.0	0.18	EPA-8270C			1
beta-BHC	ND	mg/kg	1.0	0.21	EPA-8270C			1
delta-BHC	ND	mg/kg	1.0	0.18	EPA-8270C			1
gamma-BHC (Lindane)	ND	mg/kg	1.0	0.17	EPA-8270C	4.0		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.0	0.17	EPA-8270C			1
bis(2-Chloroethyl) ether	ND	mg/kg	1.0	0.16	EPA-8270C			1
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.0	0.21	EPA-8270C			1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	2.0	0.43	EPA-8270C			1
4-Bromophenyl phenyl ether	ND	mg/kg	1.0	0.17	EPA-8270C			1
4-Chloroaniline	ND	mg/kg	1.0	0.27	EPA-8270C			1
2-Chloronaphthalene	ND	mg/kg	1.0	0.20	EPA-8270C			1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.0	0.15	EPA-8270C			1
Chrysene	ND	mg/kg	1.0	0.17	EPA-8270C			1
4,4'-DDD	ND	mg/kg	1.0	0.17	EPA-8270C	1.0		1
4,4'-DDE	ND	mg/kg	1.0	0.17	EPA-8270C	1.0		1
4,4'-DDT	ND	mg/kg	1.0	0.19	EPA-8270C	1.0		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.0	0.19	EPA-8270C			1
Dibenzofuran	ND	mg/kg	1.0	0.20	EPA-8270C			1
1,2-Dichlorobenzene	ND	mg/kg	1.0	0.20	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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			1
1,4-Dichlorobenzene	ND	mg/kg	1.0	0.19	EPA-8270C			1
3,3-Dichlorobenzidine	ND	mg/kg	2.0	0.067	EPA-8270C			1
Dieldrin	ND	mg/kg	1.0	0.31	EPA-8270C	8.0		1
Diethyl phthalate	ND	mg/kg	1.0	0.19	EPA-8270C			1
Dimethyl phthalate	ND	mg/kg	1.0	0.20	EPA-8270C			1
Di-n-butyl phthalate	ND	mg/kg	1.0	0.18	EPA-8270C			1
2,4-Dinitrotoluene	ND	mg/kg	1.0	0.22	EPA-8270C			1
2,6-Dinitrotoluene	ND	mg/kg	1.0	0.18	EPA-8270C			1
Di-n-octyl phthalate	ND	mg/kg	1.0	0.17	EPA-8270C			1
1,2-Diphenylhydrazine	ND	mg/kg	1.0	0.19	EPA-8270C			1
Endosulfan I	ND	mg/kg	2.0	0.20	EPA-8270C			1
Endosulfan II	ND	mg/kg	2.0	0.21	EPA-8270C			1
Endosulfan sulfate	ND	mg/kg	1.0	0.21	EPA-8270C			1
Endrin	ND	mg/kg	2.0	0.25	EPA-8270C	0.2		1
Endrin aldehyde	ND	mg/kg	5.0	0.22	EPA-8270C			1
Fluoranthene	ND	mg/kg	1.0	0.17	EPA-8270C			1
Fluorene	ND	mg/kg	1.0	0.19	EPA-8270C			1
Heptachlor	ND	mg/kg	1.0	0.21	EPA-8270C	4.7		1
Heptachlor epoxide	ND	mg/kg	1.0	0.17	EPA-8270C			1
Hexachlorobenzene	ND	mg/kg	1.0	0.16	EPA-8270C			1
Hexachlorobutadiene	ND	mg/kg	1.0	0.17	EPA-8270C			1
Hexachlorocyclopentadiene	ND	mg/kg	1.0	0.19	EPA-8270C			1
Hexachloroethane	ND	mg/kg	1.0	0.20	EPA-8270C			1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.0	0.72	EPA-8270C			1
Isophorone	ND	mg/kg	1.0	0.17	EPA-8270C			1
2-Methylnaphthalene	ND	mg/kg	1.0	0.18	EPA-8270C			1
Naphthalene	ND	mg/kg	1.0	0.18	EPA-8270C			1
2-Naphthylamine	ND	mg/kg	30	1.6	EPA-8270C			1
2-Nitroaniline	ND	mg/kg	1.0	0.18	EPA-8270C			1
3-Nitroaniline	ND	mg/kg	2.0	0.15	EPA-8270C			1
4-Nitroaniline	ND	mg/kg	2.0	0.25	EPA-8270C			1
Nitrobenzene	ND	mg/kg	1.0	0.15	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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			1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.0	0.21	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	1.0	0.21	EPA-8270C			1
Phenanthrene	ND	mg/kg	1.0	0.18	EPA-8270C			1
Pyrene	ND	mg/kg	1.0	0.17	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	1.0	0.18	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	2.0	0.22	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	1.0	0.16	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	1.0	0.17	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	1.0	0.35	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.0	0.12	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	5.0	0.077	EPA-8270C			1
2-Methylphenol	ND	mg/kg	1.0	0.17	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C			1
Total Methylphenol	ND	mg/kg	2.0	0.47	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	1.0	0.16	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	2.0	0.18	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	2.0	0.13	EPA-8270C	17		1
Phenol	ND	mg/kg	1.0	0.16	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.18	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	2.0	0.17	EPA-8270C			1
PCB-1016	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1221	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1232	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1242	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1248	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1254	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1260	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1262	ND	mg/kg	20	10	EPA-8270C	50		1
PCB-1268	ND	mg/kg	20	10	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	20	10	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	85.4	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	80.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	83.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	75.1	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	0	%	20 - 150 (LCL - UCL)		EPA-8270C		A17	1
p-Terphenyl-d14 (Surrogate)	73.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 18:31	VH1	MS-B2	9.541	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	11	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	140	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	80.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/24/15	11/24/15 20:12	MWB	GC-2	0.993	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-06	Client Sample Name: SW31-d7.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	2.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	300	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	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	7.1	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.6	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	23	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.12	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	25	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	11/25/15	11/25/15 12:24	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:36	ALW	CETAC1	0.977	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 05:17	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	33.1	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	29.4	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	29.3	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	23.3	%	30 - 140 (LCL - UCL)		EPA-8270C		S09	1
2,4,6-Tribromophenol (Surrogate)	25.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	24.7	%	30 - 150 (LCL - UCL)		EPA-8270C		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 18:56	VH1	MS-B2	0.970	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	88.0	%	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	11/24/15	11/24/15 20:57	MWB	GC-2	1.007	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-07	Client Sample Name: SW32-d12.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	2.6	mg/kg	1.0	0.40	EPA-6010B	500		1
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	20	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	10	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	20	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.18	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	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	11/25/15	11/25/15 12:26	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:38	ALW	CETAC1	0.962	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-08		Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-08 **Client Sample Name:** SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/24/15	11/25/15	05:40	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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)	83.3	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	75.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	83.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	72.9	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	62.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	68.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 19:21	VH1	MS-B2	0.993	BYK2536

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	82.9	%	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	11/24/15	11/24/15 21:19	MWB	GC-2	1.003	BYK2307

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1600 Norris Road
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Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-08	Client Sample Name: SW33-d9.0 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	1.0	0.40	EPA-6010B	500		1
Barium	190	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.23	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	13	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	6.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.3	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	13	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	20	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	20	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	11/25/15	11/25/15 12:27	ARD	PE-OP3	0.962	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:40	ALW	CETAC1	0.977	BYK2322

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Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLT 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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Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-09		Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	120	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-09 **Client Sample Name:** SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/24/15	11/25/15 06:04	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.50	0.090	EPA-8270C			1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C			1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	1.4		1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C			1
Anthracene	ND	mg/kg	0.50	0.090	EPA-8270C			1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C			1
Benzo[a]anthracene	ND	mg/kg	0.50	0.060	EPA-8270C			1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C			1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C			1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C			1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C			1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C			1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C			1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C			1
alpha-BHC	ND	mg/kg	0.50	0.090	EPA-8270C			1
beta-BHC	ND	mg/kg	0.50	0.10	EPA-8270C			1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C			1
gamma-BHC (Lindane)	ND	mg/kg	0.50	0.085	EPA-8270C	4.0		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C			1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C			1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.50	0.10	EPA-8270C			1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.0	0.22	EPA-8270C			1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C			1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C			1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C			1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C			1
Chrysene	ND	mg/kg	0.50	0.085	EPA-8270C			1
4,4'-DDD	ND	mg/kg	0.50	0.085	EPA-8270C	1.0		1
4,4'-DDE	ND	mg/kg	0.50	0.085	EPA-8270C	1.0		1
4,4'-DDT	ND	mg/kg	0.50	0.095	EPA-8270C	1.0		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C			1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C			1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C			1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C			1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C			1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	8.0		1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C			1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C			1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C			1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C			1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C			1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C			1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C			1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C			1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C			1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C			1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	0.2		1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C			1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C			1
Fluorene	ND	mg/kg	0.50	0.095	EPA-8270C			1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	4.7		1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C			1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C			1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C			1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C			1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C			1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C			1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C			1
2-Methylnaphthalene	ND	mg/kg	0.50	0.090	EPA-8270C			1
Naphthalene	ND	mg/kg	0.50	0.090	EPA-8270C			1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C			1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C			1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C			1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C			1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	0.50	0.10	EPA-8270C			1
Phenanthrene	ND	mg/kg	0.50	0.090	EPA-8270C			1
Pyrene	ND	mg/kg	0.50	0.085	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	1.0	0.11	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C			1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C			1
Total Methylphenol	ND	mg/kg	1.0	0.24	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	17		1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C			1
PCB-1016	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1221	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1232	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1242	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1248	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1254	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1260	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1262	ND	mg/kg	10	5.0	EPA-8270C	50		1
PCB-1268	ND	mg/kg	10	5.0	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	10	5.0	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	80.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	69.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	55.9	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	58.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	62.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 19:46	VH1	MS-B2	5.085	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	15	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	65	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	75.1	%	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	11/24/15	11/24/15 21:42	MWB	GC-2	1.017	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-09	Client Sample Name: SW34-d8.5 Excavation Sidewall Samples, 11/20/2015 12:00:00AM, 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	3.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	260	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	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	6.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.0	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.1	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	1.0	0.98	EPA-6010B	100		1
Silver	0.086	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	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	11/25/15	11/25/15 12:28	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:42	ALW	CETAC1	0.977	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-10		Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, 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)	121	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 06:27	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, 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)	82.5	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	76.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	84.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	63.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	57.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 20:11	VH1	MS-B2	1	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	66.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/24/15	11/24/15 22:05	MWB	GC-2	0.993	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-10	Client Sample Name: SW35-d5.5 Excavation Sidewall Samples, 11/23/2015 2:23:00PM, 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	2.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	230	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.32	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	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.1	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.1	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.16	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	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	11/25/15	11/25/15 12:34	ARD	PE-OP3	0.952	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:45	ALW	CETAC1	1.025	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, 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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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, 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)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/24/15	11/25/15	06:50	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, 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	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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, 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	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)	77.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	72.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	71.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	51.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	61.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	59.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 20:36	VH1	MS-B2	0.950	BYK2536

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	149	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/24/15	11/24/15 22:27	MWB	GC-2	0.993	BYK2307

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-11	Client Sample Name: SW36-d8.0 Excavation Sidewall Samples, 11/20/2015 2:34:00PM, 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	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	290	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	21	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	7.1	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.7	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.1	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	24	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.14	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	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	11/25/15	11/25/15 12:35	ARD	PE-OP3	0.962	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:47	ALW	CETAC1	0.992	BYK2322

