

September 10, 2018

To: Carson Companies
100 Bayview Circle, Suite 3500
Newport Beach, California 92660

Attention: Dan Darnell

Subject: Limited soil investigation within the vacant property located immediately north of Agua Mansa Road and Hall Avenue, Riverside County, California.

The following letter report, prepared by Black Rock Geosciences (BRG), provides the results of an environmental soil investigation conducted at the subject site. The purpose of this investigation, which was requested by the Riverside County Department of Environmental Health, was to assess the soils underlying the site for potential contaminants associated with formal agricultural activities and undocumented fills. The following sections present a review of the site's background, our field our sampling procedures, the analytical methods utilized, and the findings of this investigation.

Site Location

The subject site is located immediately north of the intersection of Agua Mansa Road and Hall Avenue, in Riverside County, California (Figures 1 and 2). The site currently has no formal address. It is comprised of approximately 23.1 acres of vacant land that is bordered on the east by Agua Mansa Road and on the south by Hall Avenue. The site's parcel numbers are 175-210-032, -034, and -059.

Site Background

Based on data reviewed during a previous onsite assessment (BRG, 2017), most of the site was developed for agricultural use prior to the 1930s. Orchards were located in the site's eastern and western portions between at least 1931 and 1948. These orchards were removed or left fallow between 1948 and 1953. The site's central portion was in use as an agricultural field or in a fallow state between at least 1931 and 1953. Most of the site was part of a larger agricultural field between at least 1967 and 1989. Agricultural activities ceased onsite between 1989 and 1993.

Two apparent dwellings were located in the site's eastern portion between at least 1931 and 1967. These structures were removed in the 1970s and 1980s. Two additional structures (suspected barns and/or dwellings) were also located on the site's eastern portion between 1953 and 1989. These structures were removed between 1989 and 1993.

Seven poultry barns were constructed within the site's eastern portion between 1948 and 1953. These structures were removed between 1953 and 1967.

The site's ground surface was altered between 1989 and 1993. Soils appear to have been removed from the site's eastern portion and used to create a leveled pad in the site's north-central portion. This leveled pad was formerly used as a horse training area.

Potential Onsite Hazardous Material Releases

With the possible exception of pesticides, potential releases of petroleum hydrocarbons and/or chemicals were not encountered during the previous Phase I environmental assessment prepared for the site (BRG, 2017). Due to the presence of orchards and agricultural fields within the site between at least 1931 and 1989, BRG considered there to be a potential that persistent pesticides (such as DDT) were formerly present in the shallow soils that once covered the site. Persistent pesticides were commonly used on orchards until the 1970s and 1980s. No other potential contaminants were identified at the subject site.

Soil Sampling Procedures

Environmental soil sampling was conducted at the site on August 26, 2018. It was performed by a California Professional Geologist (Mr. Quin Kinnebrew; P.G. #5696). The soil sampling locations (10 total) are shown on Figure 2. These locations and the associated sampling depths are described below.

- **Former Agricultural Area** - Soil samples were collected from three widely-spaced locations (S1, S2, and S3) within the site's western portion, which is an undisturbed area that was formerly in agricultural use. Soil samples were collected from these three locations at depths of 0.5 and 1 foot.
- **North-Central Fill Area** - Soil samples were collected from three locations (S4, S5, and S6) within the fill area in the site's north-central portion. Soil samples were collected from these three locations at depths of 0.5, 4, and 8 feet.
- **Eastern Soil Stockpiles** - Soil samples were collected from four stockpiles located on the site's eastern side (S7, S8, S9, and S10; Figure 2). One soil sample was collected from each stockpile. These samples were collected from the central portion of each pile. They were collected at depths centrally located between the top and bottom of the pile.

A cleaned hand auger was used to drill down to each planned sampling depth. A drive sampler containing new and unused stainless steel tubes (2-inch diameter and 3-inch length) was then used to collect the soil samples. After collection, the soil-filled tubes were capped, labeled, placed into sealable plastic bags, and then immediately placed into an ice-cooled chest. The ice chest was maintained at a temperature of less than 6° Celsius.

The soil sampling equipment was decontaminated between borings and prior to the collection of each soil sample. The sampling equipment was decontaminated using a solution of water and non-phosphate detergent, followed by two rinses with tap water.

Laboratory Analyses

TestAmerica Laboratories, Inc. of Irvine, California performed the analyses of soil samples collected during the sampling event described above. TestAmerica is certified by the California Department of Health Services Environmental Accreditation Laboratory Program. The analyses used during this investigation are described below.

- **Former Agricultural Area** - The samples collected from 0.5 foot from the former agricultural area were analyzed for the following potential contaminants. Due to the absence of elevated contaminant concentrations in the soil samples collected from 0.5 feet, the samples collected at depths of 1 foot were not analyzed.
 - Pesticides using EPA method 8081A; and
 - Arsenic using EPA Method 6010B.

- **North-Central Fill Area** - The samples collected from 0.5 and 4 feet from the north-central fill area were analyzed for the following potential contaminants. Due to the absence of elevated contaminant concentrations in the soil samples collected from 4 feet, the samples collected at depths of 8 feet were not analyzed.
 - Chlorinated pesticides using EPA Method 8081A;
 - Arsenic using EPA Method 6010B;
 - Petroleum hydrocarbons using EPA Method 8015 (carbon chain); and
 - Volatile organic compounds using EPA Method 8260B.

- **Eastern Soil Stockpiles** - Each soil sample collected from the eastern stockpiles was analyzed for the following potential contaminants.
 - Chlorinated pesticides using EPA Method 8081A;
 - Arsenic using EPA Method 6010B;
 - Petroleum hydrocarbons using EPA Method 8015 (carbon chain); and
 - Volatile organic compounds using EPA Method 8260B.

The results of the laboratory analyses are summarized on Table 1. The laboratory’s report is included as an attachment to this report.

Findings and Conclusions

Chlorinated pesticides were not detected in the soil samples collected from the former agricultural area or the north-central stockpile. They were detected in two of the soil samples that were collected from the eastern soil stockpiles (Table 1). The detected pesticides and their highest reported concentrations are provided below.

Detected Pesticides	Highest Reported Concentrations (µg/kg)	Regional Screening Level* (µg/kg)
4,4'-DDE (Dichlorodiphenyldichloroethylene)	9.0	9,300 (Commercial settings)
4,4'-DDT (Dichlorodiphenyltrichloroethane)	1.6J	8,500 (Commercial settings)

Notes: µg/kg Micrograms per kilogram (parts per billion)
 * Environmental Protection Agency (Region IX): Regional Screening Level Summary Table; dated May 2018.
 J Analyte was detected below the reporting limit, but above the detection limit.

As noted on the table above, the chlorinated pesticide concentrations reported in the soil samples collected from the eastern stockpiles were relatively low. None of the reported concentrations exceeded the respective Regional Screen Levels (from: www.epa.gov/risk/regional-screening-levels-rsls-generic-tables). Based on the findings of this investigation, elevated pesticide concentrations are not present within the onsite soils.

Petroleum hydrocarbons were detected in each soil sample analyzed (Table 1). Their reported concentrations ranged from 6.2 to 10 milligrams per kilogram (mg/kg). These concentrations are well below the screening levels for petroleum hydrocarbons, which range from 420 mg/kg (the Regional Screening Level) to 1,000 mg/kg (www.waterboards.ca.gov/rwqcb4/water_issues/programs/remediation/VOC/RBs1996GuideBook1_1.pdf).

Arsenic was detected in each collected soil sample (table 1). Its concentrations ranged from 1.5 to 10 mg/kg. Five of the soil samples had arsenic concentrations that were at or greater than arsenic's Regional Screening Level of 3 mg/kg for commercial properties. Note, however, that the average arsenic concentration in soils within Southern California is 12 mg/kg (<https://www.dtsc.ca.gov/upload/Background-Arsenic.pdf>). Arsenic, therefore, is not considered elevated unless its concentration is greater than 12 mg/kg.

Volatile organic compounds were not detected in any of the soil samples collected from the north-central fill area or eastern soil stockpiles. Based on the findings of this investigation, volatile organic compounds are not present within the onsite soils.

Recommendations

As noted above, the data collected during this investigation does not indicate or suggest that a significant release of potentially hazardous materials has occurred at the site. Based on a review of the analytical results and a review of the soils within the areas sampled, Black Rock Geosciences considers additional environmental soil investigations unwarranted. Such actions are not recommended.

Limitations

This investigation was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by experienced environmental professionals practicing in this or similar locations. No other warranty, expressed or implied, is granted or intended as part of this service.

The soil samples collected during this investigation are believed representative of the areas sampled. However, environmental and soil conditions can vary significantly between and away from the locations sampled. Conditions revealed by additional subsurface investigations may be at variance with preliminary findings. If this occurs, experienced environmental professionals must evaluate the changed conditions, and adjust conclusions and recommendations provided herein.

The interpretations and conclusions contained in this report are, in part, based on laboratory analyses that were intended to detect the presence and concentration of specific chemical constituents in samples collected from the subject site. The analyses have been conducted by an independent laboratory that is certified by the State of California to conduct such analyses, and which uses methodologies mandated by the Environmental Protection Agency in the performance of such analyses. Black Rock Geosciences has no involvement in, or control over, such analyses and has no non-laboratory means of confirming the accuracy of such laboratory results. Black Rock Geosciences, therefore, disclaims any responsibility or any inaccuracy in such laboratory results.

The findings of this report are valid as of the present date. However, changes in the conditions of a property can and do occur with the passage of time, whether they be due to natural processes or the work of people on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and revision as changed conditions are identified.

If you have any questions or comments regarding this report, please do not hesitate to contact the undersigned at (714) 315-5354.

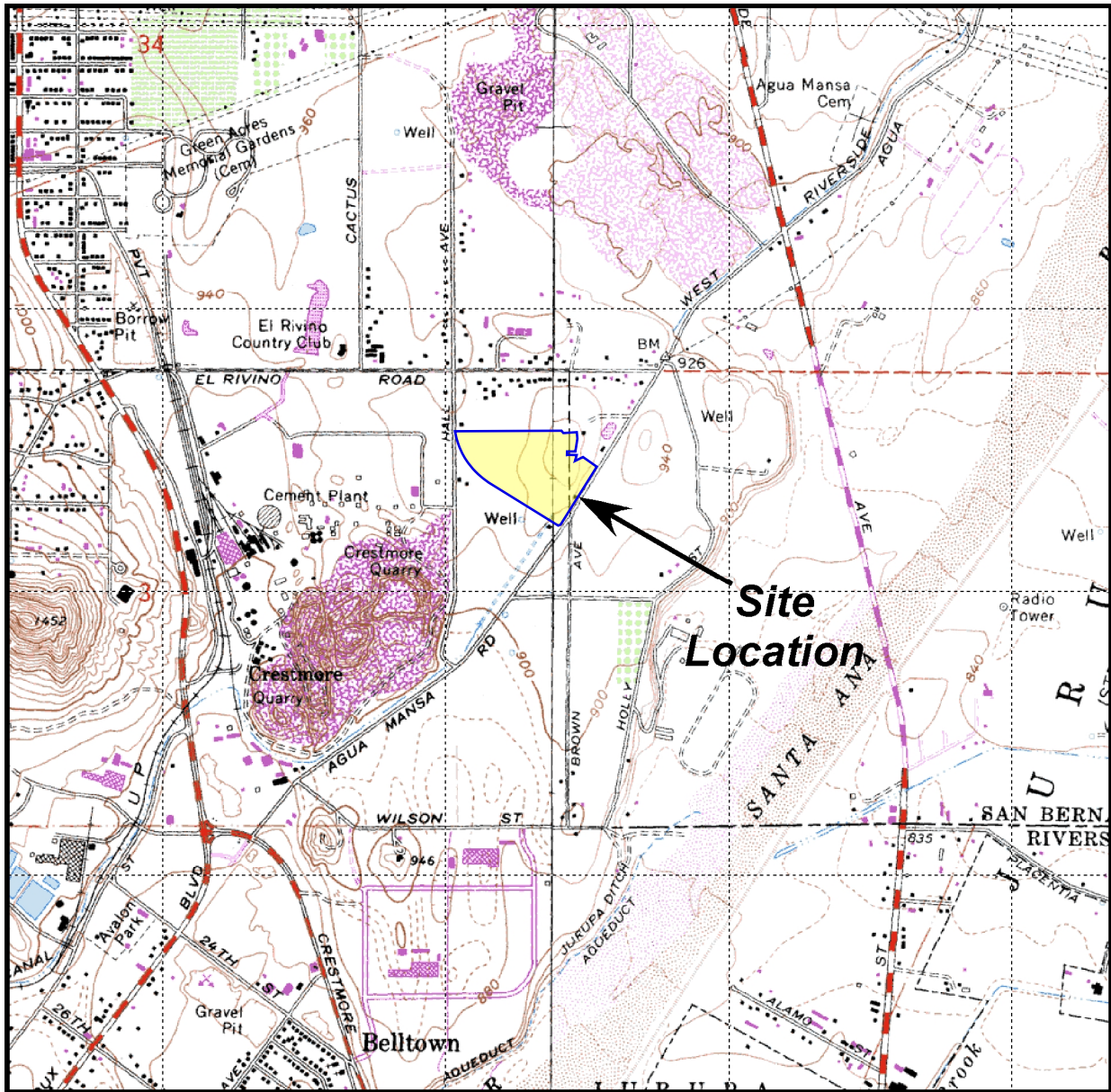
Respectfully Submitted,



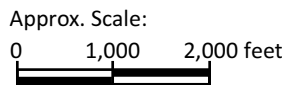
Quin Kinnebrew
California Professional Geologist, No. 5696

Reference: Black Rock Geosciences, 2017, Phase I Environmental Site Assessment for the 23.1 acre vacant property located immediately north of Agua Mansa Road and Hall Avenue (Assessor Parcel Nos. 175-210-032, -034, and -059), In the Community of Rubidoux, California 92509; dated October 2017.

