

Project No.
16919.001.000

May 8, 2020

Mr. David Mordick
Robinson Oil Corporation
955 Martin Avenue
Santa Clara, CA 95050

Subject: 1014 S. Airport Way
Manteca, California

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Reference: ENGEO; Phase I Environmental Site Assessment, 1014 South Airport Way, Manteca, California; January 30, 2020; Project No. 16919.000.000 (DRAFT).

Dear Mr. Mordick:

We are pleased to submit the findings of our phase II environmental site assessment (ESA) undertaken at the subject property (Property) in Manteca, California. The purpose of this phase II ESA was to investigate (1) potential impacts to soil associated with past agricultural use on the Property and (2) whether the stockpiles on the Property pose an environmental impact.

BACKGROUND

ENGEO previously completed a draft phase I ESA for the Property in January 2020 (Reference).

The assessment included a review of local, state, tribal, and federal environmental record sources, standard historical sources, aerial photographs, fire insurance maps and physical setting sources. A reconnaissance of the Property was conducted to review site use and current conditions to check for the storage, use, production or disposal of hazardous or potentially hazardous materials and interviews with persons knowledgeable about current and past site use.

The site reconnaissance and records review did not find documentation or physical evidence of soil or groundwater impairments associated with the use or past use of the Property. A review of regulatory databases maintained by county, state, tribal, and federal agencies found no documentation of hazardous materials violations or discharge on the Property and did not identify contaminated facilities within the appropriate American Society for Testing and Materials (ASTM) search distances that would reasonably be expected to impact the Property.

Based on the findings of this assessment, no Recognized Environmental Conditions (RECs), no historical RECs, and no controlled RECs were identified for the Property.

ENGEO identified the following features of potential environmental concern, which were not considered to be RECs. The features are briefly discussed each below.

- The presence of an undocumented stockpiled soil on the Property.

- The Property has been historically used for agriculture and may have been impacted by agrichemicals.

ENGEO recommended a limited soil assessment, including soil sampling and laboratory testing, be performed to determine any potential impact in the stockpiled soil as well as an agrichemical assessment to determine the potential impact of agricultural chemicals on the Property.

FIELD EXPLORATION

Field sampling activities were performed on April 23, 2020. Soil samples were collected and placed into 4-ounce pre-cleaned glass jars. The samples were then placed in an ice-cooled chest and submitted under documented chain-of-custody to California Laboratory Services, a State-certified laboratory based in Rancho Cordova, California.

The agricultural chemical assessment was conducted in general accordance with the California Department of Toxic Substances Control (DTSC) *Interim Guidance for Sampling Agricultural Properties (Third Revision, August 2008)*. Soil samples were recovered from approximately 0 to 6 inches below the existing ground surface from four locations as shown on Figure 2. The soil samples were composited by the laboratory into a 4-point composite sample and analyzed for organochlorine pesticides (OCPs) (EPA Method 8081). Additionally, a single soil sample (Sample of native material) was analyzed on a discrete basis for total arsenic (EPA Method 6020).

For the stockpiled soil, eight samples were collected from approximately 0 to 6 inches below the existing ground surface from eight locations as shown on Figure 2. The eight stockpile samples were analyzed on a 4-point composite basis for the following:

- Semi-volatile organic compounds (SVOCs) (EPA Method 8270)
- CAM-17 metals (EPA Methods 6010/7471A)
- Organochlorine pesticides (EPA Method 8081)
- Polychlorinated biphenyls (PCBs) (EPA Method 8082)
- Total petroleum hydrocarbons as diesel and motor oil (TPH-d and -mo) (EPA Method 8015; with silica gel cleanup)

ANALYTICAL RESULTS

The following is a summary of the laboratory results.

Agricultural Chemical Assessment

- The composite sample (1-A-D) did not exhibit detectable organochlorine pesticide concentrations.
- Sample 1-A exhibited a non-detectable concentration of arsenic. The detected lead concentration was below respective screening levels.