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Benzene	0.0024	mg/kg	0.0050	0.0013	EPA-8260B		J	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	0.094	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	0.35	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	0.12	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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-12		Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	0.22	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	0.33	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	0.029	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	0.43	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	0.27	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	0.25	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	0.027	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	0.25	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	0.068	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	0.27	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	0.15	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	0.11	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	119	%	81 - 117 (LCL - UCL)		EPA-8260B		S09	1
4-Bromofluorobenzene (Surrogate)	490	%	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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 08:47	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Acenaphthene	ND	mg/kg	8.8	1.6	EPA-8270C			1
Acenaphthylene	ND	mg/kg	8.8	1.7	EPA-8270C			1
Aldrin	ND	mg/kg	8.8	2.1	EPA-8270C	1.4		1
Aniline	ND	mg/kg	18	4.7	EPA-8270C			1
Anthracene	ND	mg/kg	8.8	1.6	EPA-8270C			1
Benzidine	ND	mg/kg	260	19	EPA-8270C			1
Benzo[a]anthracene	ND	mg/kg	8.8	1.1	EPA-8270C			1
Benzo[b]fluoranthene	ND	mg/kg	8.8	1.6	EPA-8270C			1
Benzo[k]fluoranthene	ND	mg/kg	8.8	1.7	EPA-8270C			1
Benzo[a]pyrene	ND	mg/kg	8.8	1.3	EPA-8270C			1
Benzo[g,h,i]perylene	ND	mg/kg	8.8	4.9	EPA-8270C			1
Benzoic acid	ND	mg/kg	44	5.9	EPA-8270C			1
Benzyl alcohol	ND	mg/kg	8.8	1.6	EPA-8270C			1
Benzyl butyl phthalate	ND	mg/kg	8.8	1.9	EPA-8270C			1
alpha-BHC	ND	mg/kg	8.8	1.6	EPA-8270C			1
beta-BHC	ND	mg/kg	8.8	1.9	EPA-8270C			1
delta-BHC	ND	mg/kg	8.8	1.6	EPA-8270C			1
gamma-BHC (Lindane)	ND	mg/kg	8.8	1.5	EPA-8270C	4.0		1
bis(2-Chloroethoxy)methane	ND	mg/kg	8.8	1.5	EPA-8270C			1
bis(2-Chloroethyl) ether	ND	mg/kg	8.8	1.4	EPA-8270C			1
bis(2-Chloroisopropyl) ether	ND	mg/kg	8.8	1.9	EPA-8270C			1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	18	3.8	EPA-8270C			1
4-Bromophenyl phenyl ether	ND	mg/kg	8.8	1.5	EPA-8270C			1
4-Chloroaniline	ND	mg/kg	8.8	2.4	EPA-8270C			1
2-Chloronaphthalene	ND	mg/kg	8.8	1.8	EPA-8270C			1
4-Chlorophenyl phenyl ether	ND	mg/kg	8.8	1.3	EPA-8270C			1
Chrysene	ND	mg/kg	8.8	1.5	EPA-8270C			1
4,4'-DDD	ND	mg/kg	8.8	1.5	EPA-8270C	1.0		1
4,4'-DDE	ND	mg/kg	8.8	1.5	EPA-8270C	1.0		1
4,4'-DDT	ND	mg/kg	8.8	1.7	EPA-8270C	1.0		1
Dibenzo[a,h]anthracene	ND	mg/kg	8.8	1.7	EPA-8270C			1
Dibenzofuran	ND	mg/kg	8.8	1.8	EPA-8270C			1
1,2-Dichlorobenzene	ND	mg/kg	8.8	1.8	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	8.8	1.9	EPA-8270C			1
1,4-Dichlorobenzene	ND	mg/kg	8.8	1.7	EPA-8270C			1
3,3-Dichlorobenzidine	ND	mg/kg	18	0.59	EPA-8270C			1
Dieldrin	ND	mg/kg	8.8	2.7	EPA-8270C	8.0		1
Diethyl phthalate	ND	mg/kg	8.8	1.7	EPA-8270C			1
Dimethyl phthalate	ND	mg/kg	8.8	1.8	EPA-8270C			1
Di-n-butyl phthalate	ND	mg/kg	8.8	1.6	EPA-8270C			1
2,4-Dinitrotoluene	ND	mg/kg	8.8	1.9	EPA-8270C			1
2,6-Dinitrotoluene	ND	mg/kg	8.8	1.6	EPA-8270C			1
Di-n-octyl phthalate	ND	mg/kg	8.8	1.5	EPA-8270C			1
1,2-Diphenylhydrazine	ND	mg/kg	8.8	1.7	EPA-8270C			1
Endosulfan I	ND	mg/kg	18	1.8	EPA-8270C			1
Endosulfan II	ND	mg/kg	18	1.9	EPA-8270C			1
Endosulfan sulfate	ND	mg/kg	8.8	1.9	EPA-8270C			1
Endrin	ND	mg/kg	18	2.2	EPA-8270C	0.2		1
Endrin aldehyde	ND	mg/kg	44	1.9	EPA-8270C			1
Fluoranthene	ND	mg/kg	8.8	1.5	EPA-8270C			1
Fluorene	22	mg/kg	8.8	1.7	EPA-8270C			1
Heptachlor	ND	mg/kg	8.8	1.9	EPA-8270C	4.7		1
Heptachlor epoxide	ND	mg/kg	8.8	1.5	EPA-8270C			1
Hexachlorobenzene	ND	mg/kg	8.8	1.4	EPA-8270C			1
Hexachlorobutadiene	ND	mg/kg	8.8	1.5	EPA-8270C			1
Hexachlorocyclopentadiene	ND	mg/kg	8.8	1.7	EPA-8270C			1
Hexachloroethane	ND	mg/kg	8.8	1.8	EPA-8270C			1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	8.8	6.4	EPA-8270C			1
Isophorone	ND	mg/kg	8.8	1.5	EPA-8270C			1
2-Methylnaphthalene	75	mg/kg	8.8	1.6	EPA-8270C			1
Naphthalene	13	mg/kg	8.8	1.6	EPA-8270C			1
2-Naphthylamine	ND	mg/kg	260	14	EPA-8270C			1
2-Nitroaniline	ND	mg/kg	8.8	1.6	EPA-8270C			1
3-Nitroaniline	ND	mg/kg	18	1.3	EPA-8270C			1
4-Nitroaniline	ND	mg/kg	18	2.2	EPA-8270C			1
Nitrobenzene	ND	mg/kg	8.8	1.3	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	8.8	3.3	EPA-8270C			1
N-Nitrosodi-N-propylamine	ND	mg/kg	8.8	1.9	EPA-8270C			1
N-Nitrosodiphenylamine	ND	mg/kg	8.8	1.9	EPA-8270C			1
Phenanthrene	27	mg/kg	8.8	1.6	EPA-8270C			1
Pyrene	ND	mg/kg	8.8	1.5	EPA-8270C			1
1,2,4-Trichlorobenzene	ND	mg/kg	8.8	1.6	EPA-8270C			1
4-Chloro-3-methylphenol	ND	mg/kg	18	1.9	EPA-8270C			1
2-Chlorophenol	ND	mg/kg	8.8	1.4	EPA-8270C			1
2,4-Dichlorophenol	ND	mg/kg	8.8	1.5	EPA-8270C			1
2,4-Dimethylphenol	ND	mg/kg	8.8	3.1	EPA-8270C			1
4,6-Dinitro-2-methylphenol	ND	mg/kg	44	1.1	EPA-8270C			1
2,4-Dinitrophenol	ND	mg/kg	44	0.68	EPA-8270C			1
2-Methylphenol	ND	mg/kg	8.8	1.5	EPA-8270C			1
3- & 4-Methylphenol	ND	mg/kg	18	2.9	EPA-8270C			1
Total Methylphenol	ND	mg/kg	18	4.1	EPA-8270C			1
2-Nitrophenol	ND	mg/kg	8.8	1.4	EPA-8270C			1
4-Nitrophenol	ND	mg/kg	18	1.6	EPA-8270C			1
Pentachlorophenol	ND	mg/kg	18	1.1	EPA-8270C	17		1
Phenol	ND	mg/kg	8.8	1.4	EPA-8270C			1
2,4,5-Trichlorophenol	ND	mg/kg	18	1.6	EPA-8270C			1
2,4,6-Trichlorophenol	ND	mg/kg	18	1.5	EPA-8270C			1
PCB-1016	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1221	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1232	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1242	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1248	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1254	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1260	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1262	ND	mg/kg	180	88	EPA-8270C	50		1
PCB-1268	ND	mg/kg	180	88	EPA-8270C	50		1
Total PCB's (Summation)	ND	mg/kg	180	88	EPA-8270C	50		1
2-Fluorophenol (Surrogate)	101	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	89.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	96.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	99.0	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	78.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	82.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 21:01	VH1	MS-B2	88.235	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4600	1200	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	16000	mg/kg	2300	280	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	16000	mg/kg	4600	1500	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	71.7	%	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	11/24/15	11/24/15 15:08	MWB	GC-2	230.77	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-12	Client Sample Name: SW37-d5.0 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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	250	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.17	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	26	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	7.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.3	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.81	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	10	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.20	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	0.70	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	61	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	11/25/15	11/25/15 12:36	ARD	PE-OP3	0.952	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:49	ALW	CETAC1	1.025	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 07:14	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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)	90.2	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	77.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	84.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	67.3	%	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	11/24/15	11/25/15 21:26	VH1	MS-B2	0.997	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	63.0	%	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	11/24/15	11/24/15 23:12	MWB	GC-2	1.014	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-13	Client Sample Name: SW38-d7.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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	1.0	0.40	EPA-6010B	500		1
Barium	280	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	20	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	8.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.8	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.4	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.068	mg/kg	0.16	0.036	EPA-7471A	20	J	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	1.0	0.98	EPA-6010B	100		1
Silver	0.099	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	30	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	11/25/15	11/25/15 12:38	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:51	ALW	CETAC1	1.008	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-14		Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	106	%	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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/15	11/25/15 16:01	JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe
----------------------------------	--

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

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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)	69.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	68.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	73.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	59.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	46.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	53.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 21:51	VH1	MS-B2	1	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	67.7	%	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	11/24/15	11/25/15 00:20	MWB	GC-2	0.990	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-14	Client Sample Name: SW39-d5.5 Excavation Sidewall Samples, 11/23/2015 12:00:00AM, 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	1.0	0.40	EPA-6010B	500		1
Barium	270	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	6.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.7	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	25	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	11/25/15	11/25/15 12:39	ARD	PE-OP3	0.990	BYK2398
2	EPA-7471A	11/24/15	11/25/15 06:53	ALW	CETAC1	1.025	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-15		Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/24/15	11/25/15 08:01		JML	MS-V3	1	BYK2292

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-15		Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C			1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	1.4		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C			1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C			1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C			1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C			1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C			1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C			1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C			1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C			1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C			1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C			1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C			1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C			1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C			1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	4.0		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C			1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C			1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10	0.021	EPA-8270C			1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C			1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C			1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C			1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C			1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C			1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C			1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	1.0		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	1.0		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	1.0		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C			1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C			1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, 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)	67.3	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	73.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	82.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	66.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	64.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	63.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 22:16	VH1	MS-B2	1	BYK2536

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	75.6	%	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	11/24/15	11/24/15 22:50	MWB	GC-2	0.997	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-15	Client Sample Name: SW40-d9.0 Sidewalls, 11/23/2015 12:00:00AM, 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	1.0	0.40	EPA-6010B	500		1
Barium	320	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	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	17	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	7.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.6	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	20	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.12	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	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		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/25/15	11/25/15	12:41	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15	07:00	ALW	CETAC1	0.992	BYK2322

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-16		Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	0.0024	mg/kg	0.0050	0.0016	EPA-8260B		J	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)	115	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/24/15	11/25/15 08:24	JML	MS-V3	1	BYK2311

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, 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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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, 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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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, 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)	70.5	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	69.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	78.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	73.4	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	57.9	%	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	11/24/15	11/25/15 22:41	VH1	MS-B2	0.974	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	73.9	%	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	11/24/15	11/25/15 01:05	MWB	GC-2	0.990	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-16	Client Sample Name: SW41-d11.5 Sidewalls, 11/23/2015 12:00:00AM, 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	2.7	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	270	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	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	14	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	6.8	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.8	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.069	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	16	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	22	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	11/25/15	11/25/15 12:42	ARD	PE-OP3	0.971	BYK2398
2	EPA-7471A	11/24/15	11/25/15 07:02	ALW	CETAC1	1.008	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-17 Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-17		Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-17	Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/24/15	11/30/15	12:10	JML	MS-V3	1	BYK2311

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-17	Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-17	Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-17 Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, 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)	56.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-17	Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	58.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	33.0	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	37.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	58.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 23:06	VH1	MS-B2	0.977	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-17	Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	78.8	%	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	11/24/15	11/25/15 00:43	MWB	GC-2	1.014	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-17	Client Sample Name: XB4-d15.0 Sidewalls, 11/23/2015 5:49:00PM, 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	140	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.21	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	5.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.0	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	14	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	18	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	16	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	11/25/15	11/25/15 12:43	ARD	PE-OP3	0.980	BYK2398
2	EPA-7471A	11/24/15	11/25/15 07:04	ALW	CETAC1	1.025	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/24/15	11/25/15 16:47	JML	MS-V3	1	BYK2311

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-18 Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe

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

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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)	75.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	69.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	69.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	47.6	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	63.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	48.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 23:32	VH1	MS-B2	0.967	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	74.9	%	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	11/24/15	11/25/15 02:59	MWB	GC-2	0.990	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-18	Client Sample Name: XB5-d14.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	200	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	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.0	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.9	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.13	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	18	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	23	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	22	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	11/25/15	11/25/15 12:51	ARD	PE-OP3	0.990	BYK2398
2	EPA-7471A	11/24/15	11/25/15 07:06	ALW	CETAC1	0.962	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-19 **Client Sample Name:** XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe

