

# Appendix B

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Soil Matrix Laboratory Report



Date of Report: 09/12/2017

Matt Pendleton

Rincon Consultants

180 North Ashwood Avenue

Ventura, CA 93003

Client Project: 16-03318 OCTA

BCL Project: Soil Samples

BCL Work Order: 1724616

Invoice ID: B278851

Enclosed are the results of analyses for samples received by the laboratory on 9/1/2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Kerrie Vaughan  
Client Services

Stuart Buttram  
Technical Director

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

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4  
 Submission #: 17-24616

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify) \_\_\_\_\_  
 SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify) \_\_\_\_\_  
 FREE LIQUID: YES  NO  W / (S)

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

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

COC Received: YES  NO   
 Emissivity: 0.95 Container: VOAS Thermometer ID: 208 Date/Time: 9/11/17 1840  
 Temperature: (A) 8.5 °C / (C) 0.4 °C Analyst Init: RNR

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
10ml EPA 547										
10ml EPA 531.1										
1oz EPA 548										
1T EPA 549										
1T EPA 8015M										
1T EPA 8270										
oz / 16oz / 32oz AMBER										
oz / 16oz / 32oz JAR										
OIL SLEEVE	X02	E	E	E	E	E	E	E	E	E
CB VIAL										
LASTIC BAG										
EDLAR BAG										
ERROUS IRON										
SCORE										
1ART KIT	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD
MMA CANISTER										

Comments: Description doesn't match for 15  
 Sample Numbering Completed By: [Signature] Date/Time: 9/11/17 2005  
 Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 Of 4

Submission #: 17-24616

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

SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify)

FREE LIQUID: YES  NO  W / (S)

Refrigerant: Ice  Blue Ice  None  Other  Comments:

Custody Seals: Ice Chest  Containers  None  Comments:

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

COC Received: YES  NO  Emissivity: 0.95 Container: VONS Thermometer ID: 208 Date/Time: 9/11/17 1840

Temperature: (A) 8.5 °C / (C) 47.5 °C Analyst Init: RNR

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
10ml EPA 547										
10ml EPA 531.1										
oz EPA 548										
YT EPA 549										
YT EPA 8015M										
YT EPA 8270										
oz / 16oz / 32oz AMBER										
oz / 16oz / 32oz JAR										
OIL SLEEVE	14, 15	E	E	E	E	E	E	E	E	E
CB VIAL										
LASTIC BAG										
EDLAR BAG										
ERROUS IRON										
VCORE										
ART KIT	14, 15	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD
MMA CANISTER										

Comments: description doesn't match for 15.

Sample Numbering Completed By: [Signature] Date/Time: 9/11/17 2005

Actual / C = Corrected



BC LABORATORIES INC.		COOLER RECEIPT FORM		Page <u>3</u> Of <u>4</u>												
Submission #: <u>17-24616</u>																
SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/> W <input checked="" type="checkbox"/> S											
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments: _____																
Custody Seals: Ice Chest <input type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Comments: _____																
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: <u>0.95</u> Container: <u>GLASS</u> Thermometer ID: <u>208</u> Temperature: (A) <u>0.8</u> °C / (C) <u>0.7</u> °C		Date/Time <u>9/11/17 1840</u> Analyst Init <u>RNR</u>												
SAMPLE CONTAINERS		SAMPLE NUMBERS														
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PT PE UNPRES																
1oz / 8oz / 16oz PE UNPRES																
1oz Cr <sup>6</sup>																
PT INORGANIC CHEMICAL METALS																
NORGANIC CHEMICAL METALS 4oz / 8oz / 16oz																
PT CYANIDE																
PT NITROGEN FORMS																
PT TOTAL SULFIDE																
1oz. NITRATE / NITRITE																
PT TOTAL ORGANIC CARBON																
PT CHEMICAL OXYGEN DEMAND																
1A PHENOLICS																
40ml VOA VIAL TRAVEL BLANK																
40ml VOA VIAL																
QT EPA 1664																
PT ODOR																
RADIOLOGICAL																
BACTERIOLOGICAL																
40 ml VOA VIAL- 504																
QT EPA 508/608/8080																
QT EPA 515.1/8150																
QT EPA 525																
QT EPA 525 TRAVEL BLANK																
40ml EPA 547																
40ml EPA 531.1																
8oz EPA 548																
QT EPA 549																
QT EPA 8015M																
QT EPA 8270																
8oz / 16oz / 32oz AMBER																
8oz / 16oz / 32oz JAR																
SOIL SLEEVE																
PCB VIAL																
PLASTIC BAG																
TEDLAR BAG																
FERROUS IRON																
ENCORE																
SMART KIT																
SUMMA CANISTER																
Comments: <u>TIMES DON'T MATCH FOR 26.</u>																
Sample Numbering Completed By: <u>RNR</u>																
Date/Time: <u>9/11/17</u>																
Rev 21 05/23/2016																
IS:\WPDoc\WordPerfect\LAB_DOCS\FORMS\ISAMRECrev 201																



BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4

Submission #: 17-24616

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

SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify) \_\_\_\_\_

FREE LIQUID: YES  NO  W / S

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_

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

COC Received: YES  NO  Emission: 0.98 Container: GLASS Thermometer ID: 208 Date/Time: 9/11/17 1840

Temperature: (A) 0.5 °C / (C) 0.7 °C Analyst Init: RNR

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	19	20	21	22	23	24	25	26	27	28
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE	E	E	A	A	A	E	E	E		A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT	ABCD	ABCD				ABCD	ABCD	ABCD		
SUMMA CANISTER										

Comments: \_\_\_\_\_

Sample Numbering Completed By: RNR Date/Time: 9/11/17 2005

Rev 21 05/23/2016 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMRECrev 20]



Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1724616-01	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 09:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB1-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-02	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 09:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB1-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-03	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 09:55
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB1-10	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-04	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 08:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB2-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-05	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 08:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB2-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-06	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 08:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB2-10	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-07	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 09:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB3-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1724616-08	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 09:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB3-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-09	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 09:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB3-10		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-10	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:45
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB4-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-11	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:50
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB4-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-12	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:55
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB4-10		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-13	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 12:20
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB5-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-14	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 12:35
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB5-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1724616-15	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 12:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB5-10	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-16	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 13:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB6-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-17	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 13:05
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB6-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-18	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB7-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-19	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:05
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB7-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-20	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:10
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB7-10	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-21	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB7-15	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1724616-22	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 14:12
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB8-1	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-23	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 14:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB8-3	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-24	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 14:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB9-1	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-25	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 14:05
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB9-3	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-26	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 15:10
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB10-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-27	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 15:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB10-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-28	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 15:25
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB11-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1724616-29	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB11-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-30	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:40
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB12-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-31	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB13-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-32	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB13-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-33	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:32
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB13-10		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-34	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 13:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SP1		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-35	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 13:10
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SP2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1724616-36	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 13:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SP3	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-01		Client Sample Name: RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	0.026	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	0.019	mg/kg	0.010	0.0029	EPA-8082	50		1
<b>Total PCB's (Summation)</b>	<b>0.044</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0050</b>	<b>EPA-8082</b>	<b>50</b>		<b>1</b>
Decachlorobiphenyl (Surrogate)	61.7	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:53	HKS	GC-15	1.017	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-01	<b>Client Sample Name:</b> RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0038	0.00070	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0038	0.00064	EPA-8260B			1
Bromoform	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0038	0.00048	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0038	0.00076	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00076	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00062	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00065	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00062	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-01		Client Sample Name: RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0076	0.0018	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
<b>Tetrachloroethene</b>	<b>0.0017</b>	<b>mg/kg</b>	<b>0.0038</b>	<b>0.00099</b>	<b>EPA-8260B</b>		<b>J</b>	<b>1</b>
Toluene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00059	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0038	0.00084	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0076	0.0026	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	115	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-01	<b>Client Sample Name:</b> RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	01:28	ADC	MS-V3	0.765	B[10228