Attachments: Figure 1 - Site Location Map
Figure 2 - Soil Sampling Locations
Table 1 - Summary of Analytical Results
Attachment A - Laboratory Report



Base Map: U.S.G.S. Fontana (1980) and San Bernardino South (1980), California quadrangles



BLACK ROCK GEOSCIENCES

SITE LOCATION MAP

Figure No.

APNs 175-210-032, -034, & -059
Riverside County, California

1

Project No.: 22039 Date: Sept. 2018

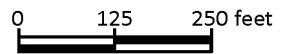


Base Photograph: Google Earth, dated November 21, 2016

LEGEND:

⊕ Soil sampling location

Approx. Scale:



BLACK ROCK GEOSCIENCES

Project No.: 22039 Date: Sept. 2018

SOIL SAMPLING LOCATIONS

APNs 175-210-032, -034, & -059
Riverside, California

Figure No.

2

TABLE 1
Summary of Analytical Results
APNs 175-210-032, -034, and -059,
Riverside County, California

Sample ID	Potential Contaminants*			
	Chlorinated Pesticides (µg/kg)	Arsenic (mg/kg)	Petroleum Hydrocarbons (mg/kg)	VOCs (µg/kg)
S1-0.5	ND (<1.5)	1.6 J	---	---
S1-1	---	---	---	---
S2-0.5	ND (<1.5)	3.3	---	---
S2-1	---	---	---	---
S3-0.5	ND (<1.5)	10	---	---
S3-1	---	---	---	---
S4-0.5	ND (<1.5)	1.6 J	6.9	ND (<0.99)
S4-4	ND (<1.5)	2.0 J	6.6	ND (<1.0)
S4-8	---	---	---	---
S5-0.5	ND (<1.5)	3.0	7.8	ND (<0.98)
S5-4	ND (<1.5)	2.3	8.2	ND (<0.99)
S5-8	---	---	---	---
S6-0.5	ND (<1.5)	2.6	7.4	ND (<0.99)
S6-4	ND (<1.5)	2.1	6.2	ND (<1.0)
S6-8	---	---	---	---
S7-3	4,4'-DDE = 9.0 4,4'-DDT = 1.6 J	2.9	18	ND (<0.99)
S8-2	ND (<1.5)	3.3	10	ND (<0.99)
S9-4	ND (<1.5)	3.0	8.8	ND (<0.99)
S10-10	4,4'-DDE = 5.3	2.4	7.7	ND (<1.0)
Screening Levels	4,4'-DDE = 9,300 4,4'-DDT = 8,500	3 (SoCal Average = 12)	1,000	Varies

Notes:

- * Pesticide analyzed using EPA Method 8081A
- Arsenic analyzed using EPA Method 6010B
- Petroleum hydrocarbons analyzed using EPA Method 8015 (carbon chain)
- VOCs (volatile organic compounds) analyzed using EPA Method 8260B
- mg/kg Milligrams per kilogram (parts per million)
- µg/kg Micrograms per kilogram (parts per billion)
- ND Not detected above the detection limit cited
- J Compound was detected below the reporting limit, but above the detection limit

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-218856-1

TestAmerica SDG: NWC Hall Ave., and Agusa Mansa Rd.,
Jurupa Valley, CA

Client Project/Site: MA18008

For:

Black Rock Geosciences

7110 E Grovewood Lane

Orange, California 92869

Attn: Quin Kinnebrew



Authorized for release by:

9/8/2018 6:53:54 AM

Danielle Roberts, Senior Project Manager

(949)261-1022

danielle.roberts@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-218856-1	S1-0.5	Solid	08/26/18 10:12	08/27/18 10:14
440-218856-3	S2-0.5	Solid	08/26/18 10:21	08/27/18 10:14
440-218856-5	S3-0.5	Solid	08/26/18 10:01	08/27/18 10:14
440-218856-7	S4-0.5	Solid	08/26/18 10:41	08/27/18 10:14
440-218856-8	S4-4	Solid	08/26/18 10:44	08/27/18 10:14
440-218856-10	S5-0.5	Solid	08/26/18 10:57	08/27/18 10:14
440-218856-11	S5-4	Solid	08/26/18 11:05	08/27/18 10:14
440-218856-13	S6-0.5	Solid	08/26/18 10:50	08/27/18 10:14
440-218856-14	S6-4	Solid	08/26/18 10:52	08/27/18 10:14
440-218856-16	S7-3	Solid	08/26/18 09:26	08/27/18 10:14
440-218856-17	S8-2	Solid	08/26/18 09:29	08/27/18 10:14
440-218856-18	S9-4	Solid	08/26/18 09:30	08/27/18 10:14
440-218856-19	S10-10	Solid	08/26/18 09:40	08/27/18 10:14

Case Narrative

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Job ID: 440-218856-1

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-218856-1**

Comments

No additional comments.

Receipt

The samples were received on 8/27/2018 10:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081A: Surrogate recovery for the following sample was outside control limits: (440-218810-C-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and re-analysis was not performed.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-496426 and analytical batch 440-496518 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S1-0.5

Lab Sample ID: 440-218856-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.6	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S2-0.5

Lab Sample ID: 440-218856-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: S3-0.5

Lab Sample ID: 440-218856-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S4-0.5

Lab Sample ID: 440-218856-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	6.9		4.9	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	1.6	J	1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S4-4

Lab Sample ID: 440-218856-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	6.6		4.9	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	2.0	J	2.1	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S5-0.5

Lab Sample ID: 440-218856-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	7.8		4.9	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	3.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S5-4

Lab Sample ID: 440-218856-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	8.2		4.9	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	2.3		2.1	1.4	mg/Kg	1		6010B	Total/NA

Client Sample ID: S6-0.5

Lab Sample ID: 440-218856-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	7.4		4.8	2.4	mg/Kg	1		8015B	Total/NA
Arsenic	2.6		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S6-4

Lab Sample ID: 440-218856-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	6.2		5.0	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	2.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S7-3

Lab Sample ID: 440-218856-16

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Detection Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S7-3 (Continued)

Lab Sample ID: 440-218856-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	18		5.0	2.5	mg/Kg	1		8015B	Total/NA
4,4'-DDE	9.0		4.9	1.5	ug/Kg	1		8081A	Total/NA
4,4'-DDT	1.6	J	4.9	1.5	ug/Kg	1		8081A	Total/NA
Arsenic	2.9		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S8-2

Lab Sample ID: 440-218856-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	10		5.0	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	3.3		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S9-4

Lab Sample ID: 440-218856-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	8.8		5.0	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	3.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: S10-10

Lab Sample ID: 440-218856-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	7.7		5.0	2.5	mg/Kg	1		8015B	Total/NA
4,4'-DDE	5.3		5.0	1.5	ug/Kg	1		8081A	Total/NA
Arsenic	2.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S1-0.5

Date Collected: 08/26/18 10:12

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Aldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Chlordane (technical)	ND		50	10	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
delta-BHC	ND		10	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Endosulfan I	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Endrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Toxaphene	ND		200	50	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	104		45 - 120				08/28/18 17:54	08/29/18 13:20	1
Tetrachloro-m-xylene	93		35 - 115				08/28/18 17:54	08/29/18 13:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6	J	2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 13:36	1

Client Sample ID: S2-0.5

Date Collected: 08/26/18 10:21

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Chlordane (technical)	ND		49	9.9	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
cis-Chlordane	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
delta-BHC	ND		9.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S2-0.5
Date Collected: 08/26/18 10:21
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-3
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Endrin ketone	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Heptachlor	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Toxaphene	ND		200	49	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	82		45 - 120				08/28/18 17:54	08/29/18 13:05	1
Tetrachloro-m-xylene	74		35 - 115				08/28/18 17:54	08/29/18 13:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		1.9	1.2	mg/Kg		08/30/18 07:00	08/30/18 13:55	1

Client Sample ID: S3-0.5
Date Collected: 08/26/18 10:01
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-5
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Chlordane (technical)	ND		49	9.8	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
cis-Chlordane	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
delta-BHC	ND		9.8	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Endrin ketone	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Heptachlor	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
Toxaphene	ND		200	49	ug/Kg		08/28/18 17:54	08/29/18 13:50	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 13:50	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S3-0.5
Date Collected: 08/26/18 10:01
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-5
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	71		45 - 120	08/28/18 17:54	08/29/18 13:50	1
Tetrachloro-m-xylene	41		35 - 115	08/28/18 17:54	08/29/18 13:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:06	1

Client Sample ID: S4-0.5
Date Collected: 08/26/18 10:41
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,1-Dichloroethene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,2,3-Trichlorobenzene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			08/30/18 09:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 09:55	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
2-Chlorotoluene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
4-Chlorotoluene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Benzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Bromobenzene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Bromochloromethane	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 09:55	1
Bromomethane	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Carbon tetrachloride	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 09:55	1
Chloroform	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Chloromethane	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S4-0.5
Date Collected: 08/26/18 10:41
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Dibromomethane	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 09:55	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Hexachlorobutadiene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 09:55	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 09:55	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 09:55	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
o-Xylene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
sec-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Styrene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
tert-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Toluene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Trichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 09:55	1
Trichlorofluoromethane	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1
Vinyl chloride	ND		5.0	0.99	ug/Kg			08/30/18 09:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123		08/30/18 09:55	1
4-Bromofluorobenzene (Surr)	97		79 - 120		08/30/18 09:55	1
Dibromofluoromethane (Surr)	105		60 - 120		08/30/18 09:55	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 01:23	1
C23-C40	6.9		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	75		40 - 140	08/27/18 17:37	08/29/18 01:23	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Aldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Chlordane (technical)	ND		50	10	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
delta-BHC	ND		10	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S4-0.5
Date Collected: 08/26/18 10:41
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-7
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Endrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Toxaphene	ND		200	50	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	83		45 - 120				08/28/18 17:54	08/29/18 14:05	1
Tetrachloro-m-xylene	77		35 - 115				08/28/18 17:54	08/29/18 14:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6	J	1.9	1.3	mg/Kg		08/31/18 07:00	09/04/18 12:16	1

Client Sample ID: S4-4
Date Collected: 08/26/18 10:44
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			08/30/18 12:34	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 12:34	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S4-4
Date Collected: 08/26/18 10:44
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Benzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Bromobenzene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 12:34	1
Bromomethane	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 12:34	1
Chloroform	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Chloromethane	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Dibromomethane	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 12:34	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 12:34	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 12:34	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 12:34	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
o-Xylene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Styrene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Toluene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Trichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 12:34	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			08/30/18 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123		08/30/18 12:34	1
4-Bromofluorobenzene (Surr)	94		79 - 120		08/30/18 12:34	1
Dibromofluoromethane (Surr)	101		60 - 120		08/30/18 12:34	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 01:01	1
C23-C40	6.6		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 01:01	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S4-4
Date Collected: 08/26/18 10:44
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-8
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n-Octacosane</i>	82		40 - 140	08/27/18 17:37	08/29/18 01:01	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
4,4'-DDE	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
4,4'-DDT	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Aldrin	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
alpha-BHC	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
beta-BHC	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Chlordane (technical)	ND		49	9.7	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
cis-Chlordane	ND		4.9	1.9	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
delta-BHC	ND		9.7	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Dieldrin	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Endosulfan I	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Endosulfan II	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Endosulfan sulfate	ND		9.7	1.9	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Endrin	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Endrin ketone	ND		4.9	1.9	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Heptachlor	ND		4.9	1.9	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Heptachlor epoxide	ND		4.9	1.9	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Methoxychlor	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
Toxaphene	ND		190	49	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1
trans-Chlordane	ND		4.9	1.5	ug/Kg	-	08/28/18 17:54	08/29/18 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl (Surr)</i>	65		45 - 120	08/28/18 17:54	08/29/18 14:20	1
<i>Tetrachloro-m-xylene</i>	67		35 - 115	08/28/18 17:54	08/29/18 14:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	J	2.1	1.3	mg/Kg	-	08/31/18 07:00	09/04/18 12:20	1

Client Sample ID: S5-0.5
Date Collected: 08/26/18 10:57
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,1,1-Trichloroethane	ND		2.0	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,1,2-Trichloroethane	ND		2.0	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,1-Dichloroethane	ND		2.0	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,1-Dichloroethene	ND		4.9	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,1-Dichloropropene	ND		2.0	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,2,3-Trichlorobenzene	ND		4.9	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1
1,2,3-Trichloropropane	ND		9.8	0.98	ug/Kg	-	08/30/18 13:00	08/30/18 13:00	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S5-0.5
Date Collected: 08/26/18 10:57
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
1,2,4-Trimethylbenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.0	ug/Kg			08/30/18 13:00	1
1,2-Dibromoethane (EDB)	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,2-Dichlorobenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,2-Dichloroethane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,2-Dichloropropane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,3,5-Trimethylbenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,3-Dichlorobenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,3-Dichloropropane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
1,4-Dichlorobenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
2,2-Dichloropropane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
2-Chlorotoluene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
4-Chlorotoluene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Benzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Bromobenzene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Bromochloromethane	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Bromodichloromethane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Bromoform	ND		4.9	2.0	ug/Kg			08/30/18 13:00	1
Bromomethane	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Carbon tetrachloride	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Chlorobenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Chloroethane	ND		4.9	2.0	ug/Kg			08/30/18 13:00	1
Chloroform	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Chloromethane	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
cis-1,2-Dichloroethene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
cis-1,3-Dichloropropene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Dibromochloromethane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Dibromomethane	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Dichlorodifluoromethane	ND		4.9	2.0	ug/Kg			08/30/18 13:00	1
Ethylbenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Hexachlorobutadiene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Isopropylbenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
m,p-Xylene	ND		3.9	2.0	ug/Kg			08/30/18 13:00	1
Methylene Chloride	ND		20	4.9	ug/Kg			08/30/18 13:00	1
Naphthalene	ND		4.9	2.0	ug/Kg			08/30/18 13:00	1
n-Butylbenzene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
N-Propylbenzene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
o-Xylene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
p-Isopropyltoluene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
sec-Butylbenzene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Styrene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
tert-Butylbenzene	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Tetrachloroethene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Toluene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
trans-1,2-Dichloroethene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
trans-1,3-Dichloropropene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1
Trichloroethene	ND		2.0	0.98	ug/Kg			08/30/18 13:00	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S5-0.5