Constituent	Result	Units	PQL	MDL	Method	TTLT 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-19		Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.1	%	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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-19	Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/24/15	11/25/15 17:11	JML	MS-V3	1	BYK2311

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-19	Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-19	Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-19	Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, 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)	78.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	78.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-19	Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	82.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	70.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	67.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	67.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/25/15 23:57	VH1	MS-B2	0.947	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-19	Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	86.5	%	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	11/24/15	11/25/15 03:21	MWB	GC-2	1.010	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-19		Client Sample Name: XB6-d14.5 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.4	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	210	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.29	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.1	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	17	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.11	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	23	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	23	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	11/25/15	11/25/15 12:53	ARD	PE-OP3	0.980	BYK2398
2	EPA-7471A	11/24/15	11/25/15 07:08	ALW	CETAC1	0.992	BYK2322

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-20		Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/24/15	11/25/15 17:34	JML	MS-V3	1	BYK2311

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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)	67.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	61.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	71.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	53.5	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	51.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	52.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	11/24/15	11/26/15 00:22	VH1	MS-B2	1.003	BYK2536

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	70.5	%	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	11/24/15	11/25/15 03:44	MWB	GC-2	1.010	BYK2307

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1530059-20	Client Sample Name: XB7-d12.0 Excavation Bottom, 11/23/2015 12:00:00AM, 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	2.1	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	240	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	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	13	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	6.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.4	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	14	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.11	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	22	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	11/25/15	11/25/15 12:54	ARD	PE-OP3	0.952	BYK2398
2	EPA-7471A	11/24/15	11/25/15 07:11	ALW	CETAC1	0.977	BYK2322

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

Reported: 12/01/2015 10:14
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: BYK2292						
Benzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYK2292-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYK2292-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYK2292-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYK2292-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: 12/01/2015 10:14
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: BYK2292

trans-1,3-Dichloropropene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYK2292-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYK2292-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2-Tetrachloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYK2292-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYK2292-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYK2292-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYK2292-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BYK2292-BLK1	100	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYK2292-BLK1	99.5	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYK2292-BLK1	106	%	74 - 121 (LCL - UCL)		

QC Batch ID: BYK2311

Benzene	BYK2311-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: 12/01/2015 10:14
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: BYK2311						
Bromobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYK2311-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYK2311-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYK2311-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BYK2311-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: 12/01/2015 10:14
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: BYK2311						
Ethylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYK2311-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYK2311-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYK2311-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYK2311-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYK2311-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYK2311-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BYK2311-BLK1	102	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYK2311-BLK1	105	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYK2311-BLK1	103	%	74 - 121 (LCL - UCL)		

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

Reported: 12/01/2015 10:14
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: BYK2292										
Benzene	BYK2292-BS1	LCS	0.11955	0.12500	mg/kg	95.6		70 - 130		
Bromodichloromethane	BYK2292-BS1	LCS	0.12210	0.12500	mg/kg	97.7		70 - 130		
Chlorobenzene	BYK2292-BS1	LCS	0.12390	0.12500	mg/kg	99.1		70 - 130		
Chloroethane	BYK2292-BS1	LCS	0.11374	0.12500	mg/kg	91.0		70 - 130		
1,4-Dichlorobenzene	BYK2292-BS1	LCS	0.12022	0.12500	mg/kg	96.2		70 - 130		
1,1-Dichloroethane	BYK2292-BS1	LCS	0.11910	0.12500	mg/kg	95.3		70 - 130		
1,1-Dichloroethene	BYK2292-BS1	LCS	0.11587	0.12500	mg/kg	92.7		70 - 130		
Toluene	BYK2292-BS1	LCS	0.12542	0.12500	mg/kg	100		70 - 130		
Trichloroethene	BYK2292-BS1	LCS	0.12296	0.12500	mg/kg	98.4		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYK2292-BS1	LCS	0.052270	0.050000	mg/kg	105		70 - 121		
Toluene-d8 (Surrogate)	BYK2292-BS1	LCS	0.049330	0.050000	mg/kg	98.7		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYK2292-BS1	LCS	0.051610	0.050000	mg/kg	103		74 - 121		
QC Batch ID: BYK2311										
Benzene	BYK2311-BS1	LCS	0.13228	0.12500	mg/kg	106		70 - 130		
Bromodichloromethane	BYK2311-BS1	LCS	0.12602	0.12500	mg/kg	101		70 - 130		
Chlorobenzene	BYK2311-BS1	LCS	0.12394	0.12500	mg/kg	99.2		70 - 130		
Chloroethane	BYK2311-BS1	LCS	0.12479	0.12500	mg/kg	99.8		70 - 130		
1,4-Dichlorobenzene	BYK2311-BS1	LCS	0.12335	0.12500	mg/kg	98.7		70 - 130		
1,1-Dichloroethane	BYK2311-BS1	LCS	0.13281	0.12500	mg/kg	106		70 - 130		
1,1-Dichloroethene	BYK2311-BS1	LCS	0.12654	0.12500	mg/kg	101		70 - 130		
Toluene	BYK2311-BS1	LCS	0.12819	0.12500	mg/kg	103		70 - 130		
Trichloroethene	BYK2311-BS1	LCS	0.12411	0.12500	mg/kg	99.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYK2311-BS1	LCS	0.054880	0.050000	mg/kg	110		70 - 121		
Toluene-d8 (Surrogate)	BYK2311-BS1	LCS	0.050380	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYK2311-BS1	LCS	0.052520	0.050000	mg/kg	105		74 - 121		

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

Reported: 12/01/2015 10:14
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: BYK2292		Used client sample: N								
Benzene	MS	1528561-21	ND	0.12410	0.12500	mg/kg		99.3		70 - 130
	MSD	1528561-21	ND	0.12095	0.12500	mg/kg	2.6	96.8	20	70 - 130
Bromodichloromethane	MS	1528561-21	ND	0.12611	0.12500	mg/kg		101		70 - 130
	MSD	1528561-21	ND	0.12364	0.12500	mg/kg	2.0	98.9	20	70 - 130
Chlorobenzene	MS	1528561-21	ND	0.11996	0.12500	mg/kg		96.0		70 - 130
	MSD	1528561-21	ND	0.11808	0.12500	mg/kg	1.6	94.5	20	70 - 130
Chloroethane	MS	1528561-21	ND	0.11982	0.12500	mg/kg		95.9		70 - 130
	MSD	1528561-21	ND	0.11090	0.12500	mg/kg	7.7	88.7	20	70 - 130
1,4-Dichlorobenzene	MS	1528561-21	ND	0.11706	0.12500	mg/kg		93.6		70 - 130
	MSD	1528561-21	ND	0.11581	0.12500	mg/kg	1.1	92.6	20	70 - 130
1,1-Dichloroethane	MS	1528561-21	ND	0.12815	0.12500	mg/kg		103		70 - 130
	MSD	1528561-21	ND	0.12413	0.12500	mg/kg	3.2	99.3	20	70 - 130
1,1-Dichloroethene	MS	1528561-21	ND	0.12373	0.12500	mg/kg		99.0		70 - 130
	MSD	1528561-21	ND	0.11774	0.12500	mg/kg	5.0	94.2	20	70 - 130
Toluene	MS	1528561-21	ND	0.12413	0.12500	mg/kg		99.3		70 - 130
	MSD	1528561-21	ND	0.12010	0.12500	mg/kg	3.3	96.1	20	70 - 130
Trichloroethene	MS	1528561-21	ND	0.12241	0.12500	mg/kg		97.9		70 - 130
	MSD	1528561-21	ND	0.12091	0.12500	mg/kg	1.2	96.7	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1528561-21	ND	0.052850	0.050000	mg/kg		106		70 - 121
	MSD	1528561-21	ND	0.051690	0.050000	mg/kg	2.2	103		70 - 121
Toluene-d8 (Surrogate)	MS	1528561-21	ND	0.050490	0.050000	mg/kg		101		81 - 117
	MSD	1528561-21	ND	0.051340	0.050000	mg/kg	1.7	103		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1528561-21	ND	0.052720	0.050000	mg/kg		105		74 - 121
	MSD	1528561-21	ND	0.051750	0.050000	mg/kg	1.9	104		74 - 121
QC Batch ID: BYK2311		Used client sample: N								
Benzene	MS	1528561-43	ND	0.12316	0.12500	mg/kg		98.5		70 - 130
	MSD	1528561-43	ND	0.13182	0.12500	mg/kg	6.8	105	20	70 - 130
Bromodichloromethane	MS	1528561-43	ND	0.12624	0.12500	mg/kg		101		70 - 130
	MSD	1528561-43	ND	0.12538	0.12500	mg/kg	0.7	100	20	70 - 130
Chlorobenzene	MS	1528561-43	ND	0.11339	0.12500	mg/kg		90.7		70 - 130
	MSD	1528561-43	ND	0.11242	0.12500	mg/kg	0.9	89.9	20	70 - 130
Chloroethane	MS	1528561-43	ND	0.10947	0.12500	mg/kg		87.6		70 - 130
	MSD	1528561-43	ND	0.12275	0.12500	mg/kg	11.4	98.2	20	70 - 130
1,4-Dichlorobenzene	MS	1528561-43	ND	0.11257	0.12500	mg/kg		90.1		70 - 130
	MSD	1528561-43	ND	0.10946	0.12500	mg/kg	2.8	87.6	20	70 - 130
1,1-Dichloroethane	MS	1528561-43	ND	0.12643	0.12500	mg/kg		101		70 - 130
	MSD	1528561-43	ND	0.13224	0.12500	mg/kg	4.5	106	20	70 - 130

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

Reported: 12/01/2015 10:14
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	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
QC Batch ID: BYK2311		Used client sample: N									
1,1-Dichloroethene	MS	1528561-43	ND	0.12114	0.12500	mg/kg		96.9		70 - 130	
	MSD	1528561-43	ND	0.12323	0.12500	mg/kg	1.7	98.6	20	70 - 130	
Toluene	MS	1528561-43	ND	0.12223	0.12500	mg/kg		97.8		70 - 130	
	MSD	1528561-43	ND	0.12577	0.12500	mg/kg	2.9	101	20	70 - 130	
Trichloroethene	MS	1528561-43	ND	0.12197	0.12500	mg/kg		97.6		70 - 130	
	MSD	1528561-43	ND	0.12028	0.12500	mg/kg	1.4	96.2	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1528561-43	ND	0.051540	0.050000	mg/kg		103		70 - 121	
	MSD	1528561-43	ND	0.053210	0.050000	mg/kg	3.2	106		70 - 121	
Toluene-d8 (Surrogate)	MS	1528561-43	ND	0.051350	0.050000	mg/kg		103		81 - 117	
	MSD	1528561-43	ND	0.052450	0.050000	mg/kg	2.1	105		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1528561-43	ND	0.051830	0.050000	mg/kg		104		74 - 121	
	MSD	1528561-43	ND	0.051180	0.050000	mg/kg	1.3	102		74 - 121	

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

Reported: 12/01/2015 10:14
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: BYK2536						
Acenaphthene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BYK2536-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BYK2536-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BYK2536-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BYK2536-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BYK2536-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BYK2536-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BYK2536-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BYK2536-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BYK2536-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BYK2536-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BYK2536-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BYK2536-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BYK2536-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BYK2536-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BYK2536-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BYK2536-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BYK2536-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BYK2536-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: 12/01/2015 10:14
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: BYK2536						
1,4-Dichlorobenzene	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BYK2536-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BYK2536-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BYK2536-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BYK2536-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BYK2536-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BYK2536-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BYK2536-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BYK2536-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BYK2536-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BYK2536-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BYK2536-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BYK2536-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BYK2536-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BYK2536-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BYK2536-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BYK2536-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BYK2536-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BYK2536-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BYK2536-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BYK2536-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: 12/01/2015 10:14
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: BYK2536						
N-Nitrosodiphenylamine	BYK2536-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BYK2536-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BYK2536-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BYK2536-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BYK2536-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BYK2536-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BYK2536-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BYK2536-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BYK2536-BLK1	ND	mg/kg	0.20	0.033	
Total Methylphenol	BYK2536-BLK1	ND	mg/kg	0.20	0.047	
2-Nitrophenol	BYK2536-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BYK2536-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BYK2536-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BYK2536-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BYK2536-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BYK2536-BLK1	ND	mg/kg	0.20	0.017	
PCB-1242	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1016	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1232	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1248	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1254	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1260	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1262	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1268	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
PCB-1221	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
Total PCB's (Summation)	BYK2536-BLK1	ND	mg/kg	2.0	1.0	
2-Fluorophenol (Surrogate)	BYK2536-BLK1	98.0	%	20 - 130 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYK2536-BLK1	91.6	%	30 - 130 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BYK2536-BLK1	95.3	%	30 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYK2536-BLK1	90.8	%	30 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYK2536-BLK1	74.7	%	20 - 150 (LCL - UCL)		