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-01	<b>Client Sample Name:</b> RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>12</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	65.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 15:23	AS1	GC-13	0.987	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-02		Client Sample Name: RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	51.7	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:04	HKS	GC-15	1.007	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-02	<b>Client Sample Name:</b> RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0034	0.00063	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0034	0.00058	EPA-8260B			1
Bromoform	ND	mg/kg	0.0034	0.0010	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0034	0.0011	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0034	0.0010	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
Chloroform	ND	mg/kg	0.0034	0.00043	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0034	0.0012	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0034	0.00068	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0034	0.0012	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0034	0.00068	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0034	0.0012	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0034	0.00055	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0034	0.0010	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0034	0.00058	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0034	0.00055	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-02		Client Sample Name: RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0034	0.0010	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0034	0.0012	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0068	0.0016	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0034	0.00034	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
Styrene	ND	mg/kg	0.0034	0.00096	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
Toluene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0034	0.0014	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0034	0.0014	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0034	0.00053	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0034	0.00075	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0034	0.00075	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0034	0.0011	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0034	0.00089	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0034	0.0010	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0034	0.0011	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0068	0.0023	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0034	0.0015	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0034	0.00082	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-02	<b>Client Sample Name:</b> RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	01:51	ADC	MS-V3	0.685	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-02	<b>Client Sample Name:</b> RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>20</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	64.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 12:41	AS1	GC-13	0.984	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-03		Client Sample Name: RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	40.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:14	HKS	GC-15	0.993	B[10756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-03	<b>Client Sample Name:</b> RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0039	0.00072	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
Bromoform	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0039	0.00049	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00063	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00067	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00063	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-03		Client Sample Name: RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0078	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00060	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0039	0.00086	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0078	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	119	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-03	<b>Client Sample Name:</b> RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	02:14	ADC	MS-V3	0.784	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-03	<b>Client Sample Name:</b> RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>19</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	75.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 14:37	AS1	GC-13	0.984	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-04		Client Sample Name: RB2-2, 8/31/2017 8:40:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	43.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:25	HKS	GC-15	0.987	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-04	<b>Client Sample Name:</b> RB2-2, 8/31/2017 8:40:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	100	25	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	50	6.0	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>720</b>	<b>mg/kg</b>	<b>100</b>	<b>32</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	65.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 21:32	AS1	GC-13	5.085	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-05		Client Sample Name: RB2-5, 8/31/2017 8:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	45.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:35	HKS	GC-15	0.990	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-05	<b>Client Sample Name:</b> RB2-5, 8/31/2017 8:45:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	100	12	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>2000</b>	<b>mg/kg</b>	<b>200</b>	<b>65</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	54.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 20:00	AS1	GC-13	10.169	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-06		Client Sample Name: RB2-10, 8/31/2017 8:50:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	45.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:46	HKS	GC-15	1	B[10756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-06	<b>Client Sample Name:</b> RB2-10, 8/31/2017 8:50:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>11</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	<b>J</b>	1
Tetracosane (Surrogate)	75.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 15:00	AS1	GC-13	0.990	B[10772

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**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-07		Client Sample Name: RB3-2, 8/31/2017 9:20:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	58.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 13:28	HKS	GC-15	1.003	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-07	<b>Client Sample Name:</b> RB3-2, 8/31/2017 9:20:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>17</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	78.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 12:18	AS1	GC-13	0.984	B[10772

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### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-08		Client Sample Name: RB3-5, 8/31/2017 9:25:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	50.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 13:39	HKS	GC-15	0.984	B 0756

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Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-08	<b>Client Sample Name:</b> RB3-5, 8/31/2017 9:25:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	68.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 13:04	AS1	GC-13	1.017	B[10772

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**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-09		Client Sample Name: RB3-10, 8/31/2017 9:30:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	38.3	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 13:50	HKS	GC-15	1.014	B[10756

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**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-09	<b>Client Sample Name:</b> RB3-10, 8/31/2017 9:30:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>15</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	69.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 13:27	AS1	GC-13	1.017	B[10772

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0041	0.00075	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0041	0.00068	EPA-8260B			1
Bromoform	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0041	0.00051	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0041	0.00080	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0041	0.00081	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0041	0.00069	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-10		Client Sample Name: RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0081	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0041	0.00041	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Styrene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Toluene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0041	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0041	0.00062	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0041	0.00089	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0081	0.0028	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0041	0.0018	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	02:37	ADC	MS-V3	0.812	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>70</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	75.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 17:42	AS1	GC-13	1.007	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	97	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.30	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	8.6	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.024	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.82	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	7.8	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.9	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	21	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:22	JCC	PE-OP3	1	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:35	MEV	CETAC2	1.025	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-13	<b>Client Sample Name:</b> RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0044	0.00082	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0044	0.00075	EPA-8260B			1
Bromoform	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0044	0.0014	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Chloroform	ND	mg/kg	0.0044	0.00056	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0044	0.0016	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0044	0.00088	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0015	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0044	0.00089	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0044	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0044	0.00072	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0044	0.00075	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0044	0.00072	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1

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180 North Ashwood Avenue  
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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-13		Client Sample Name: RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0044	0.0015	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0089	0.0021	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00044	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Styrene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Toluene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	0.0019	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0018	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.00068	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0044	0.00098	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0044	0.0014	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0044	0.0014	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0089	0.0030	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0044	0.0020	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	116	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-13	<b>Client Sample Name:</b> RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	03:00	ADC	MS-V3	0.888	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-13	<b>Client Sample Name:</b> RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>250</b>	<b>mg/kg</b>	<b>40</b>	<b>13</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	65.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 20:23	AS1	GC-13	2.020	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

BCL Sample ID: 1724616-13		Client Sample Name: RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	70	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.25	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	13	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	11	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	20		2
Molybdenum	0.51	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	9.1	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.3	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.78	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:50	JCC	PE-OP3	0.971	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:45	MEV	CETAC2	1.008	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-16	<b>Client Sample Name:</b> RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-16		Client Sample Name: RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-16	<b>Client Sample Name:</b> RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	03:23	ADC	MS-V3	0.958	B[10228

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-16	<b>Client Sample Name:</b> RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	77	19	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	39	4.6	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>880</b>	<b>mg/kg</b>	<b>77</b>	<b>25</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	65.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 20:46	AS1	GC-13	3.871	B[10772

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

BCL Sample ID: 1724616-16		Client Sample Name: RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.4	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	60	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.25	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	17	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	18	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.028	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.94	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	11	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	45	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:52	JCC	PE-OP3	0.971	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:47	MEV	CETAC2	0.977	B I0353

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0020	mg/kg	0.0050	0.0013	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-18		Client Sample Name: RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
<b>Toluene</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.0012</b>	<b>EPA-8260B</b>		<b>J</b>	<b>1</b>
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	03:46	ADC	MS-V3	0.996	B[10228

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>27</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	78.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 15:46	AS1	GC-13	0.993	B[10772

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.3	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	76	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.35	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.3	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.042	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.0	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.2	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	32	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	45	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:53	JCC	PE-OP3	1	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:49	MEV	CETAC2	0.962	B I0353

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Rincon Consultants
180 North Ashwood Avenue
Ventura, CA 93003

Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1724616-19) and Client Sample Name (RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various compounds like Benzene, Bromobenzene, etc.

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-19		Client Sample Name: RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0079	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00040	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.00061	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0040	0.00087	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0079	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0040	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	109	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-19	<b>Client Sample Name:</b> RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	04:09	ADC	MS-V3	0.792	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-19	<b>Client Sample Name:</b> RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>520</b>	<b>mg/kg</b>	<b>40</b>	<b>13</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	71.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 17:18	AS1	GC-13	2.020	B[10772

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

BCL Sample ID: 1724616-19		Client Sample Name: RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	79	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.69	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	33	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	61	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.083	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.48	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	14	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	2.0	2.0	EPA-6010B	100	A07	3
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.68	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	340	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:54	JCC	PE-OP3	0.909	B[10505
2	EPA-7471A	09/06/17	09/07/17 12:56	MEV	CETAC2	1.008	B[10353
3	EPA-6010B	09/07/17	09/08/17 12:16	JCC	PE-OP3	1.818	B[10505

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

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

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-20		Client Sample Name: RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			2
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			2
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			2
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			2
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			2
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			2
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		2
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			2
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			2
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			2
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	93.6	%	74 - 121 (LCL - UCL)		EPA-8260B			2

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	14:31	ADC	MS-V3	0.938	B[10228
2	EPA-8260B	09/05/17	09/06/17	14:08	ADC	MS-V3	0.938	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>9.7</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	75.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 13:50	AS1	GC-13	1.003	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.3	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	91	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.45	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.33	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	15	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.0	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.052	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.6	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	14	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	47	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:01	JCC	PE-OP3	0.943	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:58	MEV	CETAC2	1.008	B I0353