Lab Sample ID: 440-218856-10

Date Collected: 08/26/18 10:57

Matrix: Solid

Date Received: 08/27/18 10:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Vinyl chloride	ND		4.9	0.98	ug/Kg			08/30/18 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123					08/30/18 13:00	1
4-Bromofluorobenzene (Surr)	98		79 - 120					08/30/18 13:00	1
Dibromofluoromethane (Surr)	103		60 - 120					08/30/18 13:00	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 00:40	1
C23-C40	7.8		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	72		40 - 140				08/27/18 17:37	08/29/18 00:40	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Chlordane (technical)	ND		49	9.9	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
cis-Chlordane	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
delta-BHC	ND		9.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Endrin ketone	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Heptachlor	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Toxaphene	ND		200	49	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		45 - 120				08/28/18 17:54	08/29/18 14:35	1
Tetrachloro-m-xylene	89		35 - 115				08/28/18 17:54	08/29/18 14:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:10	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S5-4

Lab Sample ID: 440-218856-11

Date Collected: 08/26/18 11:05

Matrix: Solid

Date Received: 08/27/18 10:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,1-Dichloroethene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,2,3-Trichlorobenzene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			08/30/18 13:26	1
1,2,4-Trichlorobenzene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.0	ug/Kg			08/30/18 13:26	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
2-Chlorotoluene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
4-Chlorotoluene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Benzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Bromobenzene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Bromochloromethane	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Bromoform	ND		4.9	2.0	ug/Kg			08/30/18 13:26	1
Bromomethane	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Carbon tetrachloride	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Chloroethane	ND		4.9	2.0	ug/Kg			08/30/18 13:26	1
Chloroform	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Chloromethane	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Dibromochloromethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Dibromomethane	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Dichlorodifluoromethane	ND		4.9	2.0	ug/Kg			08/30/18 13:26	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Hexachlorobutadiene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
m,p-Xylene	ND		3.9	2.0	ug/Kg			08/30/18 13:26	1
Methylene Chloride	ND		20	4.9	ug/Kg			08/30/18 13:26	1
Naphthalene	ND		4.9	2.0	ug/Kg			08/30/18 13:26	1
n-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
o-Xylene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S5-4
Date Collected: 08/26/18 11:05
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
sec-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Styrene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
tert-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Toluene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Trichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:26	1
Trichlorofluoromethane	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Vinyl chloride	ND		4.9	0.99	ug/Kg			08/30/18 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		79 - 123					08/30/18 13:26	1
4-Bromofluorobenzene (Surr)	96		79 - 120					08/30/18 13:26	1
Dibromofluoromethane (Surr)	103		60 - 120					08/30/18 13:26	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 00:19	1
C23-C40	8.2		4.9	2.5	mg/Kg		08/27/18 17:37	08/29/18 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	81		40 - 140				08/27/18 17:37	08/29/18 00:19	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Chlordane (technical)	ND		49	9.8	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
cis-Chlordane	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
delta-BHC	ND		9.8	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Endrin ketone	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Heptachlor	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
Toxaphene	ND		200	49	ug/Kg		08/28/18 17:54	08/29/18 14:50	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 14:50	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S5-4
Date Collected: 08/26/18 11:05
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-11
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	67		45 - 120	08/28/18 17:54	08/29/18 14:50	1
Tetrachloro-m-xylene	66		35 - 115	08/28/18 17:54	08/29/18 14:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		2.1	1.4	mg/Kg		08/30/18 07:00	08/30/18 14:13	1

Client Sample ID: S6-0.5
Date Collected: 08/26/18 10:50
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,1-Dichloroethene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,2,3-Trichlorobenzene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			08/30/18 13:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 13:53	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
2-Chlorotoluene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
4-Chlorotoluene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Benzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Bromobenzene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Bromochloromethane	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 13:53	1
Bromomethane	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Carbon tetrachloride	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 13:53	1
Chloroform	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Chloromethane	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S6-0.5

Lab Sample ID: 440-218856-13

Date Collected: 08/26/18 10:50

Matrix: Solid

Date Received: 08/27/18 10:14

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Dibromomethane	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 13:53	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Hexachlorobutadiene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 13:53	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 13:53	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 13:53	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
o-Xylene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
sec-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Styrene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
tert-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Toluene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Trichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 13:53	1
Trichlorofluoromethane	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1
Vinyl chloride	ND		5.0	0.99	ug/Kg			08/30/18 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		79 - 123		08/30/18 13:53	1
4-Bromofluorobenzene (Surr)	95		79 - 120		08/30/18 13:53	1
Dibromofluoromethane (Surr)	100		60 - 120		08/30/18 13:53	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.8	2.4	mg/Kg		08/27/18 17:37	08/28/18 23:58	1
C23-C40	7.4		4.8	2.4	mg/Kg		08/27/18 17:37	08/28/18 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	81		40 - 140	08/27/18 17:37	08/28/18 23:58	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Aldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Chlordane (technical)	ND		50	9.9	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
delta-BHC	ND		9.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S6-0.5
Date Collected: 08/26/18 10:50
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-13
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Endrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Toxaphene	ND		200	50	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	83		45 - 120				08/28/18 17:54	08/29/18 15:05	1
Tetrachloro-m-xylene	70		35 - 115				08/28/18 17:54	08/29/18 15:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:17	1

Client Sample ID: S6-4
Date Collected: 08/26/18 10:52
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			08/30/18 14:19	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 14:19	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S6-4
Date Collected: 08/26/18 10:52
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Benzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Bromobenzene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 14:19	1
Bromomethane	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 14:19	1
Chloroform	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Chloromethane	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Dibromomethane	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 14:19	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 14:19	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 14:19	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 14:19	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
o-Xylene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Styrene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Toluene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Trichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 14:19	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			08/30/18 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123		08/30/18 14:19	1
4-Bromofluorobenzene (Surr)	98		79 - 120		08/30/18 14:19	1
Dibromofluoromethane (Surr)	101		60 - 120		08/30/18 14:19	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 16:57	1
C23-C40	6.2		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 16:57	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S6-4
Date Collected: 08/26/18 10:52
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-14
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane	84		40 - 140				08/28/18 06:28	08/29/18 16:57	1
Method: 8081A - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Chlordane (technical)	ND		49	9.8	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
cis-Chlordane	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
delta-BHC	ND		9.8	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Endrin ketone	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Heptachlor	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Toxaphene	ND		200	49	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		45 - 120				08/28/18 17:54	08/29/18 15:20	1
Tetrachloro- <i>m</i> -xylene	49		35 - 115				08/28/18 17:54	08/29/18 15:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:21	1

Client Sample ID: S7-3
Date Collected: 08/26/18 09:26
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,1-Dichloroethene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,2,3-Trichlorobenzene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			08/30/18 14:45	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S7-3
Date Collected: 08/26/18 09:26
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.0	ug/Kg			08/30/18 14:45	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
2-Chlorotoluene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
4-Chlorotoluene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Benzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Bromobenzene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Bromochloromethane	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Bromoform	ND		4.9	2.0	ug/Kg			08/30/18 14:45	1
Bromomethane	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Carbon tetrachloride	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Chloroethane	ND		4.9	2.0	ug/Kg			08/30/18 14:45	1
Chloroform	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Chloromethane	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Dibromochloromethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Dibromomethane	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Dichlorodifluoromethane	ND		4.9	2.0	ug/Kg			08/30/18 14:45	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Hexachlorobutadiene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 14:45	1
Methylene Chloride	ND		20	4.9	ug/Kg			08/30/18 14:45	1
Naphthalene	ND		4.9	2.0	ug/Kg			08/30/18 14:45	1
n-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
o-Xylene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
sec-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Styrene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
tert-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Toluene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1
Trichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 14:45	1

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S7-3
Date Collected: 08/26/18 09:26
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Vinyl chloride	ND		4.9	0.99	ug/Kg			08/30/18 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		79 - 123					08/30/18 14:45	1
4-Bromofluorobenzene (Surr)	106		79 - 120					08/30/18 14:45	1
Dibromofluoromethane (Surr)	104		60 - 120					08/30/18 14:45	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 20:15	1
C23-C40	18		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	80		40 - 140				08/28/18 06:28	08/29/18 20:15	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
4,4'-DDE	9.0		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
4,4'-DDT	1.6 J		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Chlordane (technical)	ND		49	9.8	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
cis-Chlordane	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
delta-BHC	ND		9.8	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Endrin ketone	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Heptachlor	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Toxaphene	ND		200	49	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	86		45 - 120				08/28/18 17:54	08/29/18 15:35	1
Tetrachloro-m-xylene	83		35 - 115				08/28/18 17:54	08/29/18 15:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:25	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S8-2

Lab Sample ID: 440-218856-17

Date Collected: 08/26/18 09:29

Matrix: Solid

Date Received: 08/27/18 10:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,1-Dichloroethene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,2,3-Trichlorobenzene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			08/30/18 15:12	1
1,2,4-Trichlorobenzene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.0	ug/Kg			08/30/18 15:12	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
2-Chlorotoluene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
4-Chlorotoluene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Benzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Bromobenzene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Bromochloromethane	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Bromoform	ND		4.9	2.0	ug/Kg			08/30/18 15:12	1
Bromomethane	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Carbon tetrachloride	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Chloroethane	ND		4.9	2.0	ug/Kg			08/30/18 15:12	1
Chloroform	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Chloromethane	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Dibromochloromethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Dibromomethane	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Dichlorodifluoromethane	ND		4.9	2.0	ug/Kg			08/30/18 15:12	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Hexachlorobutadiene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
m,p-Xylene	ND		3.9	2.0	ug/Kg			08/30/18 15:12	1
Methylene Chloride	ND		20	4.9	ug/Kg			08/30/18 15:12	1
Naphthalene	ND		4.9	2.0	ug/Kg			08/30/18 15:12	1
n-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
o-Xylene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S8-2
Date Collected: 08/26/18 09:29
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-17
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
sec-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Styrene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
tert-Butylbenzene	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Toluene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Trichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:12	1
Trichlorofluoromethane	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Vinyl chloride	ND		4.9	0.99	ug/Kg			08/30/18 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		79 - 123					08/30/18 15:12	1
4-Bromofluorobenzene (Surr)	97		79 - 120					08/30/18 15:12	1
Dibromofluoromethane (Surr)	98		60 - 120					08/30/18 15:12	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 23:06	1
C23-C40	10		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 23:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	84		40 - 140				08/28/18 06:28	08/29/18 23:06	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Aldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
alpha-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
beta-BHC	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Chlordane (technical)	ND		49	9.7	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
cis-Chlordane	ND		4.9	1.9	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
delta-BHC	ND		9.7	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Dieldrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Endosulfan I	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Endosulfan II	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Endosulfan sulfate	ND		9.7	1.9	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Endrin	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Endrin ketone	ND		4.9	1.9	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Heptachlor	ND		4.9	1.9	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Heptachlor epoxide	ND		4.9	1.9	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Methoxychlor	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
Toxaphene	ND		190	49	ug/Kg		08/28/18 17:54	08/29/18 15:50	1
trans-Chlordane	ND		4.9	1.5	ug/Kg		08/28/18 17:54	08/29/18 15:50	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S8-2
Date Collected: 08/26/18 09:29
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-17
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	82		45 - 120	08/28/18 17:54	08/29/18 15:50	1
Tetrachloro-m-xylene	82		35 - 115	08/28/18 17:54	08/29/18 15:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:28	1

Client Sample ID: S9-4
Date Collected: 08/26/18 09:30
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-18
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,1-Dichloroethene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,2,3-Trichlorobenzene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			08/30/18 15:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 15:38	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
2-Chlorotoluene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
4-Chlorotoluene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Benzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Bromobenzene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Bromochloromethane	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 15:38	1
Bromomethane	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Carbon tetrachloride	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 15:38	1
Chloroform	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Chloromethane	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S9-4
Date Collected: 08/26/18 09:30
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-18
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Dibromomethane	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 15:38	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Hexachlorobutadiene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 15:38	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 15:38	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 15:38	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
o-Xylene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
sec-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Styrene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
tert-Butylbenzene	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Toluene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Trichloroethene	ND		2.0	0.99	ug/Kg			08/30/18 15:38	1
Trichlorofluoromethane	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1
Vinyl chloride	ND		5.0	0.99	ug/Kg			08/30/18 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123		08/30/18 15:38	1
4-Bromofluorobenzene (Surr)	98		79 - 120		08/30/18 15:38	1
Dibromofluoromethane (Surr)	101		60 - 120		08/30/18 15:38	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 23:27	1
C23-C40	8.8		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	81		40 - 140	08/28/18 06:28	08/29/18 23:27	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Aldrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Chlordane (technical)	ND		50	10	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
delta-BHC	ND		10	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S9-4
Date Collected: 08/26/18 09:30
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-18
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Endrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Toxaphene	ND		200	50	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	84		45 - 120				08/29/18 17:46	08/30/18 12:15	1
Tetrachloro-m-xylene	87		35 - 115				08/29/18 17:46	08/30/18 12:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:32	1