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

Reported: 12/01/2015 10:14
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: BYK2536						
p-Terphenyl-d14 (Surrogate)	BYK2536-BLK1	79.7	%	30 - 150 (LCL - UCL)		

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
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: BYK2536										
Acenaphthene	BYK2536-BS1	LCS	1.4695	1.6722	mg/kg	87.9		50 - 130		
1,4-Dichlorobenzene	BYK2536-BS1	LCS	1.5716	1.6722	mg/kg	94.0		50 - 130		
2,4-Dinitrotoluene	BYK2536-BS1	LCS	1.5100	1.6722	mg/kg	90.3		50 - 130		
Hexachlorobenzene	BYK2536-BS1	LCS	1.5052	1.6722	mg/kg	90.0		40 - 130		
Hexachlorobutadiene	BYK2536-BS1	LCS	1.3777	1.6722	mg/kg	82.4		50 - 130		
Hexachloroethane	BYK2536-BS1	LCS	1.4885	1.6722	mg/kg	89.0		50 - 130		
Nitrobenzene	BYK2536-BS1	LCS	1.6378	1.6722	mg/kg	97.9		50 - 130		
N-Nitrosodi-N-propylamine	BYK2536-BS1	LCS	1.3148	1.6722	mg/kg	78.6		40 - 120		
Pyrene	BYK2536-BS1	LCS	1.5460	1.6722	mg/kg	92.4		40 - 150		
1,2,4-Trichlorobenzene	BYK2536-BS1	LCS	1.4336	1.6722	mg/kg	85.7		50 - 120		
4-Chloro-3-methylphenol	BYK2536-BS1	LCS	1.5309	1.6722	mg/kg	91.5		50 - 130		
2-Chlorophenol	BYK2536-BS1	LCS	1.6599	1.6722	mg/kg	99.3		50 - 130		
2-Methylphenol	BYK2536-BS1	LCS	1.4593	1.6722	mg/kg	87.3		50 - 130		
3- & 4-Methylphenol	BYK2536-BS1	LCS	2.9644	3.3445	mg/kg	88.6		50 - 130		
4-Nitrophenol	BYK2536-BS1	LCS	1.4291	1.6722	mg/kg	85.5		30 - 130		
Pentachlorophenol	BYK2536-BS1	LCS	1.2663	1.6722	mg/kg	75.7		20 - 130		
Phenol	BYK2536-BS1	LCS	1.5469	1.6722	mg/kg	92.5		40 - 120		
2,4,6-Trichlorophenol	BYK2536-BS1	LCS	1.3222	1.6722	mg/kg	79.1		50 - 130		
2-Fluorophenol (Surrogate)	BYK2536-BS1	LCS	1.6583	1.6722	mg/kg	99.2		20 - 130		
Phenol-d5 (Surrogate)	BYK2536-BS1	LCS	1.5508	1.6722	mg/kg	92.7		30 - 130		
Nitrobenzene-d5 (Surrogate)	BYK2536-BS1	LCS	1.5399	1.6722	mg/kg	92.1		30 - 130		
2-Fluorobiphenyl (Surrogate)	BYK2536-BS1	LCS	1.5443	1.6722	mg/kg	92.4		30 - 140		
2,4,6-Tribromophenol (Surrogate)	BYK2536-BS1	LCS	1.3906	1.6722	mg/kg	83.2		20 - 150		
p-Terphenyl-d14 (Surrogate)	BYK2536-BS1	LCS	0.67778	0.83612	mg/kg	81.1		30 - 150		

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

Reported: 12/01/2015 10:14
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: BYK2536		Used client sample: N								
Acenaphthene	MS	1524843-18	ND	1.4818	1.6779	mg/kg		88.3	30 - 140	
	MSD	1524843-18	ND	1.6559	1.6502	mg/kg	11.1	100	30	30 - 140
1,4-Dichlorobenzene	MS	1524843-18	ND	1.5677	1.6779	mg/kg		93.4	50 - 130	
	MSD	1524843-18	ND	1.6314	1.6502	mg/kg	4.0	98.9	30	50 - 130
2,4-Dinitrotoluene	MS	1524843-18	ND	1.3983	1.6779	mg/kg		83.3	50 - 130	
	MSD	1524843-18	ND	1.5778	1.6502	mg/kg	12.1	95.6	30	50 - 130
Hexachlorobenzene	MS	1524843-18	ND	1.5608	1.6779	mg/kg		93.0	50 - 130	
	MSD	1524843-18	ND	1.7327	1.6502	mg/kg	10.4	105	30	50 - 130
Hexachlorobutadiene	MS	1524843-18	ND	1.4588	1.6779	mg/kg		86.9	50 - 130	
	MSD	1524843-18	ND	1.4922	1.6502	mg/kg	2.3	90.4	30	50 - 130
Hexachloroethane	MS	1524843-18	ND	1.5246	1.6779	mg/kg		90.9	50 - 130	
	MSD	1524843-18	ND	1.6069	1.6502	mg/kg	5.3	97.4	30	50 - 130
Nitrobenzene	MS	1524843-18	ND	1.6765	1.6779	mg/kg		99.9	30 - 120	
	MSD	1524843-18	ND	1.7640	1.6502	mg/kg	5.1	107	30	30 - 120
N-Nitrosodi-N-propylamine	MS	1524843-18	ND	1.3628	1.6779	mg/kg		81.2	20 - 130	
	MSD	1524843-18	ND	1.4687	1.6502	mg/kg	7.5	89.0	30	20 - 130
Pyrene	MS	1524843-18	ND	1.6801	1.6779	mg/kg		100	40 - 140	
	MSD	1524843-18	ND	1.8924	1.6502	mg/kg	11.9	115	30	40 - 140
1,2,4-Trichlorobenzene	MS	1524843-18	ND	1.4726	1.6779	mg/kg		87.8	50 - 130	
	MSD	1524843-18	ND	1.5497	1.6502	mg/kg	5.1	93.9	30	50 - 130
4-Chloro-3-methylphenol	MS	1524843-18	ND	1.6354	1.6779	mg/kg		97.5	50 - 130	
	MSD	1524843-18	ND	1.5641	1.6502	mg/kg	4.5	94.8	30	50 - 130
2-Chlorophenol	MS	1524843-18	ND	1.6239	1.6779	mg/kg		96.8	50 - 130	
	MSD	1524843-18	ND	1.7206	1.6502	mg/kg	5.8	104	30	50 - 130
2-Methylphenol	MS	1524843-18	ND	1.5338	1.6779	mg/kg		91.4	50 - 130	
	MSD	1524843-18	ND	1.6219	1.6502	mg/kg	5.6	98.3	30	50 - 130
3- & 4-Methylphenol	MS	1524843-18	ND	3.0176	3.3557	mg/kg		89.9	50 - 130	
	MSD	1524843-18	ND	3.2265	3.3003	mg/kg	6.7	97.8	30	50 - 130
4-Nitrophenol	MS	1524843-18	ND	1.2681	1.6779	mg/kg		75.6	30 - 140	
	MSD	1524843-18	ND	1.1756	1.6502	mg/kg	7.6	71.2	30	30 - 140
Pentachlorophenol	MS	1524843-18	ND	1.1717	1.6779	mg/kg		69.8	30 - 130	
	MSD	1524843-18	ND	1.0838	1.6502	mg/kg	7.8	65.7	30	30 - 130
Phenol	MS	1524843-18	ND	1.5091	1.6779	mg/kg		89.9	40 - 150	
	MSD	1524843-18	ND	1.6229	1.6502	mg/kg	7.3	98.3	30	40 - 150
2,4,6-Trichlorophenol	MS	1524843-18	ND	1.4042	1.6779	mg/kg		83.7	50 - 130	
	MSD	1524843-18	ND	1.4353	1.6502	mg/kg	2.2	87.0	30	50 - 130

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

Reported: 12/01/2015 10:14
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: BYK2536		Used client sample: N								
2-Fluorophenol (Surrogate)	MS	1524843-18	ND	1.6344	1.6779	mg/kg		97.4	20 - 130	
	MSD	1524843-18	ND	1.6448	1.6502	mg/kg	0.6	99.7	20 - 130	
Phenol-d5 (Surrogate)	MS	1524843-18	ND	1.4957	1.6779	mg/kg		89.1	30 - 130	
	MSD	1524843-18	ND	1.5428	1.6502	mg/kg	3.1	93.5	30 - 130	
Nitrobenzene-d5 (Surrogate)	MS	1524843-18	ND	1.4628	1.6779	mg/kg		87.2	30 - 130	
	MSD	1524843-18	ND	1.5984	1.6502	mg/kg	8.9	96.9	30 - 130	
2-Fluorobiphenyl (Surrogate)	MS	1524843-18	ND	1.5032	1.6779	mg/kg		89.6	30 - 140	
	MSD	1524843-18	ND	1.6742	1.6502	mg/kg	10.8	101	30 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1524843-18	ND	1.3062	1.6779	mg/kg		77.8	20 - 150	
	MSD	1524843-18	ND	1.3618	1.6502	mg/kg	4.2	82.5	20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1524843-18	ND	0.71593	0.83893	mg/kg		85.3	30 - 150	
	MSD	1524843-18	ND	0.73580	0.82508	mg/kg	2.7	89.2	30 - 150	

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

Reported: 12/01/2015 10:14
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: BYK2307						
TPH - Gasoline	BYK2307-BLK1	ND	mg/kg	20	5.0	
TPH - Diesel (FFP)	BYK2307-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil	BYK2307-BLK1	ND	mg/kg	20	6.5	
Tetracosane (Surrogate)	BYK2307-BLK1	84.3	%	20 - 145 (LCL - UCL)		

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

Reported: 12/01/2015 10:14
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: BYK2307										
TPH - Diesel (FFP)	BYK2307-BS1	LCS	70.771	83.056	mg/kg	85.2		64	124	
Tetracosane (Surrogate)	BYK2307-BS1	LCS	2.6736	3.3223	mg/kg	80.5		20	145	

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
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: BYK2307		Used client sample: N								
TPH - Diesel (FFP)	MS	1323260-83	ND	69.672	82.237	mg/kg		84.7		52 - 131
	MSD	1323260-83	ND	74.633	83.333	mg/kg	6.9	89.6	30	52 - 131
Tetracosane (Surrogate)	MS	1323260-83	ND	2.7030	3.2895	mg/kg		82.2		20 - 145
	MSD	1323260-83	ND	2.8000	3.3333	mg/kg	3.5	84.0		20 - 145

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
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: BYK2322						
Mercury	BYK2322-BLK1	ND	mg/kg	0.16	0.036	
QC Batch ID: BYK2398						
Antimony	BYK2398-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BYK2398-BLK1	ND	mg/kg	1.0	0.40	
Barium	BYK2398-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BYK2398-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BYK2398-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BYK2398-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BYK2398-BLK1	ND	mg/kg	2.5	0.098	
Copper	BYK2398-BLK1	ND	mg/kg	1.0	0.050	
Lead	BYK2398-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BYK2398-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BYK2398-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BYK2398-BLK1	ND	mg/kg	1.0	0.98	
Silver	BYK2398-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BYK2398-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BYK2398-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BYK2398-BLK1	0.32350	mg/kg	2.5	0.087	J

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/01/2015 10:14
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: BYK2322										
Mercury	BYK2322-BS1	LCS	0.81824	0.80000	mg/kg	102		80 - 120		
QC Batch ID: BYK2398										
Antimony	BYK2398-BS1	LCS	95.317	100.00	mg/kg	95.3		75 - 125		
Arsenic	BYK2398-BS1	LCS	9.2366	10.000	mg/kg	92.4		75 - 125		
Barium	BYK2398-BS1	LCS	99.333	100.00	mg/kg	99.3		75 - 125		
Beryllium	BYK2398-BS1	LCS	8.6548	10.000	mg/kg	86.5		75 - 125		
Cadmium	BYK2398-BS1	LCS	9.2307	10.000	mg/kg	92.3		75 - 125		
Chromium	BYK2398-BS1	LCS	95.084	100.00	mg/kg	95.1		75 - 125		
Cobalt	BYK2398-BS1	LCS	94.805	100.00	mg/kg	94.8		75 - 125		
Copper	BYK2398-BS1	LCS	94.941	100.00	mg/kg	94.9		75 - 125		
Lead	BYK2398-BS1	LCS	95.164	100.00	mg/kg	95.2		75 - 125		
Molybdenum	BYK2398-BS1	LCS	93.869	100.00	mg/kg	93.9		75 - 125		
Nickel	BYK2398-BS1	LCS	99.867	100.00	mg/kg	99.9		75 - 125		
Selenium	BYK2398-BS1	LCS	9.1955	10.000	mg/kg	92.0		75 - 125		
Silver	BYK2398-BS1	LCS	8.9105	10.000	mg/kg	89.1		75 - 125		
Thallium	BYK2398-BS1	LCS	105.60	100.00	mg/kg	106		75 - 125		
Vanadium	BYK2398-BS1	LCS	99.026	100.00	mg/kg	99.0		75 - 125		
Zinc	BYK2398-BS1	LCS	92.698	100.00	mg/kg	92.7		75 - 125		