Stockpiled Soil Assessment

- The stockpiled soil composite samples (2-A-D and 3-A-D) exhibited detectable concentrations of several CAM-17 metal analytes, including barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. The reported concentrations for the detected constituents are listed in Table A. As indicated in the table, the concentrations are below applicable San Francisco Bay Regional Water Quality Control Board (RWQCB) ESLs for residential and commercial land use and within expected naturally occurring background concentrations.
- Neither composite sample exhibited detectable concentrations of PCBs, SVOCs, or TPH-d.
- TPH-mo was detected at a concentration of 5.1 milligrams per kilogram (mg/kg) in composite sample 3-A-D. This concentration is below applicable RWQCB ESLs for residential and commercial land use.

The complete laboratory analysis report is attached in Appendix A.

CONCLUSION AND LIMITATIONS

Based on the findings of this phase II ESA, past agricultural practices have not adversely affected the Property, and the stockpiled soil does not exhibit evidence of environmental impact.


We strived to perform our professional services in accordance with generally accepted engineering principles and practices currently employed in the area (prevailing practice); no warranty is expressed or implied. This report is based upon field and other conditions discovered at the time of report preparation. We developed our conclusions with limited subsurface exploration data. If unexpected conditions are encountered, ENGEO must be notified immediately to review these conditions and provide additional and/or modified conclusions, as necessary.


Because prevailing practice and applicable regulatory standards may change over time, our conclusions are limited to the circumstances under which we performed our services. In addition, the samples recovered and tested as part of this assessment are only representative of the noted locations/depths and the analytes tested. It is not possible to eliminate all risks; therefore, we are unable to guarantee or warrant the results of our services.

If you have any questions or comments regarding this letter, please call and we will be glad to discuss them with you.