Client Sample ID: S10-10
Date Collected: 08/26/18 09:40
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-19
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			08/30/18 16:04	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 16:04	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Client Sample ID: S10-10
Date Collected: 08/26/18 09:40
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-19
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Benzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Bromobenzene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 16:04	1
Bromomethane	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 16:04	1
Chloroform	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Chloromethane	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Dibromomethane	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 16:04	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 16:04	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 16:04	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 16:04	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
o-Xylene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Styrene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Toluene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Trichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 16:04	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			08/30/18 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123		08/30/18 16:04	1
4-Bromofluorobenzene (Surr)	97		79 - 120		08/30/18 16:04	1
Dibromofluoromethane (Surr)	103		60 - 120		08/30/18 16:04	1

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 23:48	1
C23-C40	7.7		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 23:48	1

TestAmerica Irvine

Client Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S10-10
Date Collected: 08/26/18 09:40
Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-19
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane	78		40 - 140				08/28/18 06:28	08/29/18 23:48	1
Method: 8081A - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
4,4'-DDE	5.3		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Aldrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Chlordane (technical)	ND		50	9.9	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
delta-BHC	ND		9.9	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Endosulfan I	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Endrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Toxaphene	ND		200	50	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		45 - 120				08/29/18 17:46	08/30/18 12:00	1
Tetrachloro- <i>m</i> -xylene	54		35 - 115				08/29/18 17:46	08/30/18 12:00	1
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 14:36	1

Surrogate Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TOL (79-123)	BFB (79-120)	DBFM (60-120)
440-218856-7	S4-0.5	106	97	105
440-218856-7 MS	S4-0.5	101	92	104
440-218856-7 MSD	S4-0.5	100	97	106
440-218856-8	S4-4	106	94	101
440-218856-10	S5-0.5	107	98	103
440-218856-11	S5-4	105	96	103
440-218856-13	S6-0.5	105	95	100
440-218856-14	S6-4	107	98	101
440-218856-16	S7-3	109	106	104
440-218856-17	S8-2	105	97	98
440-218856-18	S9-4	106	98	101
440-218856-19	S10-10	107	97	103
LCS 440-496484/5	Lab Control Sample	99	91	104
MB 440-496484/4	Method Blank	105	93	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCN1 (40-140)
440-218833-B-10-A MS	Matrix Spike	74
440-218833-B-10-B MSD	Matrix Spike Duplicate	74
440-218856-7	S4-0.5	75
440-218856-8	S4-4	82
440-218856-10	S5-0.5	72
440-218856-11	S5-4	81
440-218856-13	S6-0.5	81
440-218856-14	S6-4	84
440-218856-14 MS	S6-4	76
440-218856-14 MSD	S6-4	79
440-218856-16	S7-3	80
440-218856-17	S8-2	84
440-218856-18	S9-4	81
440-218856-19	S10-10	78
LCS 440-495956/2-A	Lab Control Sample	67
LCS 440-496009/2-A	Lab Control Sample	82
MB 440-495956/1-A	Method Blank	74
MB 440-496009/1-A	Method Blank	87

Surrogate Legend

OTCN = n-Octacosane

Surrogate Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (45-120)	TCX2 (35-115)
440-218856-1	S1-0.5	104	93
440-218856-3	S2-0.5	82	74
440-218856-5	S3-0.5	71	41
440-218856-7	S4-0.5	83	77
440-218856-8	S4-4	65	67
440-218856-10	S5-0.5	97	89
440-218856-11	S5-4	67	66
440-218856-13	S6-0.5	83	70
440-218856-14	S6-4	87	49
440-218856-16	S7-3	86	83
440-218856-17	S8-2	82	82
440-218856-18	S9-4	84	87
440-218856-19	S10-10	63	54
440-218866-A-1-A MS	Matrix Spike	63	56
440-218866-A-1-B MSD	Matrix Spike Duplicate	61	52
LCS 440-496211/2-A	Lab Control Sample	94	86
LCS 440-496426/2-A	Lab Control Sample	84	80
MB 440-496211/1-A	Method Blank	94	88
MB 440-496426/1-A	Method Blank	86	81

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Diesel Range Organics(DRO)/Oil Range Organics (ORO)	SW846	TAL IRV
8081A	Organochlorine Pesticides (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL IRV
5030B	Purge and Trap	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S1-0.5

Date Collected: 08/26/18 10:12

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 13:20	D1D	TAL IRV
Total/NA	Prep	3050B			1.02 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 13:36	CJH	TAL SAC

Client Sample ID: S2-0.5

Date Collected: 08/26/18 10:21

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 13:05	D1D	TAL IRV
Total/NA	Prep	3050B			1.05 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 13:55	CJH	TAL SAC

Client Sample ID: S3-0.5

Date Collected: 08/26/18 10:01

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.32 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 13:50	D1D	TAL IRV
Total/NA	Prep	3050B			0.99 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:06	CJH	TAL SAC

Client Sample ID: S4-0.5

Date Collected: 08/26/18 10:41

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	496484	08/30/18 09:55	AYL	TAL IRV
Total/NA	Prep	3546			15.25 g	1 mL	495956	08/27/18 17:37	VA	TAL IRV
Total/NA	Analysis	8015B		1			496108	08/29/18 01:23	LMB	TAL IRV
Total/NA	Prep	3546			15.04 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 14:05	D1D	TAL IRV
Total/NA	Prep	3050B			1.03 g	100 mL	243312	08/31/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243861	09/04/18 12:16	CJH	TAL SAC

Lab Chronicle

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S4-4

Date Collected: 08/26/18 10:44

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.02 g	10 mL	496484	08/30/18 12:34	AYL	TAL IRV
Total/NA	Prep	3546			15.17 g	1 mL	495956	08/27/18 17:37	VA	TAL IRV
Total/NA	Analysis	8015B		1			496108	08/29/18 01:01	LMB	TAL IRV
Total/NA	Prep	3546			15.44 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 14:20	D1D	TAL IRV
Total/NA	Prep	3050B			0.97 g	100 mL	243312	08/31/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243861	09/04/18 12:20	CJH	TAL SAC

Client Sample ID: S5-0.5

Date Collected: 08/26/18 10:57

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.08 g	10 mL	496484	08/30/18 13:00	AYL	TAL IRV
Total/NA	Prep	3546			15.26 g	1 mL	495956	08/27/18 17:37	VA	TAL IRV
Total/NA	Analysis	8015B		1			496108	08/29/18 00:40	LMB	TAL IRV
Total/NA	Prep	3546			15.21 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 14:35	D1D	TAL IRV
Total/NA	Prep	3050B			0.98 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:10	CJH	TAL SAC

Client Sample ID: S5-4

Date Collected: 08/26/18 11:05

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.07 g	10 mL	496484	08/30/18 13:26	AYL	TAL IRV
Total/NA	Prep	3546			15.22 g	1 mL	495956	08/27/18 17:37	VA	TAL IRV
Total/NA	Analysis	8015B		1			496108	08/29/18 00:19	LMB	TAL IRV
Total/NA	Prep	3546			15.37 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 14:50	D1D	TAL IRV
Total/NA	Prep	3050B			0.96 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:13	CJH	TAL SAC

Client Sample ID: S6-0.5

Date Collected: 08/26/18 10:50

Date Received: 08/27/18 10:14

Lab Sample ID: 440-218856-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.04 g	10 mL	496484	08/30/18 13:53	AYL	TAL IRV
Total/NA	Prep	3546			15.47 g	1 mL	495956	08/27/18 17:37	VA	TAL IRV
Total/NA	Analysis	8015B		1			496108	08/28/18 23:58	LMB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S6-0.5

Lab Sample ID: 440-218856-13

Date Collected: 08/26/18 10:50

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.13 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 15:05	D1D	TAL IRV
Total/NA	Prep	3050B			1.00 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:17	CJH	TAL SAC

Client Sample ID: S6-4

Lab Sample ID: 440-218856-14

Date Collected: 08/26/18 10:52

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 g	10 mL	496484	08/30/18 14:19	AYL	TAL IRV
Total/NA	Prep	3546			15.01 g	1 mL	496009	08/28/18 06:28	FTD	TAL IRV
Total/NA	Analysis	8015B		1			496380	08/29/18 16:57	LMB	TAL IRV
Total/NA	Prep	3546			15.37 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 15:20	D1D	TAL IRV
Total/NA	Prep	3050B			0.99 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:21	CJH	TAL SAC

Client Sample ID: S7-3

Lab Sample ID: 440-218856-16

Date Collected: 08/26/18 09:26

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.06 g	10 mL	496484	08/30/18 14:45	AYL	TAL IRV
Total/NA	Prep	3546			15.00 g	1 mL	496009	08/28/18 06:28	FTD	TAL IRV
Total/NA	Analysis	8015B		1			496380	08/29/18 20:15	LMB	TAL IRV
Total/NA	Prep	3546			15.24 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 15:35	D1D	TAL IRV
Total/NA	Prep	3050B			0.99 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:25	CJH	TAL SAC

Client Sample ID: S8-2

Lab Sample ID: 440-218856-17

Date Collected: 08/26/18 09:29

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.07 g	10 mL	496484	08/30/18 15:12	AYL	TAL IRV
Total/NA	Prep	3546			15.00 g	1 mL	496009	08/28/18 06:28	FTD	TAL IRV
Total/NA	Analysis	8015B		1			496380	08/29/18 23:06	LMB	TAL IRV
Total/NA	Prep	3546			15.42 g	2 mL	496211	08/28/18 17:54	VA	TAL IRV
Total/NA	Analysis	8081A		1			496323	08/29/18 15:50	D1D	TAL IRV
Total/NA	Prep	3050B			1.01 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC

TestAmerica Irvine

Lab Chronicle

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Client Sample ID: S8-2

Lab Sample ID: 440-218856-17

Date Collected: 08/26/18 09:29

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1			243199	08/30/18 14:28	CJH	TAL SAC

Client Sample ID: S9-4

Lab Sample ID: 440-218856-18

Date Collected: 08/26/18 09:30

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.05 g	10 mL	496484	08/30/18 15:38	AYL	TAL IRV
Total/NA	Prep	3546			15.00 g	1 mL	496009	08/28/18 06:28	FTD	TAL IRV
Total/NA	Analysis	8015B		1			496380	08/29/18 23:27	LMB	TAL IRV
Total/NA	Prep	3546			15.04 g	2 mL	496426	08/29/18 17:46	VA	TAL IRV
Total/NA	Analysis	8081A		1			496520	08/30/18 12:15	D1D	TAL IRV
Total/NA	Prep	3050B			1.02 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:32	CJH	TAL SAC

Client Sample ID: S10-10

Lab Sample ID: 440-218856-19

Date Collected: 08/26/18 09:40

Matrix: Solid

Date Received: 08/27/18 10:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	4.99 g	10 mL	496484	08/30/18 16:04	AYL	TAL IRV
Total/NA	Prep	3546			15.00 g	1 mL	496009	08/28/18 06:28	FTD	TAL IRV
Total/NA	Analysis	8015B		1			496380	08/29/18 23:48	LMB	TAL IRV
Total/NA	Prep	3546			15.08 g	2 mL	496426	08/29/18 17:46	VA	TAL IRV
Total/NA	Analysis	8081A		1			496520	08/30/18 12:00	D1D	TAL IRV
Total/NA	Prep	3050B			1.01 g	100 mL	243050	08/30/18 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			243199	08/30/18 14:36	CJH	TAL SAC

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-496484/4
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			08/30/18 08:34	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			08/30/18 08:34	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Benzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Bromobenzene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Bromoform	ND		5.0	2.0	ug/Kg			08/30/18 08:34	1
Bromomethane	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Chloroethane	ND		5.0	2.0	ug/Kg			08/30/18 08:34	1
Chloroform	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Chloromethane	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Dibromomethane	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			08/30/18 08:34	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			08/30/18 08:34	1
Methylene Chloride	ND		20	5.0	ug/Kg			08/30/18 08:34	1
Naphthalene	ND		5.0	2.0	ug/Kg			08/30/18 08:34	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-496484/4
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Styrene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Toluene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Trichloroethene	ND		2.0	1.0	ug/Kg			08/30/18 08:34	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			08/30/18 08:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		79 - 123		08/30/18 08:34	1
4-Bromofluorobenzene (Surr)	93		79 - 120		08/30/18 08:34	1
Dibromofluoromethane (Surr)	105		60 - 120		08/30/18 08:34	1

Lab Sample ID: LCS 440-496484/5
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	70 - 130
1,1,1-Trichloroethane	50.0	46.7		ug/Kg		93	65 - 135
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/Kg		94	55 - 140
1,1,1,2-Trichloroethane	50.0	52.1		ug/Kg		104	65 - 135
1,1-Dichloroethane	50.0	48.2		ug/Kg		96	70 - 130
1,1-Dichloroethene	50.0	44.2		ug/Kg		88	70 - 125
1,1-Dichloropropene	50.0	43.7		ug/Kg		87	70 - 130
1,2,3-Trichlorobenzene	50.0	54.5		ug/Kg		109	60 - 130
1,2,3-Trichloropropane	50.0	47.2		ug/Kg		94	60 - 135
1,2,4-Trichlorobenzene	50.0	54.2		ug/Kg		108	70 - 135
1,2,4-Trimethylbenzene	50.0	47.7		ug/Kg		95	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	44.1		ug/Kg		88	50 - 135
1,2-Dibromoethane (EDB)	50.0	52.3		ug/Kg		105	70 - 130
1,2-Dichlorobenzene	50.0	54.0		ug/Kg		108	75 - 120
1,2-Dichloroethane	50.0	49.1		ug/Kg		98	60 - 140
1,2-Dichloropropane	50.0	51.7		ug/Kg		103	70 - 130
1,3,5-Trimethylbenzene	50.0	48.0		ug/Kg		96	70 - 125
1,3-Dichlorobenzene	50.0	52.1		ug/Kg		104	75 - 125
1,3-Dichloropropane	50.0	50.3		ug/Kg		101	70 - 125
1,4-Dichlorobenzene	50.0	52.0		ug/Kg		104	75 - 120
2,2-Dichloropropane	50.0	46.3		ug/Kg		93	60 - 145
2-Chlorotoluene	50.0	46.9		ug/Kg		94	70 - 125
4-Chlorotoluene	50.0	47.6		ug/Kg		95	75 - 125
Benzene	50.0	49.1		ug/Kg		98	65 - 120