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

Reported: 12/01/2015 10:14
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 Quals
								Percent Recovery	Percent Recovery	
QC Batch ID: BYK2322		Used client sample: Y - Description: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 00:00								
Mercury	DUP	1530059-03	ND	ND		mg/kg			20	
	MS	1530059-03	ND	0.77969	0.76923	mg/kg		101		80 - 120
	MSD	1530059-03	ND	0.77431	0.76923	mg/kg	0.7	101	20	80 - 120
QC Batch ID: BYK2398		Used client sample: Y - Description: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 00:00								
Antimony	DUP	1530059-03	ND	ND		mg/kg			20	
	MS	1530059-03	ND	37.313	100.00	mg/kg		37.3		16 - 119
	MSD	1530059-03	ND	36.932	100.00	mg/kg	1.0	36.9	20	16 - 119
Arsenic	DUP	1530059-03	3.5343	3.6075		mg/kg		2.1		20
	MS	1530059-03	3.5343	10.837	10.000	mg/kg		73.0		75 - 125 Q03
	MSD	1530059-03	3.5343	11.578	10.000	mg/kg	6.6	80.4	20	75 - 125
Barium	DUP	1530059-03	313.46	327.21		mg/kg	4.3		20	
	MS	1530059-03	313.46	437.59	100.00	mg/kg		124		75 - 125
	MSD	1530059-03	313.46	400.50	100.00	mg/kg	8.9	87.0	20	75 - 125
Beryllium	DUP	1530059-03	0.39029	0.39576		mg/kg	1.4		20	J
	MS	1530059-03	0.39029	8.1905	10.000	mg/kg		78.0		75 - 125
	MSD	1530059-03	0.39029	8.2404	10.000	mg/kg	0.6	78.5	20	75 - 125
Cadmium	DUP	1530059-03	ND	ND		mg/kg			20	
	MS	1530059-03	ND	8.1983	10.000	mg/kg		82.0		75 - 125
	MSD	1530059-03	ND	8.2651	10.000	mg/kg	0.8	82.7	20	75 - 125
Chromium	DUP	1530059-03	21.350	20.220		mg/kg	5.4		20	
	MS	1530059-03	21.350	104.64	100.00	mg/kg		83.3		75 - 125
	MSD	1530059-03	21.350	104.96	100.00	mg/kg	0.3	83.6	20	75 - 125
Cobalt	DUP	1530059-03	7.1950	7.3758		mg/kg	2.5		20	
	MS	1530059-03	7.1950	85.924	100.00	mg/kg		78.7		75 - 125
	MSD	1530059-03	7.1950	85.702	100.00	mg/kg	0.3	78.5	20	75 - 125
Copper	DUP	1530059-03	10.253	10.440		mg/kg	1.8		20	
	MS	1530059-03	10.253	95.315	100.00	mg/kg		85.1		75 - 125
	MSD	1530059-03	10.253	96.266	100.00	mg/kg	1.0	86.0	20	75 - 125
Lead	DUP	1530059-03	6.0429	6.4241		mg/kg	6.1		20	
	MS	1530059-03	6.0429	89.725	100.00	mg/kg		83.7		75 - 125
	MSD	1530059-03	6.0429	90.444	100.00	mg/kg	0.8	84.4	20	75 - 125
Molybdenum	DUP	1530059-03	ND	ND		mg/kg			20	
	MS	1530059-03	ND	74.074	100.00	mg/kg		74.1		75 - 125 Q03
	MSD	1530059-03	ND	74.567	100.00	mg/kg	0.7	74.6	20	75 - 125 Q03
Nickel	DUP	1530059-03	21.922	22.499		mg/kg	2.6		20	
	MS	1530059-03	21.922	103.11	100.00	mg/kg		81.2		75 - 125
	MSD	1530059-03	21.922	103.32	100.00	mg/kg	0.2	81.4	20	75 - 125

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

Reported: 12/01/2015 10:14
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: BYK2398		Used client sample: Y - Description: SW28-d6.0 Excavation Sidewall Samples, 11/20/2015 00:00								
Selenium	DUP	1530059-03	ND	ND		mg/kg			20	
	MS	1530059-03	ND	8.7986	10.000	mg/kg		88.0		75 - 125
	MSD	1530059-03	ND	8.0284	10.000	mg/kg	9.2	80.3	20	75 - 125
Silver	DUP	1530059-03	0.074142	0.090563		mg/kg	19.9		20	J
	MS	1530059-03	0.074142	8.1781	10.000	mg/kg		81.0		75 - 125
	MSD	1530059-03	0.074142	8.3245	10.000	mg/kg	1.8	82.5	20	75 - 125
Thallium	DUP	1530059-03	ND	ND		mg/kg			20	
	MS	1530059-03	ND	84.369	100.00	mg/kg		84.4		75 - 125
	MSD	1530059-03	ND	85.238	100.00	mg/kg	1.0	85.2	20	75 - 125
Vanadium	DUP	1530059-03	32.487	33.268		mg/kg	2.4		20	
	MS	1530059-03	32.487	123.64	100.00	mg/kg		91.1		75 - 125
	MSD	1530059-03	32.487	123.61	100.00	mg/kg	0.0	91.1	20	75 - 125
Zinc	DUP	1530059-03	31.726	32.501		mg/kg	2.4		20	
	MS	1530059-03	31.726	110.52	100.00	mg/kg		78.8		75 - 125
	MSD	1530059-03	31.726	111.02	100.00	mg/kg	0.5	79.3	20	75 - 125

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

Reported: 12/01/2015 10:14
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Notes And Definitions

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A17 Surrogate not reportable due to sample dilution.
- 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.



Date of Report: 12/16/2015

Jennifer Brady

E & B Natural Resources Management Corp.

1600 Norris Road

Bakersfield, CA 93308

Client Project: GIG Excavation

BCL Project: GIG

BCL Work Order: 1531061

Invoice ID: B221664

Enclosed are the results of analyses for samples received by the laboratory on 12/7/2015. 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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Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	4
Laboratory / Client Sample Cross Reference.....	6

Sample Results

1531061-01 - SW42-d6.5	
Volatile Organic Analysis (EPA Method 8260B).....	7
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	10
Total Petroleum Hydrocarbons.....	14
Total Concentrations (TTLC).....	15
1531061-02 - SW43-d12.0	
Volatile Organic Analysis (EPA Method 8260B).....	16
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	19
Total Petroleum Hydrocarbons.....	23
Total Concentrations (TTLC).....	24
1531061-03 - SW44-d16.0	
Volatile Organic Analysis (EPA Method 8260B).....	25
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	28
Total Petroleum Hydrocarbons.....	32
Total Concentrations (TTLC).....	33
1531061-04 - SW45-d12.0	
Volatile Organic Analysis (EPA Method 8260B).....	34
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	37
Total Petroleum Hydrocarbons.....	41
Total Concentrations (TTLC).....	42
1531061-05 - SW46-d4.0	
Volatile Organic Analysis (EPA Method 8260B).....	43
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	46
Total Petroleum Hydrocarbons.....	50
Total Concentrations (TTLC).....	51
1531061-06 - SW47-d11.0	
Volatile Organic Analysis (EPA Method 8260B).....	52
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	55
Total Petroleum Hydrocarbons.....	59
Total Concentrations (TTLC).....	60
1531061-07 - SW48-d7.0	
Volatile Organic Analysis (EPA Method 8260B).....	61
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	64
Total Petroleum Hydrocarbons.....	68
Total Concentrations (TTLC).....	69

Quality Control Reports

Volatile Organic Analysis (EPA Method 8260B)	
Method Blank Analysis.....	70
Laboratory Control Sample.....	72
Precision and Accuracy.....	73
Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)	
Method Blank Analysis.....	74
Laboratory Control Sample.....	78
Precision and Accuracy.....	79
Total Petroleum Hydrocarbons	
Method Blank Analysis.....	81
Laboratory Control Sample.....	82
Precision and Accuracy.....	83
Total Concentrations (TTLC)	
Method Blank Analysis.....	84

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Table of Contents

Laboratory Control Sample.....	85
Precision and Accuracy.....	86
Notes	
Notes and Definitions.....	88

RUSH!

Chain of Custody Form



Laboratories, Inc.

Report To: **EGB Nature/Resource** Project #: **15-31061**

Client: **EGB Nature/Resource** Project Name: **GIG Evaluation**

Attn: **Jeanette Brady** Sampler(s): **Jeff Monroe**

Street Address: **4400 N. Hwy 99** City, State, Zip: **Bakersfield, CA**

Phone: **805-61446** Fax: **805-61446**

Email Address: **jbrady@ebsresources.com** Work Order #: **15-31061**

Sample #	Description	Date Sampled	Time Sampled
SW42-d6.5	-1	12/5/15	16:40
SW43-d12.0	-2		16:41
SW44-d16.0	-3		16:49
SW45-d12.0	-4		16:51
SW46-d11.0	-5		16:52
SW47-d11.0	-6		16:56
SW48-d7.0	-7		16:59

Analysis Requested: **CHM17 metals**
SP20 include PCBs
SP60 include PCBs
SP15 TPH & MNO

Comments: **e-mail results BWP to jmonroe@mcbookeconsulting.com**

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

* Standard Turnaround = 10 work days

Turnaround # of work days: **24 hr. TAT for 8015 TPH**

Notes: **11/2-12/7/15**

CHK BY: **DISTRIBUTION**

Global ID (Needed for EDF): **71000007269**

EDF Required? Geotracker: Yes No

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

1. Relinquished By: **[Signature]** Date: **12/7/15** Time: **8:08**

2. Relinquished By: **[Signature]** Date: **12/7/15** Time: **8:08**

3. Relinquished By: **[Signature]** Date: **12/7/15** Time: **8:08**

Client: **EGB**

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 1

Submission #: 15-31061

SHIPPING INFORMATION: Fed Ex, UPS, Ontrac, Hand Delivery, BC Lab Field Service, Other. SHIPPING CONTAINER: Ice Chest, None, Box, Other. FREE LIQUID: YES, NO.

Refrigerant: Ice, Blue Ice, None, Other. Comments:

Custody Seals: Ice Chest, Containers, None. Intact? Yes, No. Comments:

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

COC Received: YES, NO. Emissivity: 0.95. Container: Glass. Thermometer ID: 208. Date/Time: 12-7-15. Analyst Init: [Signature]

Table with columns: SAMPLE CONTAINERS, SAMPLE NUMBERS (1-10). Rows include: QT PE UNPRES, 4oz / 8oz / 16oz PE UNPRES, 2oz Cr6, 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, PLA 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 (X14), PCB VIAL, PLASTIC BAG, TEDLAR BAG, FERROUS IRON, ENCORE, SMART KIT, SUMMA CANISTER.