Sincerely,
ENGEO Incorporated


Jason Sedore
js/jaa/dt


Jeffrey A. Adams, PhD, PE

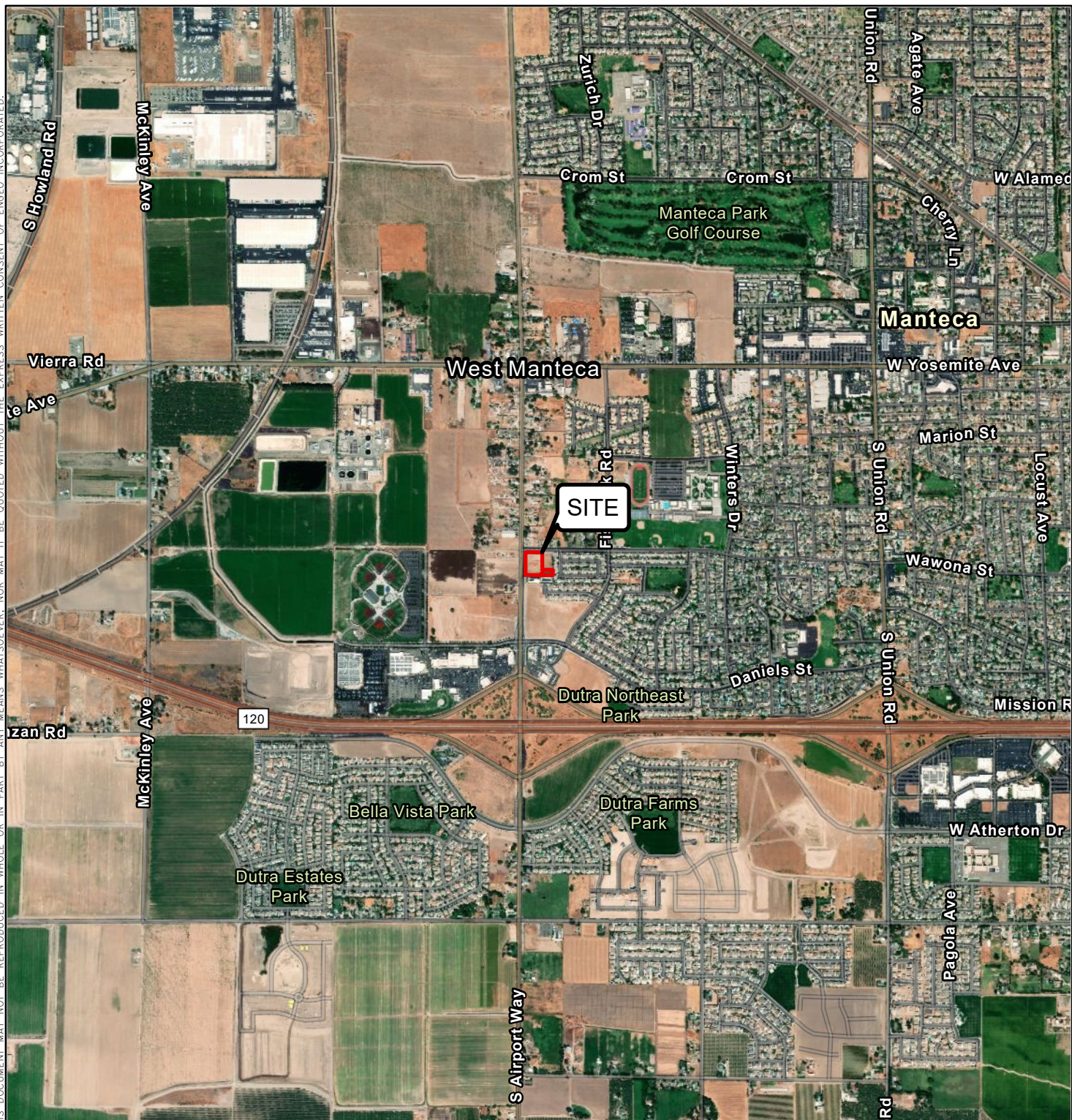


Attachments: Figures 1 and 2
Table A – Summary of Soil Analytical Results
Appendix A – California Laboratory Services, Laboratory Analytical Report

FIGURES

Figure 1 –Vicinity Map
Figure 2 – Site Plan

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0 1,000 2,000
FEET

BASEMAP SOURCE: ESRI MAPPING SERVICE 2018



VICINITY MAP
1014 SOUTH AIRPORT WAY
MANTECA, CALIFORNIA

PROJECT NO. : 16919.001.000

SCALE: AS SHOWN

DRAWN BY: QRL

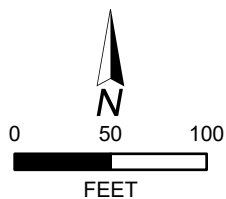
CHECKED BY: JAF

FIGURE NO.

1

PATH: G:\DRAFTING\PROJECTS_16000 TO 17999\16919\16919001000\ENVIRONMENTAL\ESA\1014 SOUTH AIRPORT WAY.APRX
USER: QLIANG

ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE



PROJECT SITE



SAMPLE LOCATION (ENGEО, 2020)

BASEMAP SOURCE: ESRI MAPPING SERVICE 2018



SITE PLAN
1014 SOUTH AIRPORT WAY
MANTECA, CALIFORNIA

PROJECT NO. : 16919.001.000

SCALE: AS SHOWN

DRAWN BY: QRL

CHECKED BY: JAF

FIGURE NO.