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0038	0.00071	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0038	0.00065	EPA-8260B			1
Bromoform	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0038	0.00048	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0038	0.00076	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00077	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00062	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00065	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00062	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-21		Client Sample Name: RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0077	0.0018	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00059	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0038	0.00084	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0077	0.0026	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	107	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	04:33	ADC	MS-V3	0.768	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	2.9	mg/kg	10	1.2	EPA-8015B/FFP	ND	J,A52	1
TPH - Motor Oil	11	mg/kg	20	6.5	EPA-8015B/FFP	ND	J	1
Tetracosane (Surrogate)	75.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 14:14	AS1	GC-13	0.987	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	49	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.22	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.39	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	2.4	mg/kg	2.5	0.28	EPA-6010B	1000	J	1
Mercury	0.029	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.6	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	10	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.5	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	30	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:03	JCC	PE-OP3	0.917	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:00	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 1724616-22		Client Sample Name: RB8-1, 8/31/2017 2:12:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.020	0.0058	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.040	0.017	EPA-8151A			1
Dalapon	ND	mg/kg	0.050	0.034	EPA-8151A			1
Dicamba	ND	mg/kg	0.0020	0.0016	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.020	0.0055	EPA-8151A			1
Dinoseb	ND	mg/kg	0.0070	0.0024	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0030	0.0013	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	43.3	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 13:11	MSB	GC-8	0.990	B 0725

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-22	<b>Client Sample Name:</b> RB8-1, 8/31/2017 2:12:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>72</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	695	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A19	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 10:29	AS1	GC-13	0.993	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-22	<b>Client Sample Name:</b> RB8-1, 8/31/2017 2:12:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	5.8	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	1100	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.35	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.38	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	14	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	15	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	31	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.083	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.58	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	10	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	410	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:04	JCC	PE-OP3	0.980	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:02	MEV	CETAC2	1.025	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

**BCL Sample ID:** 1724616-23      **Client Sample Name:** RB8-3, 8/31/2017 2:15:00PM, D.Dinapoli/D.Cheyne

Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.058	0.017	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.12	0.049	EPA-8151A			1
Dalapon	ND	mg/kg	0.14	0.098	EPA-8151A			1
Dicamba	ND	mg/kg	0.0058	0.0046	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.058	0.016	EPA-8151A			1
Dinoseb	ND	mg/kg	0.020	0.0069	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0087	0.0038	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0087	0.0035	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	52.0	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 13:32	MSB	GC-8	2.885	B 0725

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-23	<b>Client Sample Name:</b> RB8-3, 8/31/2017 2:15:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	120	29	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	59	7.1	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>870</b>	<b>mg/kg</b>	<b>120</b>	<b>38</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	123	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 18:51	AS1	GC-13	5.882	B[10772

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-23	<b>Client Sample Name:</b> RB8-3, 8/31/2017 2:15:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.20	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.29	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	9.7	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.035	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.1	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	11	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.9	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	46	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:06	JCC	PE-OP3	0.962	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:05	MEV	CETAC2	0.962	B I0353

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 1724616-24		Client Sample Name: RB9-1, 8/31/2017 2:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.020	0.0058	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.040	0.017	EPA-8151A			1
Dalapon	ND	mg/kg	0.050	0.034	EPA-8151A			1
Dicamba	ND	mg/kg	0.0020	0.0016	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.020	0.0055	EPA-8151A			1
Dinoseb	ND	mg/kg	0.0070	0.0024	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0030	0.0013	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	44.0	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 13:53	MSB	GC-8	0.987	B 0725

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-24	<b>Client Sample Name:</b> RB9-1, 8/31/2017 2:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>160</b>	<b>mg/kg</b>	<b>40</b>	<b>13</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	67.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 19:14	AS1	GC-13	2.027	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-24	<b>Client Sample Name:</b> RB9-1, 8/31/2017 2:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	67	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.11	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	8.4	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	20		2
Molybdenum	0.10	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	5.9	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	18	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	31	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:07	JCC	PE-OP3	0.909	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:07	MEV	CETAC2	0.962	B I0353

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 1724616-25		Client Sample Name: RB9-3, 8/31/2017 2:05:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.020	0.0058	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.040	0.017	EPA-8151A			1
Dalapon	ND	mg/kg	0.050	0.034	EPA-8151A			1
Dicamba	ND	mg/kg	0.0020	0.0016	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.020	0.0055	EPA-8151A			1
Dinoseb	ND	mg/kg	0.0070	0.0024	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0030	0.0013	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	43.7	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 14:15	MSB	GC-8	0.984	B 0725

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-25	<b>Client Sample Name:</b> RB9-3, 8/31/2017 2:05:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>28</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	83.8	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 10:06	AS1	GC-13	0.987	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-25	<b>Client Sample Name:</b> RB9-3, 8/31/2017 2:05:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	43	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.13	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	9.6	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	9.4	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.045	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.16	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	7.0	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	21	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	26	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:09	JCC	PE-OP3	0.980	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:09	MEV	CETAC2	1.025	B I0353

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1724616-26) and Client Sample Name (RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID.

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0039	0.00072	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
Bromoform	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0039	0.00049	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0039	0.00077	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00063	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00063	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-26		Client Sample Name: RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0078	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00060	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0039	0.00086	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0078	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	04:56	ADC	MS-V3	0.780	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>65</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	39.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 10:52	AS1	GC-13	1.017	B[10763

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	77	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.55	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	16	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	24	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.050	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.26	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	32	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	62	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:55	JCC	PE-OP3	0.980	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:11	MEV	CETAC2	1.025	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTL Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000020	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	28.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	44.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 11:34	HKS	GC-17	1	B 0758

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0010	mg/kg	0.0040	0.0010	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0040	0.00074	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0040	0.00068	EPA-8260B			1
Bromoform	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0040	0.00051	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0040	0.00080	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0040	0.00080	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.00065	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0040	0.00068	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0040	0.00065	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-27		Client Sample Name: RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0080	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00040	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.00062	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0040	0.00088	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0080	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0040	0.0018	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	116	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	05:19	ADC	MS-V3	0.804	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	80.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 02:32	AS1	GC-13	0.987	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	87	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.19	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.035	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.64	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.93	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	35	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	46	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:56	JCC	PE-OP3	0.971	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:13	MEV	CETAC2	0.962	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
<b>4,4'-DDE</b>	<b>0.000071</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	1.0	<b>J</b>	1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	51.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	55.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 11:48	HKS	GC-17	1.014	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0038	0.00070	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0038	0.00064	EPA-8260B			1
Bromoform	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0038	0.00048	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0038	0.00075	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00076	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00061	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00064	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00061	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-28		Client Sample Name: RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0076	0.0018	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Toluene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00058	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0038	0.00083	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0076	0.0026	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	05:42	ADC	MS-V3	0.759	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	92.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 04:27	AS1	GC-13	1.014	B[10763

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	83	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.46	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.38	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	18	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	16	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.051	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.087	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	13	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.85	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	64	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:58	JCC	PE-OP3	0.917	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:15	MEV	CETAC2	0.962	B I0353

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Ventura, CA 93003

Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1724616-29) and Client Sample Name (RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID.

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0035	mg/kg	0.0041	0.0011	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0041	0.00075	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0041	0.00068	EPA-8260B			1
Bromoform	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0041	0.00051	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0041	0.00080	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0041	0.00081	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0041	0.00069	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1

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180 North Ashwood Avenue
Ventura, CA 93003

Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Contains data for various VOCs like cis-1,3-Dichloropropene, Toluene, etc.