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-496484/5
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	48.0		ug/Kg		96	75 - 120
Bromochloromethane	50.0	54.5		ug/Kg		109	70 - 135
Bromodichloromethane	50.0	53.2		ug/Kg		106	70 - 135
Bromoform	50.0	56.4		ug/Kg		113	55 - 135
Bromomethane	50.0	36.5		ug/Kg		73	60 - 145
Carbon tetrachloride	50.0	45.1		ug/Kg		90	65 - 140
Chlorobenzene	50.0	50.6		ug/Kg		101	75 - 120
Chloroethane	50.0	39.7		ug/Kg		79	60 - 140
Chloroform	50.0	51.1		ug/Kg		102	70 - 130
Chloromethane	50.0	29.0		ug/Kg		58	45 - 145
cis-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	70 - 125
cis-1,3-Dichloropropene	50.0	50.6		ug/Kg		101	75 - 125
Dibromochloromethane	50.0	55.2		ug/Kg		110	65 - 140
Dibromomethane	50.0	47.5		ug/Kg		95	70 - 130
Dichlorodifluoromethane	50.0	20.6		ug/Kg		41	35 - 160
Ethylbenzene	50.0	50.7		ug/Kg		101	70 - 125
Hexachlorobutadiene	50.0	48.1		ug/Kg		96	60 - 135
Isopropylbenzene	50.0	51.5		ug/Kg		103	75 - 130
m,p-Xylene	50.0	49.3		ug/Kg		99	70 - 125
Methylene Chloride	50.0	44.8		ug/Kg		90	55 - 135
Naphthalene	50.0	55.9		ug/Kg		112	55 - 135
n-Butylbenzene	50.0	47.7		ug/Kg		95	70 - 130
N-Propylbenzene	50.0	46.6		ug/Kg		93	70 - 130
o-Xylene	50.0	49.5		ug/Kg		99	70 - 125
p-Isopropyltoluene	50.0	49.2		ug/Kg		98	75 - 125
sec-Butylbenzene	50.0	46.6		ug/Kg		93	70 - 125
Styrene	50.0	50.8		ug/Kg		102	75 - 130
tert-Butylbenzene	50.0	48.6		ug/Kg		97	70 - 125
Tetrachloroethene	50.0	49.0		ug/Kg		98	70 - 125
Toluene	50.0	52.3		ug/Kg		105	70 - 125
trans-1,2-Dichloroethene	50.0	46.9		ug/Kg		94	70 - 125
trans-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	70 - 135
Trichloroethene	50.0	49.8		ug/Kg		100	70 - 125
Trichlorofluoromethane	50.0	38.9		ug/Kg		78	60 - 145
Vinyl chloride	50.0	27.9		ug/Kg		56	55 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	99		79 - 123
4-Bromofluorobenzene (Surr)	91		79 - 120
Dibromofluoromethane (Surr)	104		60 - 120

Lab Sample ID: 440-218856-7 MS
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: S4-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.6	55.6		ug/Kg		112	65 - 145

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-218856-7 MS

Matrix: Solid

Analysis Batch: 496484

Client Sample ID: S4-0.5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		49.6	48.3		ug/Kg		97	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.6	50.5		ug/Kg		102	40 - 160
1,1,2-Trichloroethane	ND		49.6	57.1		ug/Kg		115	65 - 140
1,1-Dichloroethane	ND		49.6	50.6		ug/Kg		102	65 - 135
1,1-Dichloroethene	ND		49.6	48.0		ug/Kg		97	65 - 135
1,1-Dichloropropene	ND		49.6	44.0		ug/Kg		89	65 - 135
1,2,3-Trichlorobenzene	ND		49.6	50.2		ug/Kg		101	45 - 145
1,2,3-Trichloropropane	ND		49.6	51.1		ug/Kg		103	50 - 150
1,2,4-Trichlorobenzene	ND		49.6	51.0		ug/Kg		103	50 - 140
1,2,4-Trimethylbenzene	ND		49.6	48.5		ug/Kg		98	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.6	48.3		ug/Kg		97	40 - 150
1,2-Dibromoethane (EDB)	ND		49.6	57.8		ug/Kg		116	65 - 140
1,2-Dichlorobenzene	ND		49.6	55.1		ug/Kg		111	70 - 130
1,2-Dichloroethane	ND		49.6	51.8		ug/Kg		104	60 - 150
1,2-Dichloropropane	ND		49.6	52.7		ug/Kg		106	65 - 130
1,3,5-Trimethylbenzene	ND		49.6	47.5		ug/Kg		96	65 - 135
1,3-Dichlorobenzene	ND		49.6	53.4		ug/Kg		108	70 - 130
1,3-Dichloropropane	ND		49.6	55.6		ug/Kg		112	65 - 140
1,4-Dichlorobenzene	ND		49.6	52.9		ug/Kg		107	70 - 130
2,2-Dichloropropane	ND		49.6	49.7		ug/Kg		100	65 - 150
2-Chlorotoluene	ND		49.6	47.6		ug/Kg		96	60 - 135
4-Chlorotoluene	ND		49.6	49.0		ug/Kg		99	65 - 135
Benzene	ND		49.6	49.4		ug/Kg		100	65 - 130
Bromobenzene	ND		49.6	50.9		ug/Kg		103	65 - 140
Bromochloromethane	ND		49.6	56.3		ug/Kg		113	65 - 145
Bromodichloromethane	ND		49.6	53.7		ug/Kg		108	65 - 145
Bromoform	ND		49.6	59.7		ug/Kg		120	50 - 145
Bromomethane	ND		49.6	44.4		ug/Kg		90	60 - 155
Carbon tetrachloride	ND		49.6	46.5		ug/Kg		94	60 - 145
Chlorobenzene	ND		49.6	52.0		ug/Kg		105	70 - 130
Chloroethane	ND		49.6	46.1		ug/Kg		93	60 - 150
Chloroform	ND		49.6	51.5		ug/Kg		104	65 - 135
Chloromethane	ND		49.6	38.1		ug/Kg		77	40 - 145
cis-1,2-Dichloroethene	ND		49.6	53.0		ug/Kg		107	65 - 135
cis-1,3-Dichloropropene	ND		49.6	54.6		ug/Kg		110	70 - 135
Dibromochloromethane	ND		49.6	58.9		ug/Kg		119	60 - 145
Dibromomethane	ND		49.6	50.9		ug/Kg		103	65 - 140
Dichlorodifluoromethane	ND		49.6	28.2		ug/Kg		57	30 - 160
Ethylbenzene	ND		49.6	51.3		ug/Kg		103	70 - 135
Hexachlorobutadiene	ND		49.6	41.3		ug/Kg		83	50 - 145
Isopropylbenzene	ND		49.6	50.7		ug/Kg		102	70 - 145
m,p-Xylene	ND		49.6	49.4		ug/Kg		100	70 - 130
Methylene Chloride	ND		49.6	49.0		ug/Kg		99	55 - 145
Naphthalene	ND		49.6	57.3		ug/Kg		116	40 - 150
n-Butylbenzene	ND		49.6	46.0		ug/Kg		93	55 - 145
N-Propylbenzene	ND		49.6	47.0		ug/Kg		95	65 - 140
o-Xylene	ND		49.6	50.7		ug/Kg		102	65 - 130

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-218856-7 MS
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: S4-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		49.6	48.3		ug/Kg		97	60 - 140
sec-Butylbenzene	ND		49.6	44.8		ug/Kg		90	60 - 135
Styrene	ND		49.6	51.8		ug/Kg		104	70 - 140
tert-Butylbenzene	ND		49.6	48.1		ug/Kg		97	60 - 140
Tetrachloroethene	ND		49.6	50.1		ug/Kg		101	65 - 135
Toluene	ND		49.6	54.1		ug/Kg		109	70 - 130
trans-1,2-Dichloroethene	ND		49.6	50.3		ug/Kg		101	70 - 135
trans-1,3-Dichloropropene	ND		49.6	54.3		ug/Kg		109	60 - 145
Trichloroethene	ND		49.6	51.9		ug/Kg		105	65 - 140
Trichlorofluoromethane	ND		49.6	45.4		ug/Kg		92	55 - 155
Vinyl chloride	ND		49.6	35.6		ug/Kg		72	55 - 140

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Toluene-d8 (Surr)	101		79 - 123
4-Bromofluorobenzene (Surr)	92		79 - 120
Dibromofluoromethane (Surr)	104		60 - 120

Lab Sample ID: 440-218856-7 MSD
Matrix: Solid
Analysis Batch: 496484

Client Sample ID: S4-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.5	53.8		ug/Kg		109	65 - 145	3	20
1,1,1-Trichloroethane	ND		49.5	48.1		ug/Kg		97	65 - 145	1	20
1,1,1,2,2-Tetrachloroethane	ND		49.5	50.0		ug/Kg		101	40 - 160	1	30
1,1,1,2-Trichloroethane	ND		49.5	57.0		ug/Kg		115	65 - 140	0	30
1,1-Dichloroethane	ND		49.5	50.0		ug/Kg		101	65 - 135	1	25
1,1-Dichloroethene	ND		49.5	47.5		ug/Kg		96	65 - 135	1	25
1,1-Dichloropropene	ND		49.5	44.1		ug/Kg		89	65 - 135	0	20
1,2,3-Trichlorobenzene	ND		49.5	46.8		ug/Kg		95	45 - 145	7	30
1,2,3-Trichloropropane	ND		49.5	56.8		ug/Kg		115	50 - 150	11	30
1,2,4-Trichlorobenzene	ND		49.5	47.4		ug/Kg		96	50 - 140	7	30
1,2,4-Trimethylbenzene	ND		49.5	48.3		ug/Kg		97	65 - 140	1	25
1,2-Dibromo-3-Chloropropane	ND		49.5	49.4		ug/Kg		100	40 - 150	2	30
1,2-Dibromoethane (EDB)	ND		49.5	56.4		ug/Kg		114	65 - 140	2	25
1,2-Dichlorobenzene	ND		49.5	55.4		ug/Kg		112	70 - 130	1	25
1,2-Dichloroethane	ND		49.5	53.3		ug/Kg		108	60 - 150	3	25
1,2-Dichloropropane	ND		49.5	53.1		ug/Kg		107	65 - 130	1	20
1,3,5-Trimethylbenzene	ND		49.5	48.0		ug/Kg		97	65 - 135	1	25
1,3-Dichlorobenzene	ND		49.5	52.9		ug/Kg		107	70 - 130	1	25
1,3-Dichloropropane	ND		49.5	54.5		ug/Kg		110	65 - 140	2	25
1,4-Dichlorobenzene	ND		49.5	53.5		ug/Kg		108	70 - 130	1	25
2,2-Dichloropropane	ND		49.5	48.9		ug/Kg		99	65 - 150	1	25
2-Chlorotoluene	ND		49.5	48.8		ug/Kg		98	60 - 135	2	25
4-Chlorotoluene	ND		49.5	50.3		ug/Kg		102	65 - 135	3	25
Benzene	ND		49.5	49.7		ug/Kg		100	65 - 130	1	20
Bromobenzene	ND		49.5	53.0		ug/Kg		107	65 - 140	4	25

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-218856-7 MSD

Client Sample ID: S4-0.5

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 496484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromochloromethane	ND		49.5	56.8		ug/Kg		115	65 - 145	1	25
Bromodichloromethane	ND		49.5	54.0		ug/Kg		109	65 - 145	0	20
Bromoform	ND		49.5	59.2		ug/Kg		120	50 - 145	1	30
Bromomethane	ND		49.5	44.5		ug/Kg		90	60 - 155	0	25
Carbon tetrachloride	ND		49.5	46.0		ug/Kg		93	60 - 145	1	25
Chlorobenzene	ND		49.5	51.1		ug/Kg		103	70 - 130	2	25
Chloroethane	ND		49.5	48.1		ug/Kg		97	60 - 150	4	25
Chloroform	ND		49.5	51.4		ug/Kg		104	65 - 135	0	20
Chloromethane	ND		49.5	39.4		ug/Kg		80	40 - 145	3	25
cis-1,2-Dichloroethene	ND		49.5	53.6		ug/Kg		108	65 - 135	1	25
cis-1,3-Dichloropropene	ND		49.5	52.1		ug/Kg		105	70 - 135	5	25
Dibromochloromethane	ND		49.5	58.1		ug/Kg		117	60 - 145	1	25
Dibromomethane	ND		49.5	50.1		ug/Kg		101	65 - 140	2	25
Dichlorodifluoromethane	ND		49.5	26.2		ug/Kg		53	30 - 160	7	35
Ethylbenzene	ND		49.5	50.4		ug/Kg		102	70 - 135	2	25
Hexachlorobutadiene	ND		49.5	33.5		ug/Kg		68	50 - 145	21	35
Isopropylbenzene	ND		49.5	48.2		ug/Kg		97	70 - 145	5	25
m,p-Xylene	ND		49.5	49.0		ug/Kg		99	70 - 130	1	25
Methylene Chloride	ND		49.5	47.9		ug/Kg		97	55 - 145	2	25
Naphthalene	ND		49.5	57.5		ug/Kg		116	40 - 150	0	40
n-Butylbenzene	ND		49.5	41.7		ug/Kg		84	55 - 145	10	30
N-Propylbenzene	ND		49.5	46.7		ug/Kg		94	65 - 140	1	25
o-Xylene	ND		49.5	49.0		ug/Kg		99	65 - 130	3	25
p-Isopropyltoluene	ND		49.5	45.6		ug/Kg		92	60 - 140	6	25
sec-Butylbenzene	ND		49.5	42.5		ug/Kg		86	60 - 135	5	25
Styrene	ND		49.5	50.5		ug/Kg		102	70 - 140	3	25
tert-Butylbenzene	ND		49.5	46.9		ug/Kg		95	60 - 140	2	25
Tetrachloroethene	ND		49.5	46.8		ug/Kg		95	65 - 135	7	25
Toluene	ND		49.5	53.8		ug/Kg		109	70 - 130	1	20
trans-1,2-Dichloroethene	ND		49.5	50.8		ug/Kg		103	70 - 135	1	25
trans-1,3-Dichloropropene	ND		49.5	53.7		ug/Kg		108	60 - 145	1	25
Trichloroethene	ND		49.5	52.6		ug/Kg		106	65 - 140	1	25
Trichlorofluoromethane	ND		49.5	45.2		ug/Kg		91	55 - 155	0	25
Vinyl chloride	ND		49.5	35.3		ug/Kg		71	55 - 140	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	100		79 - 123
4-Bromofluorobenzene (Surr)	97		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Lab Sample ID: MB 440-495956/1-A
Matrix: Solid
Analysis Batch: 496108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495956