2

TABLES

Table A – Summary of Soil Analytical Results

Table A - Summary of Soil Analytical Results

Sample ID	Date	Metals												Petroleum Hydrocarbons		OCPs	PCBs	SVOCs
		Arsenic	Barium	Cobalt	Chromium	Copper	Nickel	Molybdenum	Lead	Vanadium	Zinc	Other Metals	TPH-d	TPH-mo				
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg			
RWQCB Residential ESLs ¹		6.7E-02	1.5E+04	2.3E+01	1.2E+05	3.1E+03	8.2+E02	3.9+E02	8.0+E01	3.9+E02	2.3E+04	N/A	1.2E+03	1.2E+04	N/A	2.3E-01	N/A	
RWQCB Commercial/Industrial ESLs ²		3.1E-01	2.2E+05	3.5E+02	1.8E+06	4.7E+04	1.1E+04	5.8E+03	3.2E+02	5.8E+03	3.5E+05	N/A	1.2E+03	1.8E+05	N/A	9.4E-01	N/A	
1A-D	4/23/2020	ND*	N/A	N/A	N/A	N/A	N/A	N/A	4.9*	N/A	N/A	N/A	NA	NA	ND	N/A	N/A	
2A-D	4/23/2020	ND	79	4.6	11	8.8	8.2	ND	3.0	37	37	ND	ND	ND	ND	ND	ND	
3A-D	4/23/2020	ND	99	5.0	15	11	12	ND	6.4	35	47	ND	ND	5.1	ND	ND	ND	

Notes -

mg/kg - milligrams per kilogram

µg/kg - micrograms per kilogram

ND - not detected

¹San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for Direct Exposure Human Health, Residential: Shallow Soil Exposure (Table S-1), [February 2016 \(Rev.-3\)](#); January 2019 (Rev.2)

²San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for Direct Exposure Human Health, Commercial/Industrial: Shallow Soil Exposure (Table S-1), [February 2016 \(Rev.-3\)](#); January 2019 (Rev.2)

200 - Concentration exceeds Residential screening level and/or background concentrations

200 - Concentration exceeds Residential screening level and/or background concentrations

* Sample 1-A only

APPENDIX A

Laboratory Analytical Reports



CALIFORNIA LABORATORY SERVICES

Committed. Responsive. Flexible.

April 30, 2020

CLS Work Order #: 20D1232

COC #:

Jason Sedore
ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project Name: 1014 South Airport Way

Enclosed are the results of analyses for samples received by the laboratory on 04/23/20 14:45. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

Report To:				Client Job Number			ANALYSIS REQUESTED										GEOTRACKER									
Name and Address ENGEO Incorporated				Destination Laboratory			<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PRESERVATIVES</div> <div>Organochlorine Pesticides (EPA 8081)</div> <div>Arsenic and Lead (EPA 6020)</div> <div>Semi-volatile organic compounds (EPA 8270)</div> <div>Polychlorinated biphenyls (EPA 8082)</div> <div>CAM-17 Metals (EPA 6010/7471A)</div> <div>And motor oil (TPH-d and -mo) (EPA 8015)</div> <div>Total Petroleum hydrocarbons as diesel</div> </div>										EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO									
17278 Golden Valley Parkway, Lathrop, CA 95330				CLS (916) 638-7301 3249 Fitzgerald Road Rancho Cordova, CA 95742													GLOBAL ID.									
Project Manager Jason Sedore																	FIELD CONDITIONS:									
Email jsedore@engeo.com																										
Phone 925-719-0822																										
Project Name 1014 South Airport Way																						TURNAROUND TIME IN DAYS				
Sampled By Jason Sedore							1					2					4					5				
Job Description Agrichemical sampling/Stockpile samples																										
Site Location 1014 South Airport Way, Manteca, CA																										
DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	NO.	TYPE																				
4/23/20		1-A	1-A	SOIL	1	4 oz.	3	X	X	X	X	X	X	X												
4/23/20		1-B	1-B	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		1-C	1-C	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		1-D	1-D	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		2-A	2-A	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		2-B	2-B	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		2-C	2-C	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		2-D	2-D	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		3-A	3-A	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		3-B	3-B	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		3-C	3-C	SOIL	1	4 oz.	3	X		X	X	X	X	X												
4/23/20		3-D	3-D	SOIL	1	4 oz.	3	X		X	X	X	X	X												

SUSPECTED CONSTITUENTS

RELINQUISHED BY (Signature) *Kevin Sedore* PRINT NAME/COMPANY *ENGEO* DATE/TIME *12:15/4/23/20*