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	06:05	ADC	MS-V3	0.810	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>8.7</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	73.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 04:50	AS1	GC-13	1.010	B[10763

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	98	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.51	mg/kg	0.50	0.047	EPA-6010B	75		1
Cadmium	0.22	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	16	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.9	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.036	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.54	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	13	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	2.0	2.0	EPA-6010B	100	A07	3
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	51	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:59	JCC	PE-OP3	0.971	B[10577
2	EPA-7471A	09/06/17	09/07/17 13:22	MEV	CETAC2	0.992	B[10353
3	EPA-6010B	09/08/17	09/11/17 10:25	JCC	PE-OP3	1.942	B[10577

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTL Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	1.4	A01	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A		A01	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A		A01	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A		A01	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	4.0	A01	1
<b>Chlordane (Technical)</b>	<b>0.028</b>	<b>mg/kg</b>	<b>0.25</b>	<b>0.0085</b>	<b>EPA-8081A</b>	2.5	<b>J,A01</b>	1
4,4'-DDD	ND	mg/kg	0.0025	0.0010	EPA-8081A	1.0	A01	1
<b>4,4'-DDE</b>	<b>0.0037</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00010</b>	<b>EPA-8081A</b>	1.0	<b>A01</b>	1
<b>4,4'-DDT</b>	<b>0.0024</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00046</b>	<b>EPA-8081A</b>	1.0	<b>J,A01</b>	1
Dieldrin	<b>0.0018</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00040</b>	<b>EPA-8081A</b>	8.0	<b>J,A01</b>	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A		A01	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A		A01	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A		A01	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	0.2	A01	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A		A01	1
Heptachlor	ND	mg/kg	0.0025	0.00018	EPA-8081A	4.7	A01	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.000085	EPA-8081A		A01	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	100	A01	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	5	A01	1
TCMX (Surrogate)	32.3	%	20 - 130 (LCL - UCL)		EPA-8081A		A01	1
Decachlorobiphenyl (Surrogate)	21.1	%	40 - 130 (LCL - UCL)		EPA-8081A		A01,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 14:18	HKS	GC-17	4.934	B 0758

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0038	mg/kg	0.0039	0.0010	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0039	0.00072	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
Bromoform	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0039	0.00049	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00064	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00067	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00064	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-30		Client Sample Name: RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0078	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
<b>Toluene</b>	<b>0.0028</b>	<b>mg/kg</b>	<b>0.0039</b>	<b>0.00094</b>	<b>EPA-8260B</b>		<b>J</b>	<b>1</b>
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00060	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0039	0.00086	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0078	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	06:28	ADC	MS-V3	0.785	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	100	12	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>2800</b>	<b>mg/kg</b>	<b>200</b>	<b>65</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	83.9	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 11:37	AS1	GC-13	10.169	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	4.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	54	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.26	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.30	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	19	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	18	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.040	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.93	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	9.2	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.0	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	57	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/11/17 10:38	JCC	PE-OP3	0.935	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:24	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-31		Client Sample Name: RB13-2, 8/31/2017 2:25:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
<b>PCB-1260</b>	<b>0.026</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0029</b>	<b>EPA-8082</b>	50		1
<b>Total PCB's (Summation)</b>	<b>0.026</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0050</b>	<b>EPA-8082</b>	50		1
Decachlorobiphenyl (Surrogate)	48.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:38	ZZZ	GC-14	1.003	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-31	<b>Client Sample Name:</b> RB13-2, 8/31/2017 2:25:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	100	12	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>2100</b>	<b>mg/kg</b>	<b>200</b>	<b>65</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	79.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 11:14	AS1	GC-13	10.135	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-32		Client Sample Name: RB13-5, 8/31/2017 2:30:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	36.7	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:48	ZZZ	GC-14	1.017	B 0756

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-32	<b>Client Sample Name:</b> RB13-5, 8/31/2017 2:30:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>13</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	72.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 04:04	AS1	GC-13	0.997	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-33		Client Sample Name: RB13-10, 8/31/2017 2:32:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	36.7	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:59	ZZZ	GC-14	1.017	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-33	<b>Client Sample Name:</b> RB13-10, 8/31/2017 2:32:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>8.1</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	67.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 02:55	AS1	GC-13	1.014	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
<b>4,4'-DDD</b>	<b>0.00074</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00021</b>	<b>EPA-8081A</b>	1.0		1
<b>4,4'-DDE</b>	<b>0.0025</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
<b>Dieldrin</b>	<b>0.012</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000079</b>	<b>EPA-8081A</b>	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	47.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	39.7	%	40 - 130 (LCL - UCL)		EPA-8081A		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 13:03	HKS	GC-17	1.017	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	45.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:10	ZZZ	GC-14	0.987	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-34		Client Sample Name: SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-34		Client Sample Name: SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	94.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	14:54	ADC	MS-V3	1	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>30</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	77.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 05:36	AS1	GC-13	0.993	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	47	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.22	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	9.6	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.1	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.9	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.045	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.58	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	7.3	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/11/17 10:39	JCC	PE-OP3	0.952	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:28	MEV	CETAC2	0.992	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
<b>4,4'-DDE</b>	<b>0.0021</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	72.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	64.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 13:18	HKS	GC-17	1.010	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-35		Client Sample Name: SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	63.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:21	ZZZ	GC-14	0.990	B 0756

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

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

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-35		Client Sample Name: SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	15:17	ADC	MS-V3	1	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	15	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	43	mg/kg	20	6.5	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	79.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 05:13	AS1	GC-13	1	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.3	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	58	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.31	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	8.3	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.6	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.047	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.78	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	8.0	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.1	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	35	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/11/17	09/11/17 15:51	JCC	PE-OP3	1	B I0788
2	EPA-7471A	09/06/17	09/07/17 13:30	MEV	CETAC2	0.992	B I0353

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1724616-36) and Client Sample Name (SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, etc.

QC Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID.

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-36		Client Sample Name: SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
<b>PCB-1260</b>	<b>0.0060</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0029</b>	<b>EPA-8082</b>	50	<b>J</b>	1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	48.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:31	ZZZ	GC-14	1.003	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

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

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-36		Client Sample Name: SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	15:40	ADC	MS-V3	1	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	100	25	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	50	6.0	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>370</b>	<b>mg/kg</b>	<b>100</b>	<b>32</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	74.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 05:59	AS1	GC-13	5.085	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	56	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.10	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.3	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.045	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.093	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	6.6	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	32	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/11/17 10:41	JCC	PE-OP3	0.917	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:26	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10758]</b>						
Aldrin	B[10758-BLK1	ND	mg/kg	0.00050	0.000034	
alpha-BHC	B[10758-BLK1	ND	mg/kg	0.00050	0.00013	
beta-BHC	B[10758-BLK1	ND	mg/kg	0.00050	0.00015	
delta-BHC	B[10758-BLK1	ND	mg/kg	0.00050	0.000047	
gamma-BHC (Lindane)	B[10758-BLK1	ND	mg/kg	0.00050	0.000082	
Chlordane (Technical)	B[10758-BLK1	ND	mg/kg	0.050	0.0017	
4,4'-DDD	B[10758-BLK1	ND	mg/kg	0.00050	0.00021	
4,4'-DDE	B[10758-BLK1	ND	mg/kg	0.00050	0.000020	
4,4'-DDT	B[10758-BLK1	ND	mg/kg	0.00050	0.000093	
Dieldrin	B[10758-BLK1	ND	mg/kg	0.00050	0.000079	
Endosulfan I	B[10758-BLK1	ND	mg/kg	0.00050	0.000022	
Endosulfan II	B[10758-BLK1	ND	mg/kg	0.00050	0.00014	
Endosulfan sulfate	B[10758-BLK1	ND	mg/kg	0.00050	0.00034	
Endrin	B[10758-BLK1	ND	mg/kg	0.00050	0.000091	
Endrin aldehyde	B[10758-BLK1	ND	mg/kg	0.00050	0.00023	
Heptachlor	B[10758-BLK1	ND	mg/kg	0.00050	0.000036	
Heptachlor epoxide	B[10758-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B[10758-BLK1	ND	mg/kg	0.00050	0.00021	
Toxaphene	B[10758-BLK1	ND	mg/kg	0.050	0.0094	
<b>TCMX (Surrogate)</b>	<b>B[10758-BLK1</b>	<b>99.1</b>	<b>%</b>	<b>20 - 130 (LCL - UCL)</b>		
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B[10758-BLK1</b>	<b>96.1</b>	<b>%</b>	<b>40 - 130 (LCL - UCL)</b>		

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0758</b>										
Aldrin	B[0758-BS1	LCS	0.0044980	0.0050676	mg/kg	88.8		70	130	
gamma-BHC (Lindane)	B[0758-BS1	LCS	0.0046885	0.0050676	mg/kg	92.5		60	140	
4,4'-DDT	B[0758-BS1	LCS	0.0064669	0.0050676	mg/kg	128		60	140	
Dieldrin	B[0758-BS1	LCS	0.0047517	0.0050676	mg/kg	93.8		70	130	
Endrin	B[0758-BS1	LCS	0.0054402	0.0050676	mg/kg	107		60	140	
Heptachlor	B[0758-BS1	LCS	0.0049247	0.0050676	mg/kg	97.2		60	140	
TCMX (Surrogate)	B[0758-BS1	LCS	0.0095693	0.010135	mg/kg	94.4		20	130	
Decachlorobiphenyl (Surrogate)	B[0758-BS1	LCS	0.018280	0.020270	mg/kg	90.2		40	130	

