



Thursday, March 26, 2020

Ross Talboom  
EOG Resources  
600 17th Street, Suite 1000N  
Denver, CO 80202

Re: ALS Workorder: 2003352  
Project Name: Simba 1-06 SWD February 12, 2020 Spill, After Additional Excavati  
Project Number:

Dear Mr. Talboom:

Two soil samples were received from EOG Resources, on 3/19/2020. The samples were scheduled for the following analyses:

GC/MS Volatiles

Inorganics

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental  
Katie M. O'Brien  
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
AIHA	214884
Alaska (AK)	UST-086
Alaska (AK)	CO01099
Arizona (AZ)	AZ0742
California (CA)	06251CA
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
PJ-LA (DoD ELAP/ISO 170250)	95377
Louisiana (LA)	05057
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO000782008A
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	2976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280



## 2003352

### **GC/MS Volatiles:**

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

### **GRO:**

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10.

All acceptance criteria were met.

### **DRO:**

The samples were analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

### **Inorganics:**

The samples were analyzed following USDA Handbook 60 Chapter 6 procedures for the current revision of the following SOP and method:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
Electrical conductivity	USDA60	810 Draft
Sodium Adsorption Ratio	USDA60	810 Draft
Paste pH	USDA60	810 Draft

All acceptance criteria were met.

# ALS -- Fort Collins

## Sample Number(s) Cross-Reference Table

---

**OrderNum:** 2003352

**Client Name:** EOG Resources

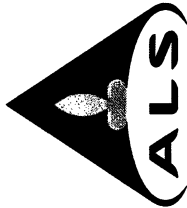
**Client Project Name:** Simba 1-06 SWD February 12, 2020 Spill, After Additional Excav

**Client Project Number:**

**Client PO Number:**

---

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Simba #2 - Next to Offload, RET	2003352-1		SOIL	18-Mar-20	15:47
Simba #3 - West Edge, RETEST	2003352-2		SOIL	18-Mar-20	15:59
Simba #2 - Next to Offload, RET	2003352-3		SatExtract	18-Mar-20	15:47
Simba #3 - West Edge, RETEST	2003352-4		SatExtract	18-Mar-20	15:59



☐ ALS Environmental  
10450 Stanciff Rd. #210  
Houston, Texas 77099  
(Tel) 281.530.5656  
(Fax) 281.530.5887

## Chain of Custody Form

Page 1 of 1

☐ ALS Environmental  
3352 128th Avenue  
Holland, Michigan 49424  
(Tel) 616.399.6070  
(Fax) 616.399.6185

2003352

Customer Information		ALS Project Manager:		ALS Work Order #:														
Project Information		Project Name		Parameter/Method Request for Analysis														
Purchase Order	Project Name	Simba 1-06 SWD February 12, 2020 Spill, After Additional Excavation		TPH														
Work Order	Project Number			BTEX														
Company Name	Bill To Company	EOG Resources, Inc.		EC														
Send Report To	Invoice Attn.	Ross Talboom		pH														
Address	Address	600 17th St. 1000N		SAR														
City/State/Zip	City/State/Zip	Denver, CO 80210																
Phone	Phone	303-565-9941																
Fax	Fax																	
e-Mail Address	ross_talboom@cogresources.com	mark_smith@cogresources.com																
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	Simba #2 - Next to Offload, RETEST	3/18/2020	3:47 PM	Soil/Sand		2	X	X	X	X	X	(3)						
2	Simba #3 - West Edge, RETEST	3/18/2020	3:59 PM	Soil/Sand		2	X	X	X	X	X	(8)						
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
Sampler(s): Please Print & Sign		Shipment Method:		Turnaround Time in Business Days (BD):		Results Due Date:												
Mark D. Smith		Drop off		<input type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 1 BD		Rush - ASAP												
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:												
Mark D. Smith	3/19/2020	1:00 PM	Rob Patterson	3/19/2020	2:30 PM	2												
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	QC Package: (Check Box Below)												
Rob Patterson	3/19/2020	3:00 PM	3/19/20	4:30		<input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data												
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			<input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV												
5 of 1						<input type="checkbox"/> Level IV: SW846 Methods/CLP like												
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-None/4°C						Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.												