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C13-C22	ND		5.0	2.5	mg/Kg		08/27/18 17:37	08/28/18 11:44	1
C23-C40	ND		5.0	2.5	mg/Kg		08/27/18 17:37	08/28/18 11:44	1
Surrogate		MB MB		Limits			Prepared	Analyzed	Dil Fac
		%Recovery	Qualifier						
<i>n</i> -Octacosane		74		40 - 140			08/27/18 17:37	08/28/18 11:44	1

Lab Sample ID: LCS 440-495956/2-A
Matrix: Solid
Analysis Batch: 496108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495956

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
C10-C28	66.7	43.9		mg/Kg		66	45 - 115
Surrogate		LCS LCS				%Rec.	Limits
		%Recovery	Qualifier				
<i>n</i> -Octacosane		67				40 - 140	

Lab Sample ID: 440-218833-B-10-A MS
Matrix: Solid
Analysis Batch: 496108

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 495956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
C10-C28	17		66.4	69.9		mg/Kg		80	40 - 120
Surrogate		MS MS						%Rec.	Limits
		%Recovery	Qualifier						
<i>n</i> -Octacosane		74						40 - 140	

Lab Sample ID: 440-218833-B-10-B MSD
Matrix: Solid
Analysis Batch: 496108

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 495956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
C10-C28	17		64.9	67.0		mg/Kg		77	40 - 120	4	30
Surrogate		MSD MSD						%Rec.	Limits	RPD	Limit
		%Recovery	Qualifier								
<i>n</i> -Octacosane		74						40 - 140			

Lab Sample ID: MB 440-496009/1-A
Matrix: Solid
Analysis Batch: 496380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496009

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C13-C22	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 16:14	1
C23-C40	ND		5.0	2.5	mg/Kg		08/28/18 06:28	08/29/18 16:14	1

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO) (Continued)

Lab Sample ID: MB 440-496009/1-A
Matrix: Solid
Analysis Batch: 496380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496009

Surrogate	MB MB %Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane	87		40 - 140	08/28/18 06:28	08/29/18 16:14	1

Lab Sample ID: LCS 440-496009/2-A
Matrix: Solid
Analysis Batch: 496380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
C10-C28	66.7	56.1		mg/Kg		84	45 - 115
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>n</i> -Octacosane	82		40 - 140				

Lab Sample ID: 440-218856-14 MS
Matrix: Solid
Analysis Batch: 496380

Client Sample ID: S6-4
Prep Type: Total/NA
Prep Batch: 496009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
C10-C28	2.6	J	66.6	52.0		mg/Kg		74	40 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
<i>n</i> -Octacosane	76		40 - 140						

Lab Sample ID: 440-218856-14 MSD
Matrix: Solid
Analysis Batch: 496380

Client Sample ID: S6-4
Prep Type: Total/NA
Prep Batch: 496009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	2.6	J	66.6	53.9		mg/Kg		77	40 - 120	4	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>n</i> -Octacosane	79		40 - 140								

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-496211/1-A
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496211

Analyte	MB MB Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Aldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Chlordane (technical)	ND		50	10	ug/Kg		08/28/18 17:54	08/29/18 11:35	1

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 440-496211/1-A
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
delta-BHC	ND		10	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Endosulfan I	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Endrin	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
Toxaphene	ND		200	50	ug/Kg		08/28/18 17:54	08/29/18 11:35	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/28/18 17:54	08/29/18 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	94		45 - 120	08/28/18 17:54	08/29/18 11:35	1
Tetrachloro-m-xylene	88		35 - 115	08/28/18 17:54	08/29/18 11:35	1

Lab Sample ID: LCS 440-496211/2-A
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496211

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	13.3	12.2		ug/Kg		91	59 - 118
4,4'-DDE	13.3	12.0		ug/Kg		90	55 - 115
4,4'-DDT	13.3	13.2		ug/Kg		99	51 - 131
Aldrin	13.3	11.7		ug/Kg		88	46 - 115
alpha-BHC	13.3	11.7		ug/Kg		88	38 - 115
beta-BHC	13.3	11.6		ug/Kg		87	46 - 115
cis-Chlordane	13.3	11.8		ug/Kg		88	56 - 115
delta-BHC	13.3	12.1		ug/Kg		91	52 - 115
Dieldrin	13.3	12.1		ug/Kg		90	57 - 115
Endosulfan I	13.3	12.2		ug/Kg		92	56 - 115
Endosulfan II	13.3	12.6		ug/Kg		94	49 - 117
Endosulfan sulfate	13.3	12.6		ug/Kg		94	54 - 115
Endrin	13.3	12.5		ug/Kg		93	56 - 120
Endrin aldehyde	13.3	11.8		ug/Kg		88	41 - 115
Endrin ketone	13.3	12.7		ug/Kg		95	54 - 119
gamma-BHC (Lindane)	13.3	11.7		ug/Kg		87	49 - 115
Heptachlor	13.3	11.7		ug/Kg		87	52 - 115
Heptachlor epoxide	13.3	11.8		ug/Kg		88	38 - 128
Methoxychlor	13.3	12.9		ug/Kg		97	46 - 146
trans-Chlordane	13.3	12.1		ug/Kg		91	32 - 143

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-496211/2-A
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496211

	LCS	LCS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>DCB Decachlorobiphenyl (Surr)</i>	94		45 - 120
<i>Tetrachloro-m-xylene</i>	86		35 - 115

Lab Sample ID: 440-218866-A-1-A MS
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 496211

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
				Result	Qualifier				
4,4'-DDD	ND		13.3	8.05		ug/Kg		61	40 - 130
4,4'-DDE	ND		13.3	8.03		ug/Kg		61	35 - 130
4,4'-DDT	ND		13.3	8.41		ug/Kg		63	35 - 130
Aldrin	ND		13.3	7.99		ug/Kg		60	40 - 115
alpha-BHC	ND		13.3	7.72		ug/Kg		58	40 - 115
beta-BHC	ND		13.3	7.86		ug/Kg		59	40 - 120
cis-Chlordane	ND		13.3	7.56		ug/Kg		57	50 - 115
delta-BHC	ND		13.3	8.08	J	ug/Kg		61	45 - 120
Dieldrin	ND		13.3	8.37		ug/Kg		63	40 - 125
Endosulfan I	ND		13.3	8.34		ug/Kg		63	40 - 120
Endosulfan II	ND		13.3	8.44		ug/Kg		64	40 - 125
Endosulfan sulfate	ND		13.3	8.59	J	ug/Kg		65	45 - 120
Endrin	ND		13.3	8.57		ug/Kg		65	45 - 125
Endrin aldehyde	ND		13.3	7.83		ug/Kg		59	30 - 120
Endrin ketone	ND		13.3	8.46		ug/Kg		64	40 - 120
gamma-BHC (Lindane)	ND		13.3	7.80		ug/Kg		59	40 - 120
Heptachlor	ND		13.3	7.95		ug/Kg		60	40 - 115
Heptachlor epoxide	ND		13.3	8.17		ug/Kg		62	45 - 115
Methoxychlor	ND		13.3	8.83		ug/Kg		67	40 - 135
trans-Chlordane	ND		13.3	8.24		ug/Kg		62	50 - 115

	MS	MS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>DCB Decachlorobiphenyl (Surr)</i>	63		45 - 120
<i>Tetrachloro-m-xylene</i>	56		35 - 115

Lab Sample ID: 440-218866-A-1-B MSD
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 496211

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	
				Result	Qualifier					RPD	Limit
4,4'-DDD	ND		13.1	7.84		ug/Kg		60	40 - 130	3	30
4,4'-DDE	ND		13.1	7.77		ug/Kg		59	35 - 130	3	30
4,4'-DDT	ND		13.1	8.03		ug/Kg		61	35 - 130	5	30
Aldrin	ND		13.1	7.80		ug/Kg		59	40 - 115	2	30
alpha-BHC	ND		13.1	7.43		ug/Kg		57	40 - 115	4	30
beta-BHC	ND		13.1	7.71		ug/Kg		59	40 - 120	2	30
cis-Chlordane	ND		13.1	7.52		ug/Kg		57	50 - 115	1	30
delta-BHC	ND		13.1	7.96	J	ug/Kg		61	45 - 120	1	30
Dieldrin	ND		13.1	8.08		ug/Kg		62	40 - 125	4	30

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-218866-A-1-B MSD
Matrix: Solid
Analysis Batch: 496323

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 496211

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Endosulfan I	ND		13.1	8.09		ug/Kg		62	40 - 120	3	30
Endosulfan II	ND		13.1	8.19		ug/Kg		62	40 - 125	3	30
Endosulfan sulfate	ND		13.1	8.25	J	ug/Kg		63	45 - 120	4	30
Endrin	ND		13.1	8.26		ug/Kg		63	45 - 125	4	30
Endrin aldehyde	ND		13.1	7.53		ug/Kg		57	30 - 120	4	30
Endrin ketone	ND		13.1	8.19		ug/Kg		62	40 - 120	3	30
gamma-BHC (Lindane)	ND		13.1	7.59		ug/Kg		58	40 - 120	3	30
Heptachlor	ND		13.1	7.68		ug/Kg		59	40 - 115	4	30
Heptachlor epoxide	ND		13.1	7.97		ug/Kg		61	45 - 115	3	30
Methoxychlor	ND		13.1	8.40		ug/Kg		64	40 - 135	5	30
trans-Chlordane	ND		13.1	8.02		ug/Kg		61	50 - 115	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	61		45 - 120
Tetrachloro-m-xylene	52		35 - 115

Lab Sample ID: MB 440-496426/1-A
Matrix: Solid
Analysis Batch: 496520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496426

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Aldrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
alpha-BHC	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
beta-BHC	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Chlordane (technical)	ND		50	10	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
cis-Chlordane	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
delta-BHC	ND		10	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Dieldrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Endosulfan I	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Endosulfan II	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Endrin	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Endrin ketone	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Heptachlor	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Methoxychlor	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
Toxaphene	ND		200	50	ug/Kg		08/29/18 17:46	08/30/18 10:00	1
trans-Chlordane	ND		5.0	1.5	ug/Kg		08/29/18 17:46	08/30/18 10:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	86		45 - 120	08/29/18 17:46	08/30/18 10:00	1

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 440-496426/1-A
Matrix: Solid
Analysis Batch: 496520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496426

Surrogate	MB MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery Qualifier				
Tetrachloro-m-xylene	81	35 - 115	08/29/18 17:46	08/30/18 10:00	1

Lab Sample ID: LCS 440-496426/2-A
Matrix: Solid
Analysis Batch: 496520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	13.3	11.6		ug/Kg		87	59 - 118
4,4'-DDE	13.3	11.4		ug/Kg		86	55 - 115
4,4'-DDT	13.3	12.5		ug/Kg		94	51 - 131
Aldrin	13.3	11.0		ug/Kg		82	46 - 115
alpha-BHC	13.3	11.1		ug/Kg		83	38 - 115
beta-BHC	13.3	11.2		ug/Kg		84	46 - 115
cis-Chlordane	13.3	11.2		ug/Kg		84	56 - 115
delta-BHC	13.3	11.6		ug/Kg		87	52 - 115
Dieldrin	13.3	11.5		ug/Kg		86	57 - 115
Endosulfan I	13.3	11.6		ug/Kg		87	56 - 115
Endosulfan II	13.3	11.9		ug/Kg		89	49 - 117
Endosulfan sulfate	13.3	11.9		ug/Kg		89	54 - 115
Endrin	13.3	12.0		ug/Kg		90	56 - 120
Endrin aldehyde	13.3	10.8		ug/Kg		81	41 - 115
Endrin ketone	13.3	11.9		ug/Kg		89	54 - 119
gamma-BHC (Lindane)	13.3	11.1		ug/Kg		83	49 - 115
Heptachlor	13.3	10.9		ug/Kg		82	52 - 115
Heptachlor epoxide	13.3	11.2		ug/Kg		84	38 - 128
Methoxychlor	13.3	12.4		ug/Kg		93	46 - 146
trans-Chlordane	13.3	11.5		ug/Kg		86	32 - 143

Surrogate	LCS LCS	Limits
	%Recovery Qualifier	
DCB Decachlorobiphenyl (Surr)	84	45 - 120
Tetrachloro-m-xylene	80	35 - 115