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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab	
								Percent Recovery	RPD		Percent Recovery
<b>QC Batch ID: B[0758]</b>		Used client sample: Y - Description: RB10-2, 08/31/2017 15:10									
Aldrin	MS	1724616-26	ND	0.0030607	0.0049180	mg/kg		62.2		50 - 140	A10
	MSD	1724616-26	ND	0.0027664	0.0049342	mg/kg	10.1	56.1	30	50 - 140	
gamma-BHC (Lindane)	MS	1724616-26	ND	0.0029869	0.0049180	mg/kg		60.7		50 - 140	A10
	MSD	1724616-26	ND	0.0027566	0.0049342	mg/kg	8.0	55.9	30	50 - 140	
<b>4,4'-DDT</b>	MS	<b>1724616-26</b>	<b>0.0056815</b>	<b>0.0078000</b>	<b>0.0049180</b>	<b>mg/kg</b>		<b>43.1</b>		<b>50 - 140</b>	<b>A10</b>
	MSD	<b>1724616-26</b>	<b>0.0056815</b>	<b>0.0056694</b>	<b>0.0049342</b>	<b>mg/kg</b>	<b>31.6</b>	<b>-0.2</b>	<b>30</b>	<b>50 - 140</b>	<b>Q03</b>
Dieldrin	MS	1724616-26	ND	0.0032377	0.0049180	mg/kg		65.8		40 - 140	A10
	MSD	1724616-26	ND	0.0029194	0.0049342	mg/kg	10.3	59.2	30	40 - 140	
Endrin	MS	1724616-26	ND	0.0033902	0.0049180	mg/kg		68.9		50 - 150	A10
	MSD	1724616-26	ND	0.0030740	0.0049342	mg/kg	9.8	62.3	30	50 - 150	
<b>Heptachlor</b>	MS	<b>1724616-26</b>	<b>ND</b>	<b>0.0031426</b>	<b>0.0049180</b>	<b>mg/kg</b>		<b>63.9</b>		<b>60 - 140</b>	<b>A10</b>
	MSD	<b>1724616-26</b>	<b>ND</b>	<b>0.0028470</b>	<b>0.0049342</b>	<b>mg/kg</b>	<b>9.9</b>	<b>57.7</b>	<b>30</b>	<b>60 - 140</b>	<b>Q03</b>
TCMX (Surrogate)	MS	1724616-26	ND	0.0068459	0.0098361	mg/kg		69.6		20 - 130	A10
	MSD	1724616-26	ND	0.0061941	0.0098684	mg/kg	10.0	62.8		20 - 130	
Decachlorobiphenyl (Surrogate)	MS	1724616-26	ND	0.012246	0.019672	mg/kg		62.3		40 - 130	A10
	MSD	1724616-26	ND	0.011082	0.019737	mg/kg	10.0	56.1		40 - 130	

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### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10756]</b>						
PCB-1016	B[10756-BLK1	ND	mg/kg	0.010	0.0039	
PCB-1221	B[10756-BLK1	ND	mg/kg	0.010	0.0072	
PCB-1232	B[10756-BLK1	ND	mg/kg	0.010	0.0074	
PCB-1242	B[10756-BLK1	ND	mg/kg	0.010	0.0042	
PCB-1248	B[10756-BLK1	ND	mg/kg	0.010	0.0070	
PCB-1254	B[10756-BLK1	ND	mg/kg	0.010	0.0032	
PCB-1260	B[10756-BLK1	ND	mg/kg	0.010	0.0029	
Total PCB's (Summation)	B[10756-BLK1	ND	mg/kg	0.010	0.0050	
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B[10756-BLK1</b>	<b>71.7</b>	<b>%</b>		<b>40 - 120 (LCL - UCL)</b>	

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### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0756</b>										
PCB-1016	B[0756-BS1	LCS	0.071864	0.084746	mg/kg	84.8		60	120	
PCB-1260	B[0756-BS1	LCS	0.074576	0.084746	mg/kg	88.0		60	120	
Decachlorobiphenyl (Surrogate)	B[0756-BS1	LCS	0.016949	0.020339	mg/kg	83.3		40	120	

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### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals	
								Percent Recovery	RPD		Percent Recovery
<b>QC Batch ID: B[0756]</b>		Used client sample: Y - Description: RB13-5, 08/31/2017 14:30									
PCB-1016	MS	1724616-32	ND	0.035811	0.084459	mg/kg		42.4		60 - 120	Q03
	MSD	1724616-32	ND	0.035254	0.084746	mg/kg	1.6	41.6	30	60 - 120	Q03
PCB-1260	MS	1724616-32	ND	0.034459	0.084459	mg/kg		40.8		60 - 120	Q03
	MSD	1724616-32	ND	0.034237	0.084746	mg/kg	0.6	40.4	30	60 - 120	Q03
Decachlorobiphenyl (Surrogate)	MS	1724616-32	ND	0.0084459	0.020270	mg/kg		41.7		40 - 120	
	MSD	1724616-32	ND	0.0091525	0.020339	mg/kg	8.0	45.0		40 - 120	

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**Reported:** 09/12/2017 11:31  
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## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10725]</b>						
2,4-D	B[10725-BLK1	ND	mg/kg	0.020	0.0058	
2,4-DB	B[10725-BLK1	ND	mg/kg	0.040	0.017	
Dalapon	B[10725-BLK1	ND	mg/kg	0.050	0.034	
Dicamba	B[10725-BLK1	ND	mg/kg	0.0020	0.0016	
Dichloroprop	B[10725-BLK1	ND	mg/kg	0.020	0.0055	
Dinoseb	B[10725-BLK1	ND	mg/kg	0.0070	0.0024	
2,4,5-T	B[10725-BLK1	ND	mg/kg	0.0030	0.0013	
2,4,5-TP (Silvex)	B[10725-BLK1	ND	mg/kg	0.0030	0.0012	
<b>2,4-Dichlorophenylacetic acid (Surrogate)</b>	<b>B[10725-BLK1</b>	<b>80.3</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		

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**Project Manager:** Matt Pendleton

## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0725</b>										
2,4-D	B[0725-BS1	LCS	0.087838	0.081081	mg/kg	108		50	120	
2,4-DB	B[0725-BS1	LCS	0.18209	0.18243	mg/kg	99.8		50	120	
Dicamba	B[0725-BS1	LCS	0.016554	0.020270	mg/kg	81.7		50	120	
Dichloroprop	B[0725-BS1	LCS	0.062500	0.081081	mg/kg	77.1		50	120	
Dinoseb	B[0725-BS1	LCS	0.037838	0.040541	mg/kg	93.3		50	120	
2,4,5-T	B[0725-BS1	LCS	0.019932	0.020270	mg/kg	98.3		30	120	
2,4,5-TP (Silvex)	B[0725-BS1	LCS	0.019257	0.020270	mg/kg	95.0		50	120	
2,4-Dichlorophenylacetic acid (Surrogate)	B[0725-BS1	LCS	0.10676	0.13514	mg/kg	79.0		40	120	