RECEIVED AT LAB BY: *[Signature]* DATE/TIME: *4/23/20*

SHIPPED BY: ☐ FED-EX ☐ UPS ☒ OTHER *CU 14th*

SAMPLE RETENTION TIME

RECEIVED BY (Signature) *[Signature]* PRINT NAME/COMPANY *CU*

CONDITIONS/COMMENTS: *2-9/2-2*

AIR BILL #

20101232

sample ID	sample date	sample time
1-A	4/23/2020	10:21
1-B	4/23/2020	10:23
1-C	4/23/2020	10:25
1-D	4/23/2020	10:26
2-A	4/23/2020	10:35
2-B	4/23/2020	10:38
2-C	4/23/2020	10:40
2-D	4/23/2020	10:42
3-A	4/23/2020	10:46
3-B	4/23/2020	10:31
3-C	4/23/2020	10:51
3-D	4/23/2020	10:29

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. _____ (____ of ____)

Report To:				Client Job Number			ANALYSIS REQUESTED										GEOTRACKER				
Name and Address ENGE0 Incorporated				Destination Laboratory													EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO				
17278 Golden Valley Parkway, Lathrop, CA 95330				CLS (916) 638-7301 3249 Fitzgerald Road Rancho Cordova, CA 95742			<div style="display: flex; justify-content: space-between;"> <div> Total Petroleum hydrocarbons as diesel And motor oil (TPH-d and -mo) (EPA 8015) CAM-17 Metals (EPA 6010/7471A) Polychlorinated biphenyls (EPA 8082) Semi-volatile organic compounds (EPA 8270) Arsenic and Lead (EPA 6020) Organochlorine Pesticides (EPA 8081) </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PRESERVATIVES</div> </div>										GLOBAL ID				
Project Manager Jason Sedore																	FIELD CONDITIONS:				
Email jsedore@engeo.com																	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Red outlines are composite samples. </div>				
Phone 925-719-0822																					
Project Name 1014 South Airport Way																					
Sampled By Jason Sedore							TURNAROUND TIME IN DAYS					SPECIAL INSTRUCTIONS									
Job Description Agrichemical sampling/Stockpile samples																					
Site Location 1014 South Airport Way, Manteca, CA																					
DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	NO.	TYPE											1	2	4	5	
4/23/20		1-A	1-A	SOIL	1	4 oz.	3	X	X										X	Composite sample	
4/23/20		1-B	1-B	SOIL	1	4 oz.	3	X											X	Into 4 point	
4/23/20		1-C	1-C	SOIL	1	4 oz.	3	X											X	Composits for each	
4/23/20		1-D	1-D	SOIL	1	4 oz.	3	X											X	Number	
4/23/20		2-A	2-A	SOIL	1	4 oz.	3	X		X	X	X	X		X	(1A thru 1D, 2A thru 2D, 3A through 3D)					
4/23/20		2-B	2-B	SOIL	1	4 oz.	3	X		X	X	X	X		X						
4/23/20		2-C	2-C	SOIL	1	4 oz.	3	X		X	X	X	X		X	PO# 16919.001.000					
4/23/20		2-D	2-D	SOIL	1	4 oz.	3	X		X	X	X	X		X						
4/23/20		3-A	3-A	SOIL	1	4 oz.	3	X		X	X	X	X		X						
4/23/20		3-B	3-B	SOIL	1	4 oz.	3	X		X	X	X	X		X						
4/23/20		3-C	3-C	SOIL	1	4 oz.	3	X		X	X	X	X		X						
4/23/20		3-D	3-D	SOIL	1	4 oz.	3	X		X	X	X	X		X						

SUSPECTED CONSTITUENTS

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME
<i>Kevin Leonard</i>	KEVIN LEONARD/ ENGE0	12:15/4/23/20

SAMPLE RETENTION TIME

RECEIVED BY (Signature) _____

PRESERVATIVES (1) HCL (3) = COLD
(2) HNO₃ (4) = H2SO4

PRINT NAME/COMPANY *CL*

RECEIVED AT LAB BY: _____ **DATE/TIME:** _____ **CONDITIONS/COMMENTS:** _____

SHIPPED BY: ☐ FED EX ☐ UPS ☒ OTHER *CL* **AIR BILL #** _____

Matt Yost

From: Matt Yost <matty@californialab.com>
Sent: Friday, April 24, 2020 1:51 PM
To: 'Jason Sedore'
Subject: RE: CLS 20D1232 Sample Receipt & COC - 1014 South Airport Way - Received 4-23-20

No problem Jason,

TPH-mo was good to go, although it's difficult to spot on the sample receipt. I have added SGT (or SGC) to the diesel analyses however. If you indeed require that detail on future work orders, just make sure to write SGT on the TPH-d column.