Lab Sample ID: 440-218810-C-1-A MS
Matrix: Solid
Analysis Batch: 496518

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 496426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		13.2	6.26		ug/Kg		47	40 - 130
4,4'-DDE	ND		13.2	5.70		ug/Kg		43	35 - 130
4,4'-DDT	ND		13.2	6.54		ug/Kg		50	35 - 130
Aldrin	ND		13.2	7.47		ug/Kg		57	40 - 115
alpha-BHC	ND		13.2	6.58		ug/Kg		50	40 - 115
beta-BHC	ND		13.2	7.67		ug/Kg		58	40 - 120
cis-Chlordane	ND		13.2	7.21		ug/Kg		55	50 - 115
delta-BHC	ND		13.2	8.10	J	ug/Kg		61	45 - 120
Dieldrin	ND		13.2	5.45		ug/Kg		41	40 - 125
Endosulfan I	ND		13.2	5.57		ug/Kg		42	40 - 120

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-218810-C-1-A MS
Matrix: Solid
Analysis Batch: 496518

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 496426

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Endosulfan II	ND	F1	13.2	4.67	J F1	ug/Kg		35	40 - 125	
Endosulfan sulfate	ND	F1	13.2	5.15	J F1	ug/Kg		39	45 - 120	
Endrin	ND	F1	13.2	5.76	F1	ug/Kg		44	45 - 125	
Endrin aldehyde	ND		13.2	4.14	J	ug/Kg		31	30 - 120	
Endrin ketone	ND		13.2	5.51		ug/Kg		42	40 - 120	
gamma-BHC (Lindane)	ND		13.2	6.13		ug/Kg		46	40 - 120	
Heptachlor	ND		13.2	7.88		ug/Kg		60	40 - 115	
Heptachlor epoxide	ND		13.2	6.56		ug/Kg		50	45 - 115	
Methoxychlor	ND		13.2	8.82		ug/Kg		67	40 - 135	
trans-Chlordane	ND	F1	13.2	6.49	F1	ug/Kg		49	50 - 115	

Lab Sample ID: 440-218810-C-1-B MSD
Matrix: Solid
Analysis Batch: 496518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 496426

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
4,4'-DDD	ND		13.3	6.16		ug/Kg		46	40 - 130	2	30	
4,4'-DDE	ND		13.3	6.41		ug/Kg		48	35 - 130	12	30	
4,4'-DDT	ND		13.3	6.05		ug/Kg		45	35 - 130	8	30	
Aldrin	ND		13.3	9.86		ug/Kg		74	40 - 115	28	30	
alpha-BHC	ND		13.3	6.21		ug/Kg		47	40 - 115	6	30	
beta-BHC	ND		13.3	8.01		ug/Kg		60	40 - 120	4	30	
cis-Chlordane	ND		13.3	8.79		ug/Kg		66	50 - 115	20	30	
delta-BHC	ND		13.3	9.16	J	ug/Kg		69	45 - 120	12	30	
Dieldrin	ND		13.3	5.60		ug/Kg		42	40 - 125	3	30	
Endosulfan I	ND		13.3	6.21		ug/Kg		47	40 - 120	11	30	
Endosulfan II	ND	F1	13.3	4.57	J F1	ug/Kg		34	40 - 125	2	30	
Endosulfan sulfate	ND	F1	13.3	4.76	J F1	ug/Kg		36	45 - 120	8	30	
Endrin	ND	F1	13.3	6.32		ug/Kg		47	45 - 125	9	30	
Endrin aldehyde	ND		13.3	4.16	J	ug/Kg		31	30 - 120	0	30	
Endrin ketone	ND		13.3	5.61		ug/Kg		42	40 - 120	2	30	
gamma-BHC (Lindane)	ND		13.3	5.95		ug/Kg		45	40 - 120	3	30	
Heptachlor	ND		13.3	9.19		ug/Kg		69	40 - 115	15	30	
Heptachlor epoxide	ND		13.3	7.29		ug/Kg		55	45 - 115	11	30	
Methoxychlor	ND		13.3	9.41		ug/Kg		71	40 - 135	6	30	
trans-Chlordane	ND	F1	13.3	8.68		ug/Kg		65	50 - 115	29	30	

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-243050/1-A
Matrix: Solid
Analysis Batch: 243199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 243050

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		2.0	1.3	mg/Kg		08/30/18 07:00	08/30/18 13:29	1

TestAmerica Irvine

QC Sample Results

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 320-243050/2-A
Matrix: Solid
Analysis Batch: 243199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 243050

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	200	192		mg/Kg		96	80 - 120

Lab Sample ID: 440-218856-1 MS
Matrix: Solid
Analysis Batch: 243199

Client Sample ID: S1-0.5
Prep Type: Total/NA
Prep Batch: 243050

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.6	J	200	168		mg/Kg		83	80 - 120

Lab Sample ID: 440-218856-1 MSD
Matrix: Solid
Analysis Batch: 243199

Client Sample ID: S1-0.5
Prep Type: Total/NA
Prep Batch: 243050

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	1.6	J	196	169		mg/Kg		85	80 - 120	1	35

Lab Sample ID: MB 320-243312/1-A
Matrix: Solid
Analysis Batch: 243861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 243312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Arsenic	ND		2.0	1.3	mg/Kg		08/31/18 07:00	09/04/18 11:45		1

Lab Sample ID: LCS 320-243312/2-A
Matrix: Solid
Analysis Batch: 243861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 243312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	200	193		mg/Kg		97	80 - 120

Lab Sample ID: 320-42538-A-1-I MS
Matrix: Solid
Analysis Batch: 243861

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 243312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	3.6		198	178		mg/Kg		88	80 - 120

Lab Sample ID: 320-42538-A-1-J MSD
Matrix: Solid
Analysis Batch: 243861

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 243312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	3.6		192	173		mg/Kg		88	80 - 120	3	35

TestAmerica Irvine

QC Association Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

GC/MS VOA

Analysis Batch: 496484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-7	S4-0.5	Total/NA	Solid	8260B	
440-218856-8	S4-4	Total/NA	Solid	8260B	
440-218856-10	S5-0.5	Total/NA	Solid	8260B	
440-218856-11	S5-4	Total/NA	Solid	8260B	
440-218856-13	S6-0.5	Total/NA	Solid	8260B	
440-218856-14	S6-4	Total/NA	Solid	8260B	
440-218856-16	S7-3	Total/NA	Solid	8260B	
440-218856-17	S8-2	Total/NA	Solid	8260B	
440-218856-18	S9-4	Total/NA	Solid	8260B	
440-218856-19	S10-10	Total/NA	Solid	8260B	
MB 440-496484/4	Method Blank	Total/NA	Solid	8260B	
LCS 440-496484/5	Lab Control Sample	Total/NA	Solid	8260B	
440-218856-7 MS	S4-0.5	Total/NA	Solid	8260B	
440-218856-7 MSD	S4-0.5	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 495956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-7	S4-0.5	Total/NA	Solid	3546	
440-218856-8	S4-4	Total/NA	Solid	3546	
440-218856-10	S5-0.5	Total/NA	Solid	3546	
440-218856-11	S5-4	Total/NA	Solid	3546	
440-218856-13	S6-0.5	Total/NA	Solid	3546	
MB 440-495956/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-495956/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-218833-B-10-A MS	Matrix Spike	Total/NA	Solid	3546	
440-218833-B-10-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 496009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-14	S6-4	Total/NA	Solid	3546	
440-218856-16	S7-3	Total/NA	Solid	3546	
440-218856-17	S8-2	Total/NA	Solid	3546	
440-218856-18	S9-4	Total/NA	Solid	3546	
440-218856-19	S10-10	Total/NA	Solid	3546	
MB 440-496009/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-496009/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-218856-14 MS	S6-4	Total/NA	Solid	3546	
440-218856-14 MSD	S6-4	Total/NA	Solid	3546	

Analysis Batch: 496108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-7	S4-0.5	Total/NA	Solid	8015B	495956
440-218856-8	S4-4	Total/NA	Solid	8015B	495956
440-218856-10	S5-0.5	Total/NA	Solid	8015B	495956
440-218856-11	S5-4	Total/NA	Solid	8015B	495956
440-218856-13	S6-0.5	Total/NA	Solid	8015B	495956
MB 440-495956/1-A	Method Blank	Total/NA	Solid	8015B	495956

TestAmerica Irvine

QC Association Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

GC Semi VOA (Continued)

Analysis Batch: 496108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-495956/2-A	Lab Control Sample	Total/NA	Solid	8015B	495956
440-218833-B-10-A MS	Matrix Spike	Total/NA	Solid	8015B	495956
440-218833-B-10-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	495956

Prep Batch: 496211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-1	S1-0.5	Total/NA	Solid	3546	
440-218856-3	S2-0.5	Total/NA	Solid	3546	
440-218856-5	S3-0.5	Total/NA	Solid	3546	
440-218856-7	S4-0.5	Total/NA	Solid	3546	
440-218856-8	S4-4	Total/NA	Solid	3546	
440-218856-10	S5-0.5	Total/NA	Solid	3546	
440-218856-11	S5-4	Total/NA	Solid	3546	
440-218856-13	S6-0.5	Total/NA	Solid	3546	
440-218856-14	S6-4	Total/NA	Solid	3546	
440-218856-16	S7-3	Total/NA	Solid	3546	
440-218856-17	S8-2	Total/NA	Solid	3546	
MB 440-496211/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-496211/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-218866-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
440-218866-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 496323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-1	S1-0.5	Total/NA	Solid	8081A	496211
440-218856-3	S2-0.5	Total/NA	Solid	8081A	496211
440-218856-5	S3-0.5	Total/NA	Solid	8081A	496211
440-218856-7	S4-0.5	Total/NA	Solid	8081A	496211
440-218856-8	S4-4	Total/NA	Solid	8081A	496211
440-218856-10	S5-0.5	Total/NA	Solid	8081A	496211
440-218856-11	S5-4	Total/NA	Solid	8081A	496211
440-218856-13	S6-0.5	Total/NA	Solid	8081A	496211
440-218856-14	S6-4	Total/NA	Solid	8081A	496211
440-218856-16	S7-3	Total/NA	Solid	8081A	496211
440-218856-17	S8-2	Total/NA	Solid	8081A	496211
MB 440-496211/1-A	Method Blank	Total/NA	Solid	8081A	496211
LCS 440-496211/2-A	Lab Control Sample	Total/NA	Solid	8081A	496211
440-218866-A-1-A MS	Matrix Spike	Total/NA	Solid	8081A	496211
440-218866-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	496211

Analysis Batch: 496380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-14	S6-4	Total/NA	Solid	8015B	496009
440-218856-16	S7-3	Total/NA	Solid	8015B	496009
440-218856-17	S8-2	Total/NA	Solid	8015B	496009
440-218856-18	S9-4	Total/NA	Solid	8015B	496009
440-218856-19	S10-10	Total/NA	Solid	8015B	496009
MB 440-496009/1-A	Method Blank	Total/NA	Solid	8015B	496009
LCS 440-496009/2-A	Lab Control Sample	Total/NA	Solid	8015B	496009
440-218856-14 MS	S6-4	Total/NA	Solid	8015B	496009

TestAmerica Irvine

QC Association Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

GC Semi VOA (Continued)

Analysis Batch: 496380 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-14 MSD	S6-4	Total/NA	Solid	8015B	496009

Prep Batch: 496426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-18	S9-4	Total/NA	Solid	3546	
440-218856-19	S10-10	Total/NA	Solid	3546	
MB 440-496426/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-496426/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-218810-C-1-A MS	Matrix Spike	Total/NA	Solid	3546	
440-218810-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 496518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218810-C-1-A MS	Matrix Spike	Total/NA	Solid	8081A	496426
440-218810-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	496426

Analysis Batch: 496520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-18	S9-4	Total/NA	Solid	8081A	496426
440-218856-19	S10-10	Total/NA	Solid	8081A	496426
MB 440-496426/1-A	Method Blank	Total/NA	Solid	8081A	496426
LCS 440-496426/2-A	Lab Control Sample	Total/NA	Solid	8081A	496426

Metals

Prep Batch: 243050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-1	S1-0.5	Total/NA	Solid	3050B	
440-218856-3	S2-0.5	Total/NA	Solid	3050B	
440-218856-5	S3-0.5	Total/NA	Solid	3050B	
440-218856-10	S5-0.5	Total/NA	Solid	3050B	
440-218856-11	S5-4	Total/NA	Solid	3050B	
440-218856-13	S6-0.5	Total/NA	Solid	3050B	
440-218856-14	S6-4	Total/NA	Solid	3050B	
440-218856-16	S7-3	Total/NA	Solid	3050B	
440-218856-17	S8-2	Total/NA	Solid	3050B	
440-218856-18	S9-4	Total/NA	Solid	3050B	
440-218856-19	S10-10	Total/NA	Solid	3050B	
MB 320-243050/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-243050/2-A	Lab Control Sample	Total/NA	Solid	3050B	
440-218856-1 MS	S1-0.5	Total/NA	Solid	3050B	
440-218856-1 MSD	S1-0.5	Total/NA	Solid	3050B	

Analysis Batch: 243199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-1	S1-0.5	Total/NA	Solid	6010B	243050
440-218856-3	S2-0.5	Total/NA	Solid	6010B	243050
440-218856-5	S3-0.5	Total/NA	Solid	6010B	243050
440-218856-10	S5-0.5	Total/NA	Solid	6010B	243050

TestAmerica Irvine

QC Association Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Metals (Continued)