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## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab
									RPD	Percent Recovery	
<b>QC Batch ID: B[0725]</b>		Used client sample: Y - Description: RB9-3, 08/31/2017 14:05									
2,4-D	MS	1724616-25	ND	0.062951	0.078689	mg/kg		80.0		40 - 120	
	MSD	1724616-25	ND	0.042763	0.078947	mg/kg	38.2	54.2	30	40 - 120	Q02
2,4-DB	MS	1724616-25	ND	0.13279	0.17705	mg/kg		75.0		50 - 120	
	MSD	1724616-25	ND	0.098355	0.17763	mg/kg	29.8	55.4	30	50 - 120	
Dicamba	MS	1724616-25	ND	0.014098	0.019672	mg/kg		71.7		50 - 120	
	MSD	1724616-25	ND	0.0098684	0.019737	mg/kg	35.3	50.0	30	50 - 120	Q02
Dichloroprop	MS	1724616-25	ND	0.041967	0.078689	mg/kg		53.3		40 - 120	
	MSD	1724616-25	ND	0.032237	0.078947	mg/kg	26.2	40.8	30	40 - 120	
Dinoseb	MS	1724616-25	ND	0.026230	0.039344	mg/kg		66.7		40 - 130	
	MSD	1724616-25	ND	0.020066	0.039474	mg/kg	26.6	50.8	30	40 - 130	
2,4,5-T	MS	1724616-25	ND	0.014098	0.019672	mg/kg		71.7		30 - 120	
	MSD	1724616-25	ND	0.010855	0.019737	mg/kg	26.0	55.0	30	30 - 120	
2,4,5-TP (Silvex)	MS	1724616-25	ND	0.013443	0.019672	mg/kg		68.3		40 - 120	
	MSD	1724616-25	ND	0.0098684	0.019737	mg/kg	30.7	50.0	30	40 - 120	Q02
2,4-Dichlorophenylacetic acid (Surrogate)	MS	1724616-25	ND	0.10656	0.13115	mg/kg		81.3		40 - 120	
	MSD	1724616-25	ND	0.076645	0.13158	mg/kg	32.7	58.2		40 - 120	

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**Reported:** 09/12/2017 11:31  
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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10228</b>						
Benzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	B[10228-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10228]</b>						
trans-1,3-Dichloropropene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	B[10228-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	B[10228-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	B[10228-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2,2-Tetrachloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	B[10228-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	B[10228-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B[10228-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>B[10228-BLK1</b>	<b>103</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>B[10228-BLK1</b>	<b>102</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>B[10228-BLK1</b>	<b>95.1</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

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**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B[0228</b>											
Benzene	B[0228-BS1	LCS	0.14223	0.12500	mg/kg	114		70	130		
Bromodichloromethane	B[0228-BS1	LCS	0.11674	0.12500	mg/kg	93.4		70	130		
Chlorobenzene	B[0228-BS1	LCS	0.13054	0.12500	mg/kg	104		70	130		
Chloroethane	B[0228-BS1	LCS	0.10970	0.12500	mg/kg	87.8		70	130		
1,4-Dichlorobenzene	B[0228-BS1	LCS	0.12727	0.12500	mg/kg	102		70	130		
1,1-Dichloroethane	B[0228-BS1	LCS	0.13302	0.12500	mg/kg	106		70	130		
1,1-Dichloroethene	B[0228-BS1	LCS	0.12797	0.12500	mg/kg	102		70	130		
Toluene	B[0228-BS1	LCS	0.12212	0.12500	mg/kg	97.7		70	130		
Trichloroethene	B[0228-BS1	LCS	0.12078	0.12500	mg/kg	96.6		70	130		
1,2-Dichloroethane-d4 (Surrogate)	B[0228-BS1	LCS	0.050180	0.050000	mg/kg	100		70	121		
Toluene-d8 (Surrogate)	B[0228-BS1	LCS	0.049880	0.050000	mg/kg	99.8		81	117		
4-Bromofluorobenzene (Surrogate)	B[0228-BS1	LCS	0.050040	0.050000	mg/kg	100		74	121		

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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery		Lab
								RPD	Percent Recovery	
<b>QC Batch ID: B J0228</b>		Used client sample: N								
Benzene	MS	1722106-96	ND	0.13174	0.12500	mg/kg		105	70 - 130	
	MSD	1722106-96	ND	0.13261	0.12500	mg/kg	0.7	106	20	70 - 130
Bromodichloromethane	MS	1722106-96	ND	0.098330	0.12500	mg/kg		78.7	70 - 130	
	MSD	1722106-96	ND	0.11233	0.12500	mg/kg	13.3	89.9	20	70 - 130
Chlorobenzene	MS	1722106-96	ND	0.16760	0.12500	mg/kg		134	70 - 130	Q03
	MSD	1722106-96	ND	0.12239	0.12500	mg/kg	31.2	97.9	20	70 - 130
Chloroethane	MS	1722106-96	ND	0.13579	0.12500	mg/kg		109	70 - 130	
	MSD	1722106-96	ND	0.10979	0.12500	mg/kg	21.2	87.8	20	70 - 130
1,4-Dichlorobenzene	MS	1722106-96	ND	0.14509	0.12500	mg/kg		116	70 - 130	
	MSD	1722106-96	ND	0.12066	0.12500	mg/kg	18.4	96.5	20	70 - 130
1,1-Dichloroethane	MS	1722106-96	ND	0.12711	0.12500	mg/kg		102	70 - 130	
	MSD	1722106-96	ND	0.12588	0.12500	mg/kg	1.0	101	20	70 - 130
1,1-Dichloroethene	MS	1722106-96	ND	0.17495	0.12500	mg/kg		140	70 - 130	Q03
	MSD	1722106-96	ND	0.12637	0.12500	mg/kg	32.2	101	20	70 - 130
Toluene	MS	1722106-96	ND	0.15541	0.12500	mg/kg		124	70 - 130	
	MSD	1722106-96	ND	0.11481	0.12500	mg/kg	30.0	91.8	20	70 - 130
Trichloroethene	MS	1722106-96	ND	0.17005	0.12500	mg/kg		136	70 - 130	Q03
	MSD	1722106-96	ND	0.11561	0.12500	mg/kg	38.1	92.5	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1722106-96	ND	0.043230	0.050000	mg/kg		86.5	70 - 121	
	MSD	1722106-96	ND	0.049240	0.050000	mg/kg	13.0	98.5		70 - 121
Toluene-d8 (Surrogate)	MS	1722106-96	ND	0.047690	0.050000	mg/kg		95.4	81 - 117	
	MSD	1722106-96	ND	0.049410	0.050000	mg/kg	3.5	98.8		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1722106-96	ND	0.050040	0.050000	mg/kg		100	74 - 121	
	MSD	1722106-96	ND	0.050370	0.050000	mg/kg	0.7	101		74 - 121

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Project Manager: Matt Pendleton

## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10763]</b>						
TPH - Gasoline	B[10763-BLK1	ND	mg/kg	20	5.0	
TPH - Diesel (FFP)	B[10763-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil	B[10763-BLK1	ND	mg/kg	20	6.5	
<b>Tetracosane (Surrogate)</b>	<b>B[10763-BLK1</b>	<b>91.2</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		
<b>QC Batch ID: B[10772]</b>						
TPH - Gasoline	B[10772-BLK1	ND	mg/kg	20	5.0	
TPH - Diesel (FFP)	B[10772-BLK1	ND	mg/kg	10	1.2	
TPH - Motor Oil	B[10772-BLK1	ND	mg/kg	20	6.5	
<b>Tetracosane (Surrogate)</b>	<b>B[10772-BLK1</b>	<b>90.5</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0763]</b>										
TPH - Diesel (FFP)	B[0763-BS1	LCS	69.787	83.893	mg/kg	83.2		64 - 124		
Tetracosane (Surrogate)	B[0763-BS1	LCS	3.0554	3.3570	mg/kg	91.0		20 - 145		
<b>QC Batch ID: B[0772]</b>										
TPH - Diesel (FFP)	B[0772-BS1	LCS	72.197	84.746	mg/kg	85.2		64 - 124		
Tetracosane (Surrogate)	B[0772-BS1	LCS	3.0468	3.3912	mg/kg	89.8		20 - 145		

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**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent		Lab Quals
								Recovery	RPD	
<b>QC Batch ID: B[10763]</b>		Used client sample: N								
TPH - Diesel (FFP)	MS	1722106-56	ND	47.306	83.893	mg/kg		56.4		52 - 131
	MSD	1722106-56	ND	68.045	84.746	mg/kg	36.0	80.3	30	52 - 131
Tetracosane (Surrogate)	MS	1722106-56	ND	2.0178	3.3570	mg/kg		60.1		20 - 145
	MSD	1722106-56	ND	3.0485	3.3912	mg/kg	40.7	89.9		20 - 145
<b>QC Batch ID: B[10772]</b>		Used client sample: Y - Description: RB7-15, 08/31/2017 11:15								
TPH - Diesel (FFP)	MS	1724616-21	2.9247	69.762	81.967	mg/kg		81.5		52 - 131
	MSD	1724616-21	2.9247	65.413	82.508	mg/kg	6.4	75.7	30	52 - 131
Tetracosane (Surrogate)	MS	1724616-21	ND	2.8333	3.2800	mg/kg		86.4		20 - 145
	MSD	1724616-21	ND	2.6926	3.3017	mg/kg	5.1	81.6		20 - 145