Comments: Sample Numbering Completed By: [Signature] Date/Time: 12-7-15 10:15. Rev 20 07/24/2015



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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1531061-01	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:40
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW42-d6.5	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil
1531061-02	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:41
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW43-d12.0	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil
1531061-03	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:49
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW44-d16.0	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil
1531061-04	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:51
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW45-d12.0	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil
1531061-05	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:52
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW46-d4.0	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil
1531061-06	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:56
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW47-d11.0	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil
1531061-07	COC Number:	---	Receive Date:	12/07/2015 08:08
	Project Number:	---	Sampling Date:	12/05/2015 16:59
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SW48-d7.0	Lab Matrix:	Solids
	Sampled By:	Jeff Monroe	Sample Type:	Soil

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-01 **Client Sample Name:** SW42-d6.5, 12/5/2015 4:40:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-01		Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, 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)	88.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-01 **Client Sample Name:** SW42-d6.5, 12/5/2015 4:40:00PM, Jeff Monroe

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	12/07/15	12/07/15 17:01	ADC	MS-V2	1	BYL0164

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1531061-01	Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, Jeff Monroe
----------------------------------	--

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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1531061-01	Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1531061-01	Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, 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)	83.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	83.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1531061-01	Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	81.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	79.3	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	84.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	73.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	12/07/15	12/07/15 15:19	VH1	MS-B1	1.014	BYL0708

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-01	Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	69.3	%	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	12/07/15	12/07/15 16:56	MWB	GC-13	0.990	BYL0631

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-01	Client Sample Name: SW42-d6.5, 12/5/2015 4:40:00PM, 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	4.1	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	240	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	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.9	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.4	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.053	mg/kg	0.16	0.036	EPA-7471A	20	J	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.7	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.093	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	25	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	12/09/15	12/09/15	13:03	JCC	PE-OP3	0.962	BYL0826
2	EPA-7471A	12/08/15	12/09/15	12:39	MEV	CETAC1	0.992	BYL0756

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-02 **Client Sample Name:** SW43-d12.0, 12/5/2015 4:41:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-02		Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, 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)	83.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-02	Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	12/07/15	12/08/15	13:48	ADC	MS-V2	1	BYL0164

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

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

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

BCL Sample ID: 1531061-02		Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-02 **Client Sample Name:** SW43-d12.0, 12/5/2015 4:41:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-02		Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, 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)	62.0	%	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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-02	Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	62.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	68.2	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	61.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	56.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	12/07/15	12/07/15 15:45	VH1	MS-B1	9.836	BYL0708

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-02	Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	200	mg/kg	100	12	EPA-8015B/FFP	ND	A01,A52	1
TPH - Motor Oil	1000	mg/kg	200	65	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	61.4	%	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	12/07/15	12/07/15 15:04	MWB	GC-13	10.101	BYL0631

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-02	Client Sample Name: SW43-d12.0, 12/5/2015 4:41:00PM, 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	1.0	0.40	EPA-6010B	500		1
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	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	14	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.0	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	6.7	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	3.8	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	13	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.10	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	24	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	20	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	12/09/15	12/09/15	12:37	JCC	PE-OP3	1	BYL0826
2	EPA-7471A	12/08/15	12/09/15	12:52	MEV	CETAC1	0.977	BYL0756

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-03 **Client Sample Name:** SW44-d16.0, 12/5/2015 4:49:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-03	Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, 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)	97.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-03 **Client Sample Name:** SW44-d16.0, 12/5/2015 4:49:00PM, Jeff Monroe

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	12/07/15	12/07/15	18:55	ADC	MS-V2	1	BYL0164

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-03	Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-03	Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-03		Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, 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)	86.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	85.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-03	Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	84.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	89.1	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	87.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	84.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	12/07/15	12/07/15 16:10	VH1	MS-B1	0.960	BYL0708

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-03	Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	69.7	%	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	12/07/15	12/07/15 17:19	MWB	GC-13	1	BYL0631

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-03	Client Sample Name: SW44-d16.0, 12/5/2015 4:49:00PM, 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	2.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	130	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.17	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	7.3	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	5.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	2.1	mg/kg	2.5	0.28	EPA-6010B	1000	J	1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	0.19	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	9.9	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.8	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	19	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	15	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	12/09/15	12/09/15	13:05	JCC	PE-OP3	0.917	BYL0826
2	EPA-7471A	12/08/15	12/09/15	12:54	MEV	CETAC1	0.962	BYL0756

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
Bromobenzene	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
Bromochloromethane	ND	mg/kg	0.050	0.0092	EPA-8260B		A01	1
Bromodichloromethane	ND	mg/kg	0.050	0.0084	EPA-8260B		A01	1
Bromoform	ND	mg/kg	0.050	0.015	EPA-8260B		A01	1
Bromomethane	ND	mg/kg	0.050	0.016	EPA-8260B		A01	1
n-Butylbenzene	0.60	mg/kg	0.050	0.015	EPA-8260B		A01	1
sec-Butylbenzene	1.6	mg/kg	0.050	0.012	EPA-8260B		A01	1
tert-Butylbenzene	ND	mg/kg	0.050	0.012	EPA-8260B		A01	1
Carbon tetrachloride	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
Chlorobenzene	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
Chloroethane	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
Chloroform	ND	mg/kg	0.050	0.0063	EPA-8260B		A01	1
Chloromethane	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
2-Chlorotoluene	ND	mg/kg	0.050	0.018	EPA-8260B		A01	1
4-Chlorotoluene	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
Dibromochloromethane	ND	mg/kg	0.050	0.0099	EPA-8260B		A01	1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.050	0.017	EPA-8260B		A01	1
1,2-Dibromoethane	ND	mg/kg	0.050	0.010	EPA-8260B		A01	1
Dibromomethane	ND	mg/kg	0.050	0.018	EPA-8260B		A01	1
1,2-Dichlorobenzene	ND	mg/kg	0.050	0.0081	EPA-8260B		A01	1
1,3-Dichlorobenzene	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
1,4-Dichlorobenzene	ND	mg/kg	0.050	0.015	EPA-8260B		A01	1
Dichlorodifluoromethane	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
1,1-Dichloroethane	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
1,2-Dichloroethane	ND	mg/kg	0.050	0.0085	EPA-8260B		A01	1
1,1-Dichloroethene	ND	mg/kg	0.050	0.012	EPA-8260B		A01	1
cis-1,2-Dichloroethene	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
trans-1,2-Dichloroethene	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
1,2-Dichloropropane	ND	mg/kg	0.050	0.0081	EPA-8260B		A01	1
1,3-Dichloropropane	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
2,2-Dichloropropane	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
1,1-Dichloropropene	ND	mg/kg	0.050	0.012	EPA-8260B		A01	1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-04		Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, Jeff Monroe						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
trans-1,3-Dichloropropene	ND	mg/kg	0.050	0.012	EPA-8260B		A01	1
Ethylbenzene	0.033	mg/kg	0.050	0.015	EPA-8260B		J,A01	1
Hexachlorobutadiene	ND	mg/kg	0.050	0.017	EPA-8260B		A01	1
Isopropylbenzene	1.4	mg/kg	0.050	0.013	EPA-8260B		A01	1
p-Isopropyltoluene	0.076	mg/kg	0.050	0.013	EPA-8260B		A01	1
Methylene chloride	ND	mg/kg	0.10	0.024	EPA-8260B		A01	1
Methyl t-butyl ether	ND	mg/kg	0.050	0.0050	EPA-8260B		A01	1
Naphthalene	18	mg/kg	0.50	0.14	EPA-8260B		A01	2
n-Propylbenzene	2.1	mg/kg	0.050	0.013	EPA-8260B		A01	1
Styrene	ND	mg/kg	0.050	0.014	EPA-8260B		A01	1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
Tetrachloroethene	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
Toluene	ND	mg/kg	0.050	0.012	EPA-8260B		A01	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.050	0.021	EPA-8260B		A01	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.050	0.020	EPA-8260B		A01	1
1,1,1-Trichloroethane	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
1,1,2-Trichloroethane	ND	mg/kg	0.050	0.0077	EPA-8260B		A01	1
Trichloroethene	ND	mg/kg	0.050	0.011	EPA-8260B	2040	A01	1
Trichlorofluoromethane	ND	mg/kg	0.050	0.011	EPA-8260B		A01	1
1,2,3-Trichloropropane	ND	mg/kg	0.050	0.016	EPA-8260B		A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.050	0.013	EPA-8260B		A01	1
1,2,4-Trimethylbenzene	0.039	mg/kg	0.050	0.013	EPA-8260B		J,A01	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.050	0.015	EPA-8260B		A01	1
Vinyl chloride	ND	mg/kg	0.050	0.016	EPA-8260B		A01	1
Total Xylenes	0.047	mg/kg	0.10	0.034	EPA-8260B		J,A01	1
p- & m-Xylenes	ND	mg/kg	0.050	0.022	EPA-8260B		A01	1
o-Xylene	0.028	mg/kg	0.050	0.012	EPA-8260B		J,A01	1
1,2-Dichloroethane-d4 (Surrogate)	91.5	%	70 - 121 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	82.7	%	70 - 121 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	96.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260B			2

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, Jeff Monroe
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
4-Bromofluorobenzene (Surrogate)	233	%	74 - 121 (LCL - UCL)		EPA-8260B		S09	1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/07/15	12/07/15 19:18	ADC	MS-V2	10	BYL0164
2	EPA-8260B	12/07/15	12/08/15 14:11	ADC	MS-V2	100	BYL0164

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, 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	3.0	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	19	mg/kg	1.0	0.18	EPA-8270C		A10	1
Naphthalene	8.7	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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-04		Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, 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	4.0	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)	76.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	77.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	57.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	86.8	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	69.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	69.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	12/07/15	12/07/15 16:36	VH1	MS-B1	9.406	BYL0708

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	400	100	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	1800	mg/kg	200	24	EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	1300	mg/kg	400	130	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01,A17	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	12/07/15	12/07/15 15:26	MWB	GC-13	20	BYL0631

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-04	Client Sample Name: SW45-d12.0, 12/5/2015 4:51:00PM, 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	3.1	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.18	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	8.7	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.0	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	4.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	2.8	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	20		2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	3500		1
Nickel	10	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.8	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.10	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	18	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	14	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	12/09/15	12/09/15 13:06	JCC	PE-OP3	0.962	BYL0826
2	EPA-7471A	12/08/15	12/09/15 12:56	MEV	CETAC1	1.008	BYL0756

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-05		Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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)	89.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	91.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	12/07/15	12/07/15	17:46	ADC	MS-V2	1	BYL0164

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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	1.8	mg/kg	1.0	0.18	EPA-8270C		A10	1
Naphthalene	0.84	mg/kg	1.0	0.18	EPA-8270C		J,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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-05		Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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	0.39	mg/kg	1.0	0.18	EPA-8270C		J,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)	81.3	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	81.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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)	77.8	%	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)	72.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	12/07/15	12/07/15 17:01	VH1	MS-B1	9.767	BYL0708

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	49	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	240	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	71.5	%	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	12/07/15	12/07/15 15:49	MWB	GC-13	1	BYL0631

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-05	Client Sample Name: SW46-d4.0, 12/5/2015 4:52:00PM, 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	2.7	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	210	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.6	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	18	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.4	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	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		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	12/09/15	12/09/15	13:08	JCC	PE-OP3	0.917	BYL0826
2	EPA-7471A	12/11/15	12/14/15	11:27	MEV	CETAC1	1.008	BYL1215

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 4:56:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-06		Client Sample Name: SW47-d11.0, 12/5/2015 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)	96.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.8	%	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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 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	12/07/15	12/07/15 18:09	ADC	MS-V2	1	BYL0164

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 4:56:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 4:56:00PM, 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)	78.4	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	80.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 4:56:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	78.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	83.5	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	73.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	76.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	12/07/15	12/07/15 17:27	VH1	MS-B1	0.987	BYL0708

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-06	Client Sample Name: SW47-d11.0, 12/5/2015 4:56:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
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)	74.8	%	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	12/07/15	12/07/15 17:42	MWB	GC-13	0.984	BYL0631

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-06		Client Sample Name: SW47-d11.0, 12/5/2015 4:56:00PM, 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	2.8	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	130	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.21	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	5.4	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	3.2	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	11	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.1	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	0.082	mg/kg	0.50	0.067	EPA-6010B	500	J	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	20	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	16	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	12/09/15	12/09/15 13:22	JCC	PE-OP3	0.980	BYL0826
2	EPA-7471A	12/11/15	12/14/15 11:30	MEV	CETAC1	0.992	BYL1215

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-07		Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, 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)	90.3	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, Jeff Monroe
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/07/15	12/07/15 18:32	ADC	MS-V2	1	BYL0164

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-07 Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, 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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, 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)	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: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Nitrobenzene-d5 (Surrogate)	81.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	81.0	%	30 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	74.0	%	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	12/07/15	12/07/15 17:53	VH1	MS-B1	0.983	BYL0708

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Petroleum Hydrocarbons

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, Jeff Monroe							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	68.9	%	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	12/07/15	12/07/15 18:05	MWB	GC-13	0.997	BYL0631

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

BCL Sample ID: 1531061-07	Client Sample Name: SW48-d7.0, 12/5/2015 4:59:00PM, 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	4.4	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	310	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	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	0.50	0.050	EPA-6010B	2500		1
Cobalt	9.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	10	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.4	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	3.1	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	30	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		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	12/09/15	12/09/15	13:23	JCC	PE-OP3	0.962	BYL0826
2	EPA-7471A	12/11/15	12/14/15	11:32	MEV	CETAC1	0.992	BYL1215

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Reported: 12/16/2015 12:26
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: BYL0164						
Benzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYL0164-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYL0164-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYL0164-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0164						
trans-1,3-Dichloropropene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYL0164-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYL0164-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2-Tetrachloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYL0164-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYL0164-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYL0164-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYL0164-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BYL0164-BLK1	87.2	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYL0164-BLK1	96.6	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYL0164-BLK1	94.5	%	74 - 121 (LCL - UCL)		