Analysis Batch: 243199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-11	S5-4	Total/NA	Solid	6010B	243050
440-218856-13	S6-0.5	Total/NA	Solid	6010B	243050
440-218856-14	S6-4	Total/NA	Solid	6010B	243050
440-218856-16	S7-3	Total/NA	Solid	6010B	243050
440-218856-17	S8-2	Total/NA	Solid	6010B	243050
440-218856-18	S9-4	Total/NA	Solid	6010B	243050
440-218856-19	S10-10	Total/NA	Solid	6010B	243050
MB 320-243050/1-A	Method Blank	Total/NA	Solid	6010B	243050
LCS 320-243050/2-A	Lab Control Sample	Total/NA	Solid	6010B	243050
440-218856-1 MS	S1-0.5	Total/NA	Solid	6010B	243050
440-218856-1 MSD	S1-0.5	Total/NA	Solid	6010B	243050

Prep Batch: 243312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-7	S4-0.5	Total/NA	Solid	3050B	
440-218856-8	S4-4	Total/NA	Solid	3050B	
MB 320-243312/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-243312/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-42538-A-1-I MS	Matrix Spike	Total/NA	Solid	3050B	
320-42538-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 243861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-218856-7	S4-0.5	Total/NA	Solid	6010B	243312
440-218856-8	S4-4	Total/NA	Solid	6010B	243312
MB 320-243312/1-A	Method Blank	Total/NA	Solid	6010B	243312
LCS 320-243312/2-A	Lab Control Sample	Total/NA	Solid	6010B	243312
320-42538-A-1-I MS	Matrix Spike	Total/NA	Solid	6010B	243312
320-42538-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	243312

Definitions/Glossary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley,
CA

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: Black Rock Geosciences
Project/Site: MA18008

TestAmerica Job ID: 440-218856-1
SDG: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Laboratory: TestAmerica Irvine

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8015B	3546	Solid	C13-C22
8015B	3546	Solid	C23-C40
8260B		Solid	m,p-Xylene

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
ANAB	DoD ELAP		L2468	01-20-21
Arizona	State Program	9	AZ0708	08-11-19
Arkansas DEQ	State Program	6	88-0691	06-17-19
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-19
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-19
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-19
Kansas	NELAP	7	E-10375	10-31-18
Louisiana	NELAP	6	30612	06-30-19
Maine	State Program	1	CA0004	04-14-20
Michigan	State Program	5	9947	01-31-20
Nevada	State Program	9	CA00044	07-31-19
New Hampshire	NELAP	1	2997	04-18-19
New Jersey	NELAP	2	CA005	06-30-19
New York	NELAP	2	11666	03-31-19
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-19
Texas	NELAP	6	T104704399	05-31-19
US Fish & Wildlife	Federal		LE148388-0	07-31-19
USDA	Federal		P330-18-00239	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-19
Vermont	State Program	1	VT-4040	04-30-19
Virginia	NELAP	3	460278	03-14-19
Washington	State Program	10	C581	05-05-19
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Quin Kinnebrew		Site Contact: Quin Kinnebrew		COC No. 1	
Black Rock Geosciences		Tel/Fax: c: 714-315-5354		Lab Contact: Danielle Roberts		Date: 08-26-18	
7110 E. Grovewood Lane		Analysis Turnaround Time		Carrier: Quin Kinnebrew		Job No.	
Orange, CA 92869		Work Days (W)		Petroleum Hydrocarbons (8015 C23-C40)		SDG No.	
c: 714-315-5354		TAT if different from Below		Arsenic (6010B)		818	
email: blackrock@msn.com		Standard		Pesticides (8081A)		818	
Project Name: MA18008		5 days		VOCs (8260B)		818	
Site: NWC Hall Ave. and Agua Mansa Rd., Jurupa Valley, CA		2 days		Filtered Sample		440-218856 Chain of Custody	
P.O.#: 22039		1 day		Matrix		Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	
S1-0.5	8-26-18	1012	Grab	Soil		1	
S1-1		1016					
S2-0.5		1021					
S2-1		1022					
S3-0.5		1001					
S3-1		1005					
S4-0.5		1041					
S4-4		1044					
S4-8		1046					
S5-0.5		1057					
S5-4		1105					
S5-8		1116					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Relinquished by: Quin Kinnebrew
 Date/Time: 08/27/18/1014
 Company: Black Rock Geosciences

Relinquished by: *[Signature]*
 Date/Time: 08/27/18/1014
 Company: TA IRV


Relinquished by: *[Signature]*
 Date/Time: 8/27/18 1014
 Company: TA IRV

3.8/41 IK-66



Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact				Project Manager: Quin Kinnebrew				Site Contact: Quin Kinnebrew				Date: 08-26-18											
Black Rock Geosciences				151/Fax: c: 714-315-5354				Lab Contact: Danielle Roberts				Carrier: Quin Kinnebrew											
7110 E. Grovewood Lane				Analysis Turnaround Time				Job No.				COC No 2 of 2 COCs											
Orange, CA 92869				Work Days (W)				SDG No.				Sample Specific Notes											
c: 714-315-5354				TAT: if different from Below				Pesticides (8081 A)				Arsenic (6010B)				Petroleum Hydrocarbons (8015 C23-C40)				VOCs (8260B)			
email: blackrock@msn.com				Standard				Filtered Sample				X				X				X			
Project Name: MA18008				5 days				# of Cont.				X				X				X			
Site: NWC Hall Ave. and Agua Mansa Rd., Jurupa Valley, CA				2 days				Matrix				X				X				X			
P.O.#: 22039				1 day				Sample Type				X				X				X			
Sample Identification				Sample Date				Sample Time				Sample Type				Matrix				# of Cont.			
S6-0.5				08-26-18				1050				Grab				soil				1			
S6-4								1052															
S6-8								1054															
S7-3								0926															
S8-2								0929															
S9-4								0930															
S10-10								0940				↓				↓				↓			
<p>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5=NaOH; 6= Other</p> <p>Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown</p>																							
Special Instructions/QC Requirements & Comments:																							
Relinquished by Quin Kinnebrew				Company: Black Rock Geosciences				Date/Time: 8-27-18/1014				Received by: 				Company: TA REV							
Relinquished by				Company:				Date/Time:				Received by:				Company:							
Relinquished by				Company:				Date/Time:				Received by:				Company: TA REV							



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Roberts, Danielle C	Lab PM:	Roberts, Danielle C	Carrier Tracking No(s):	440-125742.1
Client Contact		Phone:	danielle.roberts@testamericainc.com	E-Mail:	danielle.roberts@testamericainc.com	State of Origin:	California
Shipping/Receiving		Company:		Accreditations Required (See note):		Job #:	440-218856-1
TestAmerica Laboratories, Inc.		TestAmerica Laboratories, Inc.		State Program - California		Preservation Codes:	
Address:		Due Date Requested:		Analysis Requested		A - HCL	
880 Riverside Parkway,		9/4/2018		TAT Requested (days):		B - NaOH	
City:		West Sacramento		PO #:		C - Zn Acetate	
State, Zip:		CA, 95605		WO #:		D - Nitric Acid	
Phone:		916-373-5600(Tel) 916-372-1059(Fax)		Project #:		E - NaHSO4	
Email:		44016401		SSOW#:		F - MeOH	
Project Name:		MA18008		Sample Date		G - Anchlor	
Site:		Sample Time		Sample Type (C=Comp, G=grab)		H - Ascorbic Acid	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		I - Ice	
S1-0.5 (440-218856-1)		8/26/18		10:12 Pacific		J - DI Water	
S2-0.5 (440-218856-3)		8/26/18		10:21 Pacific		K - EDTA	
S3-0.5 (440-218856-5)		8/26/18		10:01 Pacific		L - EDA	
S5-0.5 (440-218856-10)		8/26/18		10:57 Pacific		Other:	
S5-4 (440-218856-11)		8/26/18		11:05 Pacific		M - Hexane	
S6-0.5 (440-218856-13)		8/26/18		10:50 Pacific		N - None	
S6-4 (440-218856-14)		8/26/18		10:52 Pacific		O - AsNaO2	
S7-3 (440-218856-16)		8/26/18		09:26 Pacific		P - Na2O4S	
S8-2 (440-218856-17)		8/26/18		09:29 Pacific		Q - Na2SO3	
Matrix (W=Water, E=Soil, O=Water/Oil, T=TISSUE, A=AIR)		Preservation Code:		Field Filtered Sample (Yes or No)		R - Na2S2O3	
Solid		Solid		X		S - H2SO4	
Solid		Solid		X		T - TSP Dodecahydrate	
Solid		Solid		X		U - Acetone	
Solid		Solid		X		V - MCAA	
Solid		Solid		X		W - pH 4.5	
Solid		Solid		X		Z - other (specify)	
Solid		Solid		X		Total Number of containers	
Solid		Solid		X		Special Instructions/Note:	
Solid		Solid		X		Perform MS/MSD (Yes or No)	
Solid		Solid		X		60108/3050B 6010-Arsenic	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements _____

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: _____ Date/Time: 8/28/18 9:45 AM Company: AA-Sac
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: Seal Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: 1.0



TestAmerica Irvine
17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)			Sampler: Lab PM: Roberts, Danielle C		Carrier Tracking No(s): 440-125742.2	
Client Contact: West Sacramento			E-Mail: danielle.roberts@testamericainc.com		Page: Page 2 of 2	
Shipping/Receiving: West Sacramento			Phone: 916-373-5600(Tel) 916-372-1059(Fax)		Job #: 440-218856-1	
Company: TestAmerica Laboratories, Inc.			Address: 850 Riverside Parkway		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Due Date Requested: 9/4/2018			TAT Requested (days):		Analysis Requested:	
PO #:			WO #:		Total Number of containers	
Project #: 44016401			SSOW#:		Field Filtered Sample (Yes or No)	
Site:			Sample Date		Perform MS/MSD (Yes or No)	
Sample Identification - Client ID (Lab ID)			Sample Time		Matrix (Wet, Solid, Composite, LIT/FISSHP, AAS)	
S9-4 (440-218856-18)			8/26/18 09:30 Pacific		Solid	
S10-10 (440-218856-19)			8/26/18 09:40 Pacific		Solid	
Special Instructions/Note:						

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. 1

Possible Hazard Identification Unconfirmed			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/OC Requirements:	
Empty Kit Relinquished by:			Time: _____ Method of Shipment:	
Relinquished by:			Received by: <i>MS</i> Date/Time: <i>8/29/18 9:45</i>	
Relinquished by:			Company: <i>HAW</i> Date/Time: _____	
Relinquished by:			Company: <i>TA-Sac</i> Date/Time: _____	
Custody Seals Intact: <i>Seal</i>			Cooler Temperature(s) °C and Other Remarks: <i>1.0</i>	



Chain of Custody Record



Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 830 Riverside Parkway, City: West Sacramento State, Zip: CA, 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email: Project Name: MA18008 Site:		Lab PM: Roberts, Danielle C E-Mail: danielle.roberts@testamericainc.com Accreditations Required (See note): State Program - California		Carrier Tracking No(s): 440-125783.1 State of Origin: California Page: Page 1 of 1 Job #: 440-218856-1				
Due Date Requested: 9/4/2018 TAT Requested (days):		Analysis Requested:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Weather, Sealed, On-site/Off-site)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:
S4-0.5 (440-218856-7)	8/26/18	10:41 Pacific	Solid		X		1	
S4-4 (440-218856-8)	8/26/18	10:44 Pacific	Solid		X		1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Relinquished by: [Signature] Date: 8/28/18 Time: 09:40
 Relinquished by: [Signature] Date: 8/30/18 Time: 9:45
 Relinquished by: [Signature] Date: _____ Time: _____
 Relinquished by: [Signature] Date: _____ Time: _____
 Custody Seals Intact: Yes No Custody Seal No.: Seal
 Cooler Temperature(s) °C and Other Remarks: 1.2

Login Sample Receipt Checklist

Client: Black Rock Geosciences

Job Number: 440-218856-1

SDG Number: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Login Number: 218856

List Source: TestAmerica Irvine

List Number: 1

Creator: Skinner, Alma D

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Black Rock Geosciences

Job Number: 440-218856-1

SDG Number: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Login Number: 218856

List Source: TestAmerica Sacramento

List Number: 2

List Creation: 08/29/18 12:15 PM

Creator: Gooch, Mayce

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Black Rock Geosciences

Job Number: 440-218856-1

SDG Number: NWC Hall Ave., and Agusa Mansa Rd., Jurupa Valley, CA

Login Number: 218856

List Source: TestAmerica Sacramento

List Number: 3

List Creation: 08/30/18 02:16 PM

Creator: Gooch, Mayce

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sacramento

Sample Receiving Notes



Job 440-218856 Field Sheet

Tracking # 4538 3726 4628

SO / PO / FO / 2-Day / SAT / Ground / UPS / Courier /

Drop Off / GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	Therm. ID: <u>AK-2 / AK-3 / AK-5 / AK-6 / HACCP</u> / Other _____ <small>(+0.7°C)</small>
	Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____ Other _____
	Cooler Custody Seal: <u>Seal</u>
	Sample Custody Seal: <u>-</u>
	Cooler ID: <u>-</u>
	Temp: Observed <u>1.0</u> Corrected <u>1.0</u>
	From: Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/>
	NCM Filed: Yes <input type="checkbox"/> No <input type="checkbox"/>

	Yes	No	NA
Perchlorate has headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CoC is complete w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample date/times are provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample temp OK?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample out of temp?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Initials: MG Date: 8/29/18

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

W13D

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sacramento

Sample Receiving Notes



440-218856 Field Sheet

Jt

Tracking # 4538 3725 5061 SO (PO) / FO / 2-Day / SAT / Ground / UPS / Courier /
Drop Off / GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

<p>Notes: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	Therm. ID: <u>AK-2 / (AK-3) / AK-5 / AK-6 / HACCP / Other</u> _____ <small>(+0.7°C)</small>																																																																									
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