**ALS Environmental - Fort Collins**  
**CONDITION OF SAMPLE UPON RECEIPT FORM**

Client: EOG

Workorder No: 2003352

Project Manager: KNO

Initials: JM

Date: 3/12/20

1. Are airbills / shipping documents present and/or removable?	<u>DROP OFF</u>	YES	NO
2. Are custody seals on <b>shipping</b> containers intact?	<u>NONE</u>	YES	NO *
3. Are custody seals on <b>sample</b> containers intact?	<u>NONE</u>	YES	NO *
4. Is there a COC (chain-of-custody) present?		<u>YES</u>	NO *
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)		<u>YES</u>	NO *
6. Are short-hold samples present?		YES	<u>NO</u>
7. Are all samples within holding times for the requested analyses?		<u>YES</u>	NO *
8. Were all sample containers received intact? (not broken or leaking)		<u>YES</u>	NO *
9. Is there sufficient sample for the requested analyses?		<u>YES</u>	NO *
10. Are samples in proper containers for requested analyses? (form 250, Sample Handling Guidelines)		<u>YES</u>	NO *
11. Are all aqueous samples preserved correctly, if required? (excluding volatiles)	<u>N/A</u>	YES	NO *
12. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm (1/4 inch) diameter? (i.e. size of green pea)	<u>N/A</u>	YES	NO
13. Were the samples shipped on ice?		YES	<u>NO</u>
14. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: #3 #5	RAD ONLY	YES <u>NO</u>

Cooler #: 1

Temperature (°C): 5

# of custody seals on cooler: 0

External mR/hr reading: 1

Background mR/hr reading: 12

Were external mR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / NA (If no, see Form 008.)

\* Please provide details here for NO responses to gray boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Were unpreserved bottles pH checked? YES / NA

All client bottle ID's vs ALS lab ID's double-checked by: JM

If applicable, was the client contacted? YES / NO / NA Contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Project Manager Signature / Date: [Signature] 3/20/20

<b>Client:</b>	EOG Resources	<b>Date:</b>	26-Mar-20
<b>Project:</b>	Simba 1-06 SWD February 12, 2020 Spill, After Additional	<b>Work Order:</b>	2003352
<b>Sample ID:</b>	Simba #2 - Next to Offload, RETEST	<b>Lab ID:</b>	2003352-1
<b>Legal Location:</b>		<b>Matrix:</b>	SOIL
<b>Collection Date:</b>	3/18/2020 15:47	<b>Percent Moisture:</b>	11.7

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>						
Diesel Range Organics	ND		SW8015M	8.9 MG/KG	1	Prep Date: 3/20/2020 PrepBy: CCL 3/23/2020 13:55
Surr: O-TERPHENYL	88		56-120	%REC	1	3/23/2020 13:55
<b>Gasoline Range Organics</b>						
GASOLINE RANGE ORGANICS	ND		SW8015	0.55 MG/KG	1	Prep Date: 3/20/2020 PrepBy: CCL 3/20/2020 15:01
Surr: 2,3,4-TRIFLUOROTOLUENE	93		80-120	%REC	1	3/20/2020 15:01
<b>GC/MS Volatiles</b>						
BENZENE	ND		SW8260	5.5 UG/KG	1	Prep Date: 3/24/2020 PrepBy: JXK 3/24/2020 15:18
TOLUENE	ND			5.5 UG/KG	1	3/24/2020 15:18
ETHYLBENZENE	ND			5.5 UG/KG	1	3/24/2020 15:18
M+P-XYLENE	ND			5.5 UG/KG	1	3/24/2020 15:18
O-XYLENE	ND			5.5 UG/KG	1	3/24/2020 15:18
TOTAL XYLENES	ND			5 UG/KG	1	3/24/2020 15:18
Surr: DIBROMOFLUOROMETHANE	111		77-125	%REC	1	3/24/2020 15:18
Surr: TOLUENE-D8	94		80-120	%REC	1	3/24/2020 15:18
Surr: 4-BROMOFLUOROBENZENE	86		71-121	%REC	1	3/24/2020 15:18
<b>Sodium Adsorption Ratio</b>						
PASTE PH	6.9		USDA60	0.1 pH	1	Prep Date: 3/25/2020 PrepBy: KJS 3/25/2020