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**Reported:** 09/12/2017 11:31  
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### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10353]</b>						
Mercury	B[10353-BLK1]	ND	mg/kg	0.16	0.019	
<b>QC Batch ID: B[10505]</b>						
Antimony	B[10505-BLK1]	ND	mg/kg	5.0	0.33	
Arsenic	B[10505-BLK1]	ND	mg/kg	1.0	0.40	
Barium	B[10505-BLK1]	ND	mg/kg	0.50	0.18	
Beryllium	B[10505-BLK1]	ND	mg/kg	0.50	0.047	
Cadmium	B[10505-BLK1]	ND	mg/kg	0.50	0.052	
Chromium	B[10505-BLK1]	ND	mg/kg	0.50	0.050	
Cobalt	B[10505-BLK1]	ND	mg/kg	2.5	0.098	
Copper	B[10505-BLK1]	ND	mg/kg	1.0	0.050	
Lead	B[10505-BLK1]	ND	mg/kg	2.5	0.28	
Molybdenum	B[10505-BLK1]	ND	mg/kg	2.5	0.050	
Nickel	B[10505-BLK1]	ND	mg/kg	0.50	0.15	
Selenium	B[10505-BLK1]	ND	mg/kg	1.0	0.98	
Silver	B[10505-BLK1]	ND	mg/kg	0.50	0.067	
Thallium	B[10505-BLK1]	ND	mg/kg	5.0	0.64	
Vanadium	B[10505-BLK1]	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B[10505-BLK1]</b>	<b>0.14041</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>
<b>QC Batch ID: B[10577]</b>						
Antimony	B[10577-BLK1]	ND	mg/kg	5.0	0.33	
Arsenic	B[10577-BLK1]	ND	mg/kg	1.0	0.40	
Barium	B[10577-BLK1]	ND	mg/kg	0.50	0.18	
Beryllium	B[10577-BLK1]	ND	mg/kg	0.50	0.047	
Cadmium	B[10577-BLK1]	ND	mg/kg	0.50	0.052	
Chromium	B[10577-BLK1]	ND	mg/kg	0.50	0.050	
Cobalt	B[10577-BLK1]	ND	mg/kg	2.5	0.098	
<b>Copper</b>	<b>B[10577-BLK1]</b>	<b>0.10155</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.050</b>	<b>J</b>
Lead	B[10577-BLK1]	ND	mg/kg	2.5	0.28	
<b>Molybdenum</b>	<b>B[10577-BLK1]</b>	<b>0.12026</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.050</b>	<b>J</b>
Nickel	B[10577-BLK1]	ND	mg/kg	0.50	0.15	
Selenium	B[10577-BLK1]	ND	mg/kg	1.0	0.98	
Silver	B[10577-BLK1]	ND	mg/kg	0.50	0.067	
Thallium	B[10577-BLK1]	ND	mg/kg	5.0	0.64	

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### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10577]</b>						
Vanadium	B[10577-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B[10577-BLK1</b>	<b>0.27278</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>
<b>QC Batch ID: B[10788]</b>						
Antimony	B[10788-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	B[10788-BLK1	ND	mg/kg	1.0	0.40	
Barium	B[10788-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	B[10788-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	B[10788-BLK1	ND	mg/kg	0.50	0.052	
Chromium	B[10788-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	B[10788-BLK1	ND	mg/kg	2.5	0.098	
Copper	B[10788-BLK1	ND	mg/kg	1.0	0.050	
Lead	B[10788-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	B[10788-BLK1	ND	mg/kg	2.5	0.050	
Nickel	B[10788-BLK1	ND	mg/kg	0.50	0.15	
Selenium	B[10788-BLK1	ND	mg/kg	1.0	0.98	
Silver	B[10788-BLK1	ND	mg/kg	0.50	0.067	
Thallium	B[10788-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	B[10788-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B[10788-BLK1</b>	<b>0.11459</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Total Concentrations (TTLIC)

Quality Control Report - Laboratory Control Sample

Table with columns: Constituent, QC Sample ID, Type, Result, Spike Level, Units, Percent Recovery, RPD, Control Limits (Percent Recovery, RPD), Lab (Quals). Includes three QC batches: B[0353], B[0505], and B[0577].

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#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B[0577]</b>										
Vanadium	B[0577-BS1	LCS	110.20	100.00	mg/kg	110		75 - 125		
Zinc	B[0577-BS1	LCS	97.884	100.00	mg/kg	97.9		75 - 125		
<b>QC Batch ID: B[0788]</b>										
Antimony	B[0788-BS1	LCS	98.872	100.00	mg/kg	98.9		75 - 125		
Arsenic	B[0788-BS1	LCS	9.3718	10.000	mg/kg	93.7		75 - 125		
Barium	B[0788-BS1	LCS	104.26	100.00	mg/kg	104		75 - 125		
Beryllium	B[0788-BS1	LCS	9.8709	10.000	mg/kg	98.7		75 - 125		
Cadmium	B[0788-BS1	LCS	9.5444	10.000	mg/kg	95.4		75 - 125		
Chromium	B[0788-BS1	LCS	103.53	100.00	mg/kg	104		75 - 125		
Cobalt	B[0788-BS1	LCS	99.107	100.00	mg/kg	99.1		75 - 125		
Copper	B[0788-BS1	LCS	93.117	100.00	mg/kg	93.1		75 - 125		
Lead	B[0788-BS1	LCS	98.088	100.00	mg/kg	98.1		75 - 125		
Molybdenum	B[0788-BS1	LCS	97.664	100.00	mg/kg	97.7		75 - 125		
Nickel	B[0788-BS1	LCS	106.40	100.00	mg/kg	106		75 - 125		
Selenium	B[0788-BS1	LCS	9.2728	10.000	mg/kg	92.7		75 - 125		
Silver	B[0788-BS1	LCS	9.3633	10.000	mg/kg	93.6		75 - 125		
Thallium	B[0788-BS1	LCS	107.56	100.00	mg/kg	108		75 - 125		
Vanadium	B[0788-BS1	LCS	101.24	100.00	mg/kg	101		75 - 125		
Zinc	B[0788-BS1	LCS	95.149	100.00	mg/kg	95.1		75 - 125		

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### Total Concentrations (TTLC)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: B[0353]</b>		Used client sample: Y - Description: RB4-2, 08/31/2017 11:45								
Mercury	DUP	1724616-10	0.023934	0.048525		mg/kg	67.9		20	J,A02
	MS	1724616-10	0.023934	0.93984	0.81967	mg/kg		112	80 - 120	
	MSD	1724616-10	0.023934	0.91770	0.81967	mg/kg	2.4	109	20 80 - 120	
<b>QC Batch ID: B[0505]</b>		Used client sample: Y - Description: RB4-2, 08/31/2017 11:45								
Antimony	DUP	1724616-10	ND	ND		mg/kg			20	
	MS	1724616-10	ND	28.746	100.00	mg/kg		28.7	16 - 119	
	MSD	1724616-10	ND	31.948	100.00	mg/kg	10.6	31.9	20 16 - 119	
Arsenic	DUP	1724616-10	1.8886	1.9584		mg/kg	3.6		20	
	MS	1724616-10	1.8886	10.316	10.000	mg/kg		84.3	75 - 125	
	MSD	1724616-10	1.8886	10.482	10.000	mg/kg	1.6	85.9	20 75 - 125	
Barium	DUP	1724616-10	96.524	100.67		mg/kg	4.2		20	
	MS	1724616-10	96.524	187.62	100.00	mg/kg		91.1	75 - 125	
	MSD	1724616-10	96.524	192.92	100.00	mg/kg	2.8	96.4	20 75 - 125	
Beryllium	DUP	1724616-10	0.24075	0.25685		mg/kg	6.5		20	J
	MS	1724616-10	0.24075	8.7554	10.000	mg/kg		85.1	75 - 125	
	MSD	1724616-10	0.24075	9.1220	10.000	mg/kg	4.1	88.8	20 75 - 125	
Cadmium	DUP	1724616-10	0.30113	0.30821		mg/kg	2.3		20	J
	MS	1724616-10	0.30113	8.3408	10.000	mg/kg		80.4	75 - 125	
	MSD	1724616-10	0.30113	9.1291	10.000	mg/kg	9.0	88.3	20 75 - 125	
Chromium	DUP	1724616-10	11.687	13.490		mg/kg	14.3		20	
	MS	1724616-10	11.687	97.559	100.00	mg/kg		85.9	75 - 125	
	MSD	1724616-10	11.687	105.45	100.00	mg/kg	7.8	93.8	20 75 - 125	
Cobalt	DUP	1724616-10	3.6349	4.0951		mg/kg	11.9		20	
	MS	1724616-10	3.6349	84.730	100.00	mg/kg		81.1	75 - 125	
	MSD	1724616-10	3.6349	91.428	100.00	mg/kg	7.6	87.8	20 75 - 125	
Copper	DUP	1724616-10	7.2342	7.4506		mg/kg	2.9		20	
	MS	1724616-10	7.2342	91.206	100.00	mg/kg		84.0	75 - 125	
	MSD	1724616-10	7.2342	100.66	100.00	mg/kg	9.9	93.4	20 75 - 125	
Lead	DUP	1724616-10	8.6257	7.3525		mg/kg	15.9		20	
	MS	1724616-10	8.6257	89.329	100.00	mg/kg		80.7	75 - 125	
	MSD	1724616-10	8.6257	98.444	100.00	mg/kg	9.7	89.8	20 75 - 125	
Molybdenum	DUP	1724616-10	0.81980	0.72958		mg/kg	11.6		20	J
	MS	1724616-10	0.81980	79.876	100.00	mg/kg		79.1	75 - 125	
	MSD	1724616-10	0.81980	86.053	100.00	mg/kg	7.4	85.2	20 75 - 125	
Nickel	DUP	1724616-10	7.8369	8.7815		mg/kg	11.4		20	
	MS	1724616-10	7.8369	93.326	100.00	mg/kg		85.5	75 - 125	
	MSD	1724616-10	7.8369	100.58	100.00	mg/kg	7.5	92.7	20 75 - 125	