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Reported: 12/16/2015 12:26
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: BYL0164										
Benzene	BYL0164-BS1	LCS	0.12029	0.12500	mg/kg	96.2		70 - 130		
Bromodichloromethane	BYL0164-BS1	LCS	0.12042	0.12500	mg/kg	96.3		70 - 130		
Chlorobenzene	BYL0164-BS1	LCS	0.13076	0.12500	mg/kg	105		70 - 130		
Chloroethane	BYL0164-BS1	LCS	0.11411	0.12500	mg/kg	91.3		70 - 130		
1,4-Dichlorobenzene	BYL0164-BS1	LCS	0.13825	0.12500	mg/kg	111		70 - 130		
1,1-Dichloroethane	BYL0164-BS1	LCS	0.11481	0.12500	mg/kg	91.8		70 - 130		
1,1-Dichloroethene	BYL0164-BS1	LCS	0.12502	0.12500	mg/kg	100		70 - 130		
Toluene	BYL0164-BS1	LCS	0.12668	0.12500	mg/kg	101		70 - 130		
Trichloroethene	BYL0164-BS1	LCS	0.12448	0.12500	mg/kg	99.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYL0164-BS1	LCS	0.044720	0.050000	mg/kg	89.4		70 - 121		
Toluene-d8 (Surrogate)	BYL0164-BS1	LCS	0.048470	0.050000	mg/kg	96.9		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYL0164-BS1	LCS	0.048610	0.050000	mg/kg	97.2		74 - 121		

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Reported: 12/16/2015 12:26
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	Percent Recovery		Lab	
								RPD	Percent Recovery		
QC Batch ID: BYL0164		Used client sample: N									
Benzene	MS	1528561-62	ND	0.10618	0.12500	mg/kg		84.9		70 - 130	
	MSD	1528561-62	ND	0.10526	0.12500	mg/kg	0.9	84.2	20	70 - 130	
Bromodichloromethane	MS	1528561-62	ND	0.10364	0.12500	mg/kg		82.9		70 - 130	
	MSD	1528561-62	ND	0.10955	0.12500	mg/kg	5.5	87.6	20	70 - 130	
Chlorobenzene	MS	1528561-62	ND	0.11669	0.12500	mg/kg		93.4		70 - 130	
	MSD	1528561-62	ND	0.11682	0.12500	mg/kg	0.1	93.5	20	70 - 130	
Chloroethane	MS	1528561-62	ND	0.10287	0.12500	mg/kg		82.3		70 - 130	
	MSD	1528561-62	ND	0.10622	0.12500	mg/kg	3.2	85.0	20	70 - 130	
1,4-Dichlorobenzene	MS	1528561-62	ND	0.11831	0.12500	mg/kg		94.6		70 - 130	
	MSD	1528561-62	ND	0.12302	0.12500	mg/kg	3.9	98.4	20	70 - 130	
1,1-Dichloroethane	MS	1528561-62	ND	0.10136	0.12500	mg/kg		81.1		70 - 130	
	MSD	1528561-62	ND	0.10299	0.12500	mg/kg	1.6	82.4	20	70 - 130	
1,1-Dichloroethene	MS	1528561-62	ND	0.10706	0.12500	mg/kg		85.6		70 - 130	
	MSD	1528561-62	ND	0.11408	0.12500	mg/kg	6.3	91.3	20	70 - 130	
Toluene	MS	1528561-62	ND	0.11137	0.12500	mg/kg		89.1		70 - 130	
	MSD	1528561-62	ND	0.11778	0.12500	mg/kg	5.6	94.2	20	70 - 130	
Trichloroethene	MS	1528561-62	ND	0.10966	0.12500	mg/kg		87.7		70 - 130	
	MSD	1528561-62	ND	0.11711	0.12500	mg/kg	6.6	93.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1528561-62	ND	0.045200	0.050000	mg/kg		90.4		70 - 121	
	MSD	1528561-62	ND	0.044170	0.050000	mg/kg	2.3	88.3		70 - 121	
Toluene-d8 (Surrogate)	MS	1528561-62	ND	0.046880	0.050000	mg/kg		93.8		81 - 117	
	MSD	1528561-62	ND	0.046730	0.050000	mg/kg	0.3	93.5		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1528561-62	ND	0.047570	0.050000	mg/kg		95.1		74 - 121	
	MSD	1528561-62	ND	0.046870	0.050000	mg/kg	1.5	93.7		74 - 121	

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Reported: 12/16/2015 12:26
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: BYL0708						
Acenaphthene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BYL0708-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BYL0708-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BYL0708-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BYL0708-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BYL0708-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BYL0708-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BYL0708-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BYL0708-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BYL0708-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BYL0708-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BYL0708-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BYL0708-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BYL0708-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BYL0708-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BYL0708-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BYL0708-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BYL0708-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BYL0708-BLK1	ND	mg/kg	0.10	0.021	

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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: BYL0708						
1,4-Dichlorobenzene	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BYL0708-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BYL0708-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BYL0708-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BYL0708-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BYL0708-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BYL0708-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BYL0708-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BYL0708-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BYL0708-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BYL0708-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BYL0708-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BYL0708-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BYL0708-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BYL0708-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BYL0708-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BYL0708-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BYL0708-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BYL0708-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BYL0708-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BYL0708-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: 12/16/2015 12:26
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: BYL0708						
N-Nitrosodiphenylamine	BYL0708-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BYL0708-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BYL0708-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BYL0708-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BYL0708-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BYL0708-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BYL0708-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BYL0708-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BYL0708-BLK1	ND	mg/kg	0.20	0.033	
Total Methylphenol	BYL0708-BLK1	ND	mg/kg	0.20	0.047	
2-Nitrophenol	BYL0708-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BYL0708-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BYL0708-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BYL0708-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BYL0708-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BYL0708-BLK1	ND	mg/kg	0.20	0.017	
PCB-1242	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1016	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1232	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1248	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1254	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1260	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1262	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1268	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
PCB-1221	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
Total PCB's (Summation)	BYL0708-BLK1	ND	mg/kg	2.0	1.0	
2-Fluorophenol (Surrogate)	BYL0708-BLK1	80.8	%	20 - 130 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYL0708-BLK1	85.0	%	30 - 130 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BYL0708-BLK1	85.4	%	30 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYL0708-BLK1	97.4	%	30 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYL0708-BLK1	73.0	%	20 - 150 (LCL - UCL)		

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0708						
p-Terphenyl-d14 (Surrogate)	BYL0708-BLK1	92.1	%	30 - 150 (LCL - UCL)		

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0708										
Acenaphthene	BYL0708-BS1	LCS	1.5260	1.6611	mg/kg	91.9		50 - 130		
1,4-Dichlorobenzene	BYL0708-BS1	LCS	1.5393	1.6611	mg/kg	92.7		50 - 130		
2,4-Dinitrotoluene	BYL0708-BS1	LCS	1.3906	1.6611	mg/kg	83.7		50 - 130		
Hexachlorobenzene	BYL0708-BS1	LCS	1.8085	1.6611	mg/kg	109		40 - 130		
Hexachlorobutadiene	BYL0708-BS1	LCS	1.4379	1.6611	mg/kg	86.6		50 - 130		
Hexachloroethane	BYL0708-BS1	LCS	1.4020	1.6611	mg/kg	84.4		50 - 130		
Nitrobenzene	BYL0708-BS1	LCS	1.5822	1.6611	mg/kg	95.2		50 - 130		
N-Nitrosodi-N-propylamine	BYL0708-BS1	LCS	1.3833	1.6611	mg/kg	83.3		40 - 120		
Pyrene	BYL0708-BS1	LCS	1.7734	1.6611	mg/kg	107		40 - 150		
1,2,4-Trichlorobenzene	BYL0708-BS1	LCS	1.6554	1.6611	mg/kg	99.7		50 - 120		
4-Chloro-3-methylphenol	BYL0708-BS1	LCS	1.5156	1.6611	mg/kg	91.2		50 - 130		
2-Chlorophenol	BYL0708-BS1	LCS	1.6889	1.6611	mg/kg	102		50 - 130		
2-Methylphenol	BYL0708-BS1	LCS	1.4266	1.6611	mg/kg	85.9		50 - 130		
3- & 4-Methylphenol	BYL0708-BS1	LCS	2.6647	3.3223	mg/kg	80.2		50 - 130		
4-Nitrophenol	BYL0708-BS1	LCS	0.91749	1.6611	mg/kg	55.2		30 - 130		
Pentachlorophenol	BYL0708-BS1	LCS	1.0611	1.6611	mg/kg	63.9		20 - 130		
Phenol	BYL0708-BS1	LCS	1.3562	1.6611	mg/kg	81.6		40 - 120		
2,4,6-Trichlorophenol	BYL0708-BS1	LCS	1.4181	1.6611	mg/kg	85.4		50 - 130		
2-Fluorophenol (Surrogate)	BYL0708-BS1	LCS	1.3511	1.6611	mg/kg	81.3		20 - 130		
Phenol-d5 (Surrogate)	BYL0708-BS1	LCS	1.3767	1.6611	mg/kg	82.9		30 - 130		
Nitrobenzene-d5 (Surrogate)	BYL0708-BS1	LCS	1.3092	1.6611	mg/kg	78.8		30 - 130		
2-Fluorobiphenyl (Surrogate)	BYL0708-BS1	LCS	1.5755	1.6611	mg/kg	94.8		30 - 140		
2,4,6-Tribromophenol (Surrogate)	BYL0708-BS1	LCS	1.5689	1.6611	mg/kg	94.4		20 - 150		
p-Terphenyl-d14 (Surrogate)	BYL0708-BS1	LCS	0.76063	0.83056	mg/kg	91.6		30 - 150		

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0708		Used client sample: N								
Acenaphthene	MS	1528561-68	ND	1.4344	1.6393	mg/kg		87.5	30 - 140	
	MSD	1528561-68	ND	1.5004	1.6835	mg/kg	4.5	89.1	30	30 - 140
1,4-Dichlorobenzene	MS	1528561-68	ND	1.4351	1.6393	mg/kg		87.5	50 - 130	
	MSD	1528561-68	ND	1.4419	1.6835	mg/kg	0.5	85.7	30	50 - 130
2,4-Dinitrotoluene	MS	1528561-68	ND	1.2656	1.6393	mg/kg		77.2	50 - 130	
	MSD	1528561-68	ND	1.2698	1.6835	mg/kg	0.3	75.4	30	50 - 130
Hexachlorobenzene	MS	1528561-68	ND	1.7259	1.6393	mg/kg		105	50 - 130	
	MSD	1528561-68	ND	1.7548	1.6835	mg/kg	1.7	104	30	50 - 130
Hexachlorobutadiene	MS	1528561-68	ND	1.2748	1.6393	mg/kg		77.8	50 - 130	
	MSD	1528561-68	ND	1.3244	1.6835	mg/kg	3.8	78.7	30	50 - 130
Hexachloroethane	MS	1528561-68	ND	1.2862	1.6393	mg/kg		78.5	50 - 130	
	MSD	1528561-68	ND	1.3126	1.6835	mg/kg	2.0	78.0	30	50 - 130
Nitrobenzene	MS	1528561-68	ND	1.3685	1.6393	mg/kg		83.5	30 - 120	
	MSD	1528561-68	ND	1.3838	1.6835	mg/kg	1.1	82.2	30	30 - 120
N-Nitrosodi-N-propylamine	MS	1528561-68	ND	1.3210	1.6393	mg/kg		80.6	20 - 130	
	MSD	1528561-68	ND	1.3358	1.6835	mg/kg	1.1	79.3	30	20 - 130
Pyrene	MS	1528561-68	ND	1.5056	1.6393	mg/kg		91.8	40 - 140	
	MSD	1528561-68	ND	1.6170	1.6835	mg/kg	7.1	96.0	30	40 - 140
1,2,4-Trichlorobenzene	MS	1528561-68	ND	1.4767	1.6393	mg/kg		90.1	50 - 130	
	MSD	1528561-68	ND	1.5249	1.6835	mg/kg	3.2	90.6	30	50 - 130
4-Chloro-3-methylphenol	MS	1528561-68	ND	1.2925	1.6393	mg/kg		78.8	50 - 130	
	MSD	1528561-68	ND	1.3420	1.6835	mg/kg	3.8	79.7	30	50 - 130
2-Chlorophenol	MS	1528561-68	ND	1.5426	1.6393	mg/kg		94.1	50 - 130	
	MSD	1528561-68	ND	1.5719	1.6835	mg/kg	1.9	93.4	30	50 - 130
2-Methylphenol	MS	1528561-68	ND	1.3351	1.6393	mg/kg		81.4	50 - 130	
	MSD	1528561-68	ND	1.3639	1.6835	mg/kg	2.1	81.0	30	50 - 130
3- & 4-Methylphenol	MS	1528561-68	ND	2.5348	3.2787	mg/kg		77.3	50 - 130	
	MSD	1528561-68	ND	2.5710	3.3670	mg/kg	1.4	76.4	30	50 - 130
4-Nitrophenol	MS	1528561-68	ND	0.82984	1.6393	mg/kg		50.6	30 - 140	
	MSD	1528561-68	ND	0.82826	1.6835	mg/kg	0.2	49.2	30	30 - 140
Pentachlorophenol	MS	1528561-68	ND	0.91639	1.6393	mg/kg		55.9	30 - 130	
	MSD	1528561-68	ND	0.96281	1.6835	mg/kg	4.9	57.2	30	30 - 130
Phenol	MS	1528561-68	ND	1.2456	1.6393	mg/kg		76.0	40 - 150	
	MSD	1528561-68	ND	1.2835	1.6835	mg/kg	3.0	76.2	30	40 - 150
2,4,6-Trichlorophenol	MS	1528561-68	ND	1.2738	1.6393	mg/kg		77.7	50 - 130	
	MSD	1528561-68	ND	1.3587	1.6835	mg/kg	6.4	80.7	30	50 - 130