<b>Client:</b>	EOG Resources	<b>Date:</b>	26-Mar-20
<b>Project:</b>	Simba 1-06 SWD February 12, 2020 Spill, After Additional	<b>Work Order:</b>	2003352
<b>Sample ID:</b>	Simba #3 - West Edge, RETEST	<b>Lab ID:</b>	2003352-2
<b>Legal Location:</b>		<b>Matrix:</b>	SOIL
<b>Collection Date:</b>	3/18/2020 15:59	<b>Percent Moisture:</b>	6.6

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>3/20/2020</b>	PrepBy: <b>CCL</b>
Diesel Range Organics	13	M	8.4	MG/KG	1	3/23/2020 15:00
Surr: O-TERPHENYL	88		56-120	%REC	1	3/23/2020 15:00
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>3/20/2020</b>	PrepBy: <b>CCL</b>
GASOLINE RANGE ORGANICS	ND		0.51	MG/KG	1	3/20/2020 15:23
Surr: 2,3,4-TRIFLUOROTOLUENE	93		80-120	%REC	1	3/20/2020 15:23
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>3/24/2020</b>	PrepBy: <b>JXK</b>
BENZENE	ND		5.3	UG/KG	1	3/24/2020 15:41
TOLUENE	ND		5.3	UG/KG	1	3/24/2020 15:41
ETHYLBENZENE	ND		5.3	UG/KG	1	3/24/2020 15:41
M+P-XYLENE	ND		5.3	UG/KG	1	3/24/2020 15:41
O-XYLENE	ND		5.3	UG/KG	1	3/24/2020 15:41
TOTAL XYLENES	ND		5	UG/KG	1	3/24/2020 15:41
Surr: DIBROMOFLUOROMETHANE	111		77-125	%REC	1	3/24/2020 15:41
Surr: TOLUENE-D8	95		80-120	%REC	1	3/24/2020 15:41
Surr: 4-BROMOFLUOROBENZENE	89		71-121	%REC	1	3/24/2020 15:41
<b>Sodium Adsorption Ratio</b>			<b>USDA60</b>		Prep Date: <b>3/25/2020</b>	PrepBy: <b>KJS</b>
PASTE PH	7		0.1	pH	1	3/25/2020



<b>Client:</b>	EOG Resources	<b>Date:</b>	26-Mar-20
<b>Project:</b>	Simba 1-06 SWD February 12, 2020 Spill, After Additional	<b>Work Order:</b>	2003352
<b>Sample ID:</b>	Simba #2 - Next to Offload, RETEST	<b>Lab ID:</b>	2003352-3
<b>Legal Location:</b>		<b>Matrix:</b>	SATEXTRACT
<b>Collection Date:</b>	3/18/2020 15:47	<b>Percent Moisture:</b>	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>ICP Metals</b>						
		<b>USDA60</b>			Prep Date: <b>3/23/2020</b>	PrepBy: <b>JML</b>
CALCIUM	90		10	MG/L	10	3/24/2020 11:54
MAGNESIUM	12		10	MG/L	10	3/24/2020 11:54
SODIUM	13		10	MG/L	10	3/24/2020 11:54
<b>Sodium Adsorption Ratio</b>						
		<b>USDA60</b>			Prep Date: <b>3/25/2020</b>	PrepBy: <b>KJS</b>
ELECTRICAL CONDUCTIVITY @ SATURATION	590		1	umhos/cm	1	3/25/2020
SODIUM ADSORPTION RATIO	0.33		0.54	NU	10	3/24/2020 11:54

<b>Client:</b>	EOG Resources	<b>Date:</b>	26-Mar-20
<b>Project:</b>	Simba 1-06 SWD February 12, 2020 Spill, After Additional	<b>Work Order:</b>	2003352
<b>Sample ID:</b>	Simba #3 - West Edge, RETEST	<b>Lab ID:</b>	2003352-4
<b>Legal Location:</b>		<b>Matrix:</b>	SATEXTRACT
<b>Collection Date:</b>	3/18/2020 15:59	<b>Percent Moisture:</b>	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>ICP Metals</b>						
		<b>USDA60</b>			Prep Date: <b>3/23/2020</b>	PrepBy: <b>JML</b>
CALCIUM	69		10	MG/L	10	3/24/2020 11:56
MAGNESIUM	10		10	MG/L	10	3/24/2020 11:56
SODIUM	32		10	MG/L	10	3/24/2020 11:56
<b>Sodium Adsorption Ratio</b>						
		<b>USDA60</b>			Prep Date: <b>3/25/2020</b>	PrepBy: <b>KJS</b>
ELECTRICAL CONDUCTIVITY @ SATURATION	570		1	umhos/cm	1	3/25/2020
SODIUM ADSORPTION RATIO	0.94		0.54	NU	10	3/24/2020 11:56