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Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes QC Batch IDs B|I0505 and B|I0577.

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Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quails. Includes data for Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quails. Includes data for Antimony, Arsenic, and Barium.

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Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes data for various elements like Beryllium, Cadmium, Chromium, etc.

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**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A02 The difference between duplicate readings is less than the quantitation limit.
- A03 The sample concentration is more than 4 times the spike level.
- A07 Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
- A10 Detection and quantitation limits were raised due to matrix interference.
- A19 Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
- A52 Chromatogram not typical of diesel.
- A57 Chromatogram not typical of motor oil.
- Q01 Sample precision is not within the control limits.
- Q02 Matrix spike precision is not within the control limits.
- Q03 Matrix spike recovery(s) is(are) not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.

# Appendix C

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Soil Vapor Laboratory Report



September 1, 2017

Ms. Devin DiNapoli  
Rincon Consultants, Inc.  
180 North Ashwood Avenue  
Ventura, CA 93003

Dear Ms. DiNapoli:

This letter presents the results of the soil vapor investigation conducted by Optimal Technology (Optimal), for Rincon Consultants, Inc. on August 31, 2017. The study was performed at 1516 Lincoln Ave., Anaheim, California.

Optimal was contracted to perform a soil vapor survey at this site to screen for possible chlorinated solvents and aromatic hydrocarbons. The primary objective of this soil vapor investigation was to determine if soil vapor contamination is present in the subsurface soil.

### **Gas Sampling Method**

Gas sampling was performed by hydraulically pushing soil gas probes to a depth of 5.0 feet below ground surface (bgs). An electric rotary hammer drill was used to drill a 1.0-inch diameter hole through the overlying surface to allow probe placement when required. The same electric hammer drill was used to push probes in areas of resistance during placement.

At each sampling location, an electric vacuum pump set to draw 0.2 liters per minute (L/min) of soil vapor was attached to the probe and purged prior to sample collection. Vapor samples were obtained in Hamilton gas-tight syringes by puncturing tubing which connects the sampling probe and the vacuum pump. New tubing was used at each sampling point to prevent cross contamination. Samples were immediately injected into the gas chromatograph after collection.

All analyses were performed on a laboratory grade Hewlett Packard model 5890 Series II gas chromatograph equipped with a Flame Ionization Detector (FID) and an Electron Capture Detector (ECD). Restec wide bore capillary columns using hydrogen as the carrier gases were used to perform all analysis. All results were collected on a personal computer utilizing Hewlett Packard's PC based chromatographic data collection and handling system.



## Quality Assurance

### *5-Point Calibration*

The initial five-point calibration consisted of 20, 50, 100, 200 and 500 ul injections of the calibration standard. A calibration factor on each analyte was generated using a best fit line method using the HP data system. If the  $r^2$  factor generated from this line was not greater than 0.990, an additional five-point calibration would have been performed. Method reporting limits were calculated to be 0.004-5.0 micrograms per Liter (ug/L) for the individual compounds.

A daily calibration check and end of run calibration check was performed using a pre-mixed standard supplied by Scotty Analyzed Gases. The standard contained common halogenated solvents and aromatic hydrocarbons (see Table 1). The individual compound concentrations in the standards ranged between 0.025 nanograms per microliter (ng/ul) and 0.25 ng/ul.

**TABLE 1**

Dichlorodifluoromethane	Carbon Tetrachloride	Chloroethane
Trichlorofluoromethane	1,2-Dichloroethane	Benzene
1,1-Dichloroethene	Trichloroethene	Toluene
Methylene Chloride	1,1,2-Trichloroethane	Ethylbenzene
trans-1,2-Dichloroethene	Tetrachloroethene	m-/p-Xylene
1,1-Dichloroethane	Chloroform	o-Xylene
cis-1,2-Dichloroethene	1,1,1,2-Tetrachloroethane	Vinyl Chloride
1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	Freon 113
4-Methyl-2-Pentanone	Cyclohexane	Acetone
Chlorobenzene	2-Butanone	Methane
Isobutane		

### *Sample Replicates*

A replicate analysis (duplicate) was run to evaluate the reproducibility of the sampling system and instrument. The difference between samples did not vary more than 20%.

### *Equipment Blanks*

Blanks were run at the beginning of each workday and after calibrations. The blanks were collected using an ambient air sample. These blanks checked the septum, syringe, GC column, GC detector and the ambient air. Contamination was not found in any of the blanks analyzed during this investigation. Blank results are given along with the sample results.

### *Tracer Gas Leak Test*

A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the tubing meets the probe connection and the surface bentonite seals. Isobutane was used as the tracer gas. No Isobutane was found in any of the samples collected.

### *Purge Volume*

The standard purge volume of three volumes was purged in accordance with the July 2015 DTSC/RWQCB Advisory for Active Soil Gas Investigations.

### *Shut-in Test*

A shut-in test was conducted prior to purging or sampling each location to check for leaks in the above-ground sampling system. The system was evaluated to a minimum measured vacuum of 100 inches of water. The vacuum gauge was calibrated and sensitive enough to indicate a water pressure change of at least 0.5 inches.

### **Scope of Work**

To achieve the objective of this investigation a total of 13 vapor samples were collected from 12 locations at the site. Sampling depths, vacuum readings, purge volume and sampling volumes are given on the analytical results page. All the collected vapor samples were analyzed on-site using Optimal's mobile laboratory.

### **Subsurface Conditions**

Subsurface soil conditions at this site offered sampling flows at 0-20" water vacuum. Depth to groundwater was unknown at the time of the investigation.

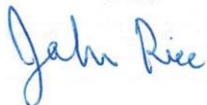
### **Results**

During this vapor investigation, three samples contained levels of Methane ranging from 5.45 ug/L to 162.35 ug/L. Two samples contained levels of Trichloroethene (TCE) ranging from 0.18 ug/L to 1.09 ug/L. None of the other compounds listed in Table 1 above were detected above the listed reporting limits. A complete table of analytical results is included with this report.

### **Disclaimer**

All conclusions presented in this letter are based solely on the information collected by the soil vapor survey conducted by Optimal Technology. Soil vapor testing is only a subsurface screening tool and does not represent actual contaminant concentrations in either the soil and/or groundwater. We enjoyed working with you on this project and look forward to future projects. If you have any questions please contact me at (877) 764-5427.

Sincerely,



John Rice  
Project Manager





## **APPENDIX H3**

# **HAZARDOUS BUILDING MATERIAL SURVEY**