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0708		Used client sample: N								
2-Fluorophenol (Surrogate)	MS	1528561-68	ND	1.2528	1.6393	mg/kg		76.4	20 - 130	
	MSD	1528561-68	ND	1.2891	1.6835	mg/kg	2.9	76.6	20 - 130	
Phenol-d5 (Surrogate)	MS	1528561-68	ND	1.2495	1.6393	mg/kg		76.2	30 - 130	
	MSD	1528561-68	ND	1.3106	1.6835	mg/kg	4.8	77.8	30 - 130	
Nitrobenzene-d5 (Surrogate)	MS	1528561-68	ND	1.2187	1.6393	mg/kg		74.3	30 - 130	
	MSD	1528561-68	ND	1.2522	1.6835	mg/kg	2.7	74.4	30 - 130	
2-Fluorobiphenyl (Surrogate)	MS	1528561-68	ND	1.4466	1.6393	mg/kg		88.2	30 - 140	
	MSD	1528561-68	ND	1.4984	1.6835	mg/kg	3.5	89.0	30 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1528561-68	ND	1.3800	1.6393	mg/kg		84.2	20 - 150	
	MSD	1528561-68	ND	1.4690	1.6835	mg/kg	6.3	87.3	20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1528561-68	ND	0.67475	0.81967	mg/kg		82.3	30 - 150	
	MSD	1528561-68	ND	0.74530	0.84175	mg/kg	9.9	88.5	30 - 150	

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0631						
TPH - Gasoline	BYL0631-BLK1	ND	mg/kg	20	5.0	
TPH - Diesel (FFP)	BYL0631-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil	BYL0631-BLK1	ND	mg/kg	20	6.5	
Tetracosane (Surrogate)	BYL0631-BLK1	72.2	%	20 - 145 (LCL - UCL)		

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0631										
TPH - Diesel (FFP)	BYL0631-BS1	LCS	71.555	83.056	mg/kg	86.2		64	124	
Tetracosane (Surrogate)	BYL0631-BS1	LCS	2.7661	3.3223	mg/kg	83.3		20	145	

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0631		Used client sample: N								
TPH - Diesel (FFP)	MS	1528561-62	ND	69.625	83.333	mg/kg		83.6		52 - 131
	MSD	1528561-62	ND	77.690	84.459	mg/kg	10.9	92.0	30	52 - 131
Tetracosane (Surrogate)	MS	1528561-62	ND	2.6195	3.3333	mg/kg		78.6		20 - 145
	MSD	1528561-62	ND	2.9963	3.3784	mg/kg	13.4	88.7		20 - 145

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0756						
Mercury	BYL0756-BLK1	ND	mg/kg	0.16	0.036	
QC Batch ID: BYL0826						
Antimony	BYL0826-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BYL0826-BLK1	ND	mg/kg	1.0	0.40	
Barium	BYL0826-BLK1	0.19277	mg/kg	0.50	0.18	J
Beryllium	BYL0826-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BYL0826-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BYL0826-BLK1	0.062833	mg/kg	0.50	0.050	J
Cobalt	BYL0826-BLK1	ND	mg/kg	2.5	0.098	
Copper	BYL0826-BLK1	0.26489	mg/kg	1.0	0.050	J
Lead	BYL0826-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BYL0826-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BYL0826-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BYL0826-BLK1	ND	mg/kg	1.0	0.98	
Silver	BYL0826-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BYL0826-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BYL0826-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BYL0826-BLK1	0.15427	mg/kg	2.5	0.087	J
QC Batch ID: BYL1215						
Mercury	BYL1215-BLK1	ND	mg/kg	0.16	0.036	

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1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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: BYL0756										
Mercury	BYL0756-BS1	LCS	0.84976	0.80000	mg/kg	106		80 - 120		
QC Batch ID: BYL0826										
Antimony	BYL0826-BS1	LCS	93.945	100.00	mg/kg	93.9		75 - 125		
Arsenic	BYL0826-BS1	LCS	9.2490	10.000	mg/kg	92.5		75 - 125		
Barium	BYL0826-BS1	LCS	91.694	100.00	mg/kg	91.7		75 - 125		
Beryllium	BYL0826-BS1	LCS	8.5871	10.000	mg/kg	85.9		75 - 125		
Cadmium	BYL0826-BS1	LCS	9.3771	10.000	mg/kg	93.8		75 - 125		
Chromium	BYL0826-BS1	LCS	99.017	100.00	mg/kg	99.0		75 - 125		
Cobalt	BYL0826-BS1	LCS	94.024	100.00	mg/kg	94.0		75 - 125		
Copper	BYL0826-BS1	LCS	90.848	100.00	mg/kg	90.8		75 - 125		
Lead	BYL0826-BS1	LCS	91.053	100.00	mg/kg	91.1		75 - 125		
Molybdenum	BYL0826-BS1	LCS	91.297	100.00	mg/kg	91.3		75 - 125		
Nickel	BYL0826-BS1	LCS	100.89	100.00	mg/kg	101		75 - 125		
Selenium	BYL0826-BS1	LCS	9.0822	10.000	mg/kg	90.8		75 - 125		
Silver	BYL0826-BS1	LCS	9.4626	10.000	mg/kg	94.6		75 - 125		
Thallium	BYL0826-BS1	LCS	100.01	100.00	mg/kg	100		75 - 125		
Vanadium	BYL0826-BS1	LCS	101.33	100.00	mg/kg	101		75 - 125		
Zinc	BYL0826-BS1	LCS	87.824	100.00	mg/kg	87.8		75 - 125		
QC Batch ID: BYL1215										
Mercury	BYL1215-BS1	LCS	0.81552	0.80000	mg/kg	102		80 - 120		

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
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	RPD	
QC Batch ID: BYL0756		Used client sample: N								
Mercury	DUP	1531040-04	ND	ND		mg/kg			20	
	MS	1531040-04	ND	0.85532	0.80645	mg/kg		106		80 - 120
	MSD	1531040-04	ND	0.87274	0.80645	mg/kg	2.0	108	20	80 - 120
QC Batch ID: BYL0826		Used client sample: Y - Description: SW43-d12.0, 12/05/2015 16:41								
Antimony	DUP	1531061-02	ND	ND		mg/kg			20	
	MS	1531061-02	ND	32.465	100.00	mg/kg		32.5		16 - 119
	MSD	1531061-02	ND	30.615	100.00	mg/kg	5.9	30.6	20	16 - 119
Arsenic	DUP	1531061-02	3.5270	3.3887		mg/kg	4.0		20	
	MS	1531061-02	3.5270	11.508	10.000	mg/kg		79.8		75 - 125
	MSD	1531061-02	3.5270	11.570	10.000	mg/kg	0.5	80.4	20	75 - 125
Barium	DUP	1531061-02	224.79	224.00		mg/kg	0.3		20	
	MS	1531061-02	224.79	333.84	100.00	mg/kg		109		75 - 125
	MSD	1531061-02	224.79	325.37	100.00	mg/kg	2.6	101	20	75 - 125
Beryllium	DUP	1531061-02	0.27084	0.25667		mg/kg	5.4		20	J
	MS	1531061-02	0.27084	8.3305	10.000	mg/kg		80.6		75 - 125
	MSD	1531061-02	0.27084	8.2784	10.000	mg/kg	0.6	80.1	20	75 - 125
Cadmium	DUP	1531061-02	ND	ND		mg/kg			20	
	MS	1531061-02	ND	8.4493	10.000	mg/kg		84.5		75 - 125
	MSD	1531061-02	ND	8.4406	10.000	mg/kg	0.1	84.4	20	75 - 125
Chromium	DUP	1531061-02	13.523	13.161		mg/kg	2.7		20	
	MS	1531061-02	13.523	105.64	100.00	mg/kg		92.1		75 - 125
	MSD	1531061-02	13.523	104.36	100.00	mg/kg	1.2	90.8	20	75 - 125
Cobalt	DUP	1531061-02	5.0057	4.6522		mg/kg	7.3		20	
	MS	1531061-02	5.0057	88.497	100.00	mg/kg		83.5		75 - 125
	MSD	1531061-02	5.0057	88.504	100.00	mg/kg	0.0	83.5	20	75 - 125
Copper	DUP	1531061-02	6.7348	6.4830		mg/kg	3.8		20	
	MS	1531061-02	6.7348	90.799	100.00	mg/kg		84.1		75 - 125
	MSD	1531061-02	6.7348	90.221	100.00	mg/kg	0.6	83.5	20	75 - 125
Lead	DUP	1531061-02	3.7881	3.6347		mg/kg	4.1		20	
	MS	1531061-02	3.7881	86.780	100.00	mg/kg		83.0		75 - 125
	MSD	1531061-02	3.7881	87.326	100.00	mg/kg	0.6	83.5	20	75 - 125
Molybdenum	DUP	1531061-02	ND	ND		mg/kg			20	
	MS	1531061-02	ND	77.452	100.00	mg/kg		77.5		75 - 125
	MSD	1531061-02	ND	77.161	100.00	mg/kg	0.4	77.2	20	75 - 125
Nickel	DUP	1531061-02	13.241	12.743		mg/kg	3.8		20	
	MS	1531061-02	13.241	102.50	100.00	mg/kg		89.3		75 - 125
	MSD	1531061-02	13.241	102.15	100.00	mg/kg	0.3	88.9	20	75 - 125

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E & B Natural Resources Management Corp.
1600 Norris Road
Bakersfield, CA 93308

Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Total Concentrations (TTLIC)

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: BYL0826		Used client sample: Y - Description: SW43-d12.0, 12/05/2015 16:41								
Selenium	DUP	1531061-02	2.9908	2.6442		mg/kg	12.3		20	
	MS	1531061-02	2.9908	9.8180	10.000	mg/kg		68.3		Q03
	MSD	1531061-02	2.9908	9.8383	10.000	mg/kg	0.2	68.5	20	75 - 125 Q03
Silver	DUP	1531061-02	0.10237	0.087516		mg/kg	15.6		20	J
	MS	1531061-02	0.10237	8.9383	10.000	mg/kg		88.4		75 - 125
	MSD	1531061-02	0.10237	8.8328	10.000	mg/kg	1.2	87.3	20	75 - 125
Thallium	DUP	1531061-02	ND	ND		mg/kg			20	
	MS	1531061-02	ND	84.229	100.00	mg/kg		84.2		75 - 125
	MSD	1531061-02	ND	84.633	100.00	mg/kg	0.5	84.6	20	75 - 125
Vanadium	DUP	1531061-02	23.702	23.246		mg/kg	1.9		20	
	MS	1531061-02	23.702	120.84	100.00	mg/kg		97.1		75 - 125
	MSD	1531061-02	23.702	119.39	100.00	mg/kg	1.2	95.7	20	75 - 125
Zinc	DUP	1531061-02	20.116	19.349		mg/kg	3.9		20	
	MS	1531061-02	20.116	102.34	100.00	mg/kg		82.2		75 - 125
	MSD	1531061-02	20.116	102.34	100.00	mg/kg	0.0	82.2	20	75 - 125
QC Batch ID: BYL1215		Used client sample: N								
Mercury	DUP	1531485-01	ND	ND		mg/kg			20	
	MS	1531485-01	ND	0.83938	0.78125	mg/kg		107		80 - 120
	MSD	1531485-01	ND	0.84000	0.78125	mg/kg	0.1	108	20	80 - 120

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Reported: 12/16/2015 12:26
Project: GIG
Project Number: GIG Excavation
Project Manager: Jennifer Brady

Notes And Definitions

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A10 Detection and quantitation limits were raised due to matrix interference.
- A17 Surrogate not reportable due to sample dilution.
- 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.