<b>Client:</b>	EOG Resources	<b>Date:</b>	26-Mar-20
<b>Project:</b>	Simba 1-06 SWD February 12, 2020 Spill, After Additional	<b>Work Order:</b>	2003352
<b>Sample ID:</b>	Simba #3 - West Edge, RETEST	<b>Lab ID:</b>	2003352-4
<b>Legal Location:</b>		<b>Matrix:</b>	SATEXTRACT
<b>Collection Date:</b>	3/18/2020 15:59	<b>Percent Moisture:</b>	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
----------	--------	------	--------------	-------	-----------------	---------------

### Explanation of Qualifiers

#### Radiochemistry:

- "Report Limit" is the MDC	M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
U or ND - Result is less than the sample specific MDC.	L - LCS Recovery below lower control limit.
Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.	H - LCS Recovery above upper control limit.
Y2 - Chemical Yield outside default limits.	P - LCS, Matrix Spike Recovery within control limits.
W - DER is greater than Warning Limit of 1.42	N - Matrix Spike Recovery outside control limits
* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.	NC - Not Calculated for duplicate results less than 5 times MDC
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.	B - Analyte concentration greater than MDC.
G - Sample density differs by more than 15% of LCS density.	B3 - Analyte concentration greater than MDC but less than Requested MDC.
D - DER is greater than Control Limit	
M - Requested MDC not met.	

#### Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

\* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

#### Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.

E - Analyte concentration exceeds the upper level of the calibration range.

J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).

A - A tentatively identified compound is a suspected aldol-condensation product.

X - The analyte was diluted below an accurate quantitation level.

\* - The spike recovery is equal to or outside the control criteria used.

+ - The relative percent difference (RPD) equals or exceeds the control criteria.

G - A pattern resembling gasoline was detected in this sample.

D - A pattern resembling diesel was detected in this sample.

M - A pattern resembling motor oil was detected in this sample.

C - A pattern resembling crude oil was detected in this sample.

4 - A pattern resembling JP-4 was detected in this sample.

5 - A pattern resembling JP-5 was detected in this sample.

H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.

L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.

Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:

- gasoline
- JP-8
- diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

## ALS -- Fort Collins

Date: 3/26/2020 12:52

Client: EOG Resources

## QC BATCH REPORT

Work Order: 2003352

Project: Simba 1-06 SWD February 12, 2020 Spill, Afte

Batch ID: HC200320-61-1

Instrument ID FUELS-1

Method: SW8015

LCS	Sample ID: <b>HC200320-61</b>				Units: <b>MG/KG</b>		Analysis Date: <b>3/20/2020 14:18</b>				
Client ID:	Run ID: <b>HC200320-6A</b>				Prep Date: <b>3/20/2020</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.62	0.5	2.5		105	78-120				20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.474		0.5		95	80-120					

LCSD	Sample ID: <b>HC200320-61</b>				Units: <b>MG/KG</b>		Analysis Date: <b>3/20/2020 15:46</b>				
Client ID:	Run ID: <b>HC200320-6A</b>				Prep Date: <b>3/20/2020</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.6	0.5	2.5		104	78-120		2.62	0	20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.465		0.5		93	80-120			2		

MB	Sample ID: HC200320-61			Units: MG/KG		Analysis Date: 3/20/2020 14:40		
Client ID:		Run ID: HC200320-6A			Prep Date: 3/20/2020		DF: 1	
Analyte		Result	ReportLimit		Qual			
GASOLINE RANGE ORGANICS		ND	0.5					
Surr: 2,3,4-TRIFLUOROTOLUENE		0.458			92	80-120		

The following samples were analyzed in this batch:

2003352-1 2003352-2

**Client:** EOG Resources  
**Work Order:** 2003352  
**Project:** Simba 1-06 SWD February 12, 2020 Spill, Afte

## QC BATCH REPORT

Batch ID: **HC200320-82-1**      Instrument ID **FUELS-1**      Method: **SW8015M**

LCS	Sample ID: <b>HC200320-82</b>				Units: <b>MG/KG</b>		Analysis Date: <b>3/23/2020 13:11</b>				
Client ID:	Run ID: <b>HC200323-8A</b>				Prep Date: <b>3/20/2020</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	65.9	8	62.5		106	75-124				20	
Surr: O-TERPHENYL	10.1		12.5		81	56-120					

LCSD	Sample ID: HC200320-82				Units: MG/KG		Analysis Date: 3/23/2020 13:33				
Client ID:	Run ID: HC200323-8A				Prep Date: 3/20/2020			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	65.7	8	62.5		105	75-124		65.9	0	20	
Surr: O-TERPHENYL	10		12.5		80	56-120			1		

<b>MB</b>	Sample ID: <b>HC200320-82</b>			Units: <b>MG/KG</b>		Analysis Date: <b>3/23/2020 12:49</b>			
Client ID:		Run ID: <b>HC200323-8A</b>			Prep Date: <b>3/20/2020</b>		DF: <b>1</b>		
Analyte		Result	ReportLimit						Qual
Diesel Range Organics		ND	8						
Surr: O-TERPHENYL		10.2			82	56-120			

The following samples were analyzed in this batch:

2003352-1	2003352-2
-----------	-----------

Client: EOG Resources  
 Work Order: 2003352  
 Project: Simba 1-06 SWD February 12, 2020 Spill, Afte

# QC BATCH REPORT

Batch ID: **VL200324-2-1** Instrument ID **HPV2** Method: **SW8260**

LCS	Sample ID: VL200324-2			Units: UG/KG			Analysis Date: 3/24/2020 13:22				
Client ID:	Run ID: VL200324-2A			Prep Date: 3/24/2020			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	40.5	5	40		101	70-129				30	
TOLUENE	35.4	5	40		88	68-125				30	
ETHYLBENZENE	35.6	5	40		89	70-123				30	
M+P-XYLENE	70.6	5	80		88	72-123				30	
O-XYLENE	35.5	5	40		89	73-121				30	
Surr: DIBROMOFLUOROMETHANE	53.3		50		107	77-125					
Surr: TOLUENE-D8	46.6		50		93	80-120					
Surr: 4-BROMOFLUOROBENZENE	48.3		50		97	71-121					

LCSD	Sample ID: VL200324-2			Units: UG/KG			Analysis Date: 3/24/2020 13:45				
Client ID:	Run ID: VL200324-2A			Prep Date: 3/24/2020			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	44.2	5	40		111	70-129		40.5	9	30	
TOLUENE	37.1	5	40		93	68-125		35.4	5	30	
ETHYLBENZENE	38.2	5	40		96	70-123		35.6	7	30	
M+P-XYLENE	75.2	5	80		94	72-123		70.6	6	30	
O-XYLENE	38	5	40		95	73-121		35.5	7	30	
Surr: DIBROMOFLUOROMETHANE	53.7		50		107	77-125			1		
Surr: TOLUENE-D8	45.7		50		91	80-120			2		
Surr: 4-BROMOFLUOROBENZENE	47.6		50		95	71-121			2		

MB		Sample ID: VL200324-2		Units: UG/KG		Analysis Date: 3/24/2020 14:31	
Client ID:		Run ID: VL200324-2A		Prep Date: 3/24/2020		DF: 1	
Analyte		Result	ReportLimit			Qual	
BENZENE		ND	5				
TOLUENE		ND	5				
ETHYLBENZENE		ND	5				
M+P-XYLENE		ND	5				
O-XYLENE		ND	5				
TOTAL XYLENES		ND	5				
Surr: DIBROMOFLUOROMETHANE		54.2		108	77-125		
Surr: TOLUENE-D8		47.2		94	80-120		
Surr: 4-BROMOFLUOROBENZENE		46.9		94	71-121		

The following samples were analyzed in this batch:

2003352-1 2003352-2