Looks like we're all ironed out now!

Matt Yost

Client Services
California Laboratory Services
3249 Fitzgerald Rd.
Rancho Cordova, 95742
800.638.7301 Ext. 115 (Office)
916.638.4510 (Fax)
matty@californialab.com
www.californialab.com

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From: Jason Sedore [<mailto:jsedore@engeo.com>]
Sent: Friday, April 24, 2020 1:27 PM
To: matty@californialab.com
Subject: FW: CLS 20D1232 Sample Receipt & COC - 1014 South Airport Way - Received 4-23-20

Hey Matt,

I had Victoria look my proposal and verify the tests. Please see her reply to me below.

Thank you,

Jason

From: Victoria Drake <VDrake@engeo.com>
Sent: Friday, April 24, 2020 1:24 PM
To: Jason Sedore <jsedore@engeo.com>
Subject: RE: CLS 20D1232 Sample Receipt & COC - 1014 South Airport Way - Received 4-23-20

Doesn't looks like they included TPH-mo for 2A-D and 3A-D. Also, you should make sure they know you want SGC for the TPH analyses.

Victoria Drake, EIT, QSD

Office: 209-684-7615 | Cell: 626-408-4436 | Email: vdrake@engeo.com

COVID-19 Update: ENGEO has implemented best practices in accordance with applicable government requirements, including working remotely where required. We are still open for business and are here to serve our Clients and Industry Partners.

From: Jason Sedore <jsedore@engeo.com>

Sent: Friday, April 24, 2020 12:01 PM

To: Victoria Drake <VDrake@engeo.com>

Subject: FW: CLS 20D1232 Sample Receipt & COC - 1014 South Airport Way - Received 4-23-20

Afternoon Victoria, mind taking a look at this and letting me know if it looks correct based on the linked proposal?

[\\engeo.com\files\ VIRTUAL FILE ROOM\ 16000 to 17999\16919\16919001000\Contracts and Proposals\16919001000 2020-04-20 1014 S. Airport Way PSA and Proposal Phase II ESA fully executed.pdf](#)

Thanks!

Jason

From: Matt Yost <matty@californialab.com>

Sent: Friday, April 24, 2020 11:55 AM

To: Jason Sedore <jsedore@engeo.com>

Subject: CLS 20D1232 Sample Receipt & COC - 1014 South Airport Way - Received 4-23-20

Good morning Jason,

Attached is your Work Order Sample Receipt and COC for the above mentioned sample submissions, for your review. This email is to inform you that your samples have been received and are being processed as requested. Please take a moment to review and let us know if you have any corrections or additions to this Work Order at this time. Your analytical results and invoice will follow upon completion via email or mail unless otherwise requested on the COC.

Thank you for choosing California Laboratory Services for your analytical needs.

Sincerely,

Matt Yost
Client Services
California Laboratory Services
3249 Fitzgerald Rd.
Rancho Cordova, 95742
800.638.7301 Ext. 115 (Office)
916.638.4510 (Fax)
matty@californialab.com
www.californialab.com

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04/30/20 16:15

ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

CAM 17 Metals

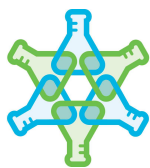
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45

Antimony	ND	2.5	mg/kg	1	2003290	04/24/20	04/24/20	EPA 6010B	
Arsenic	ND	2.0	"	10	"	"	04/28/20	EPA 6020	
Barium	79	1.0	"	1	"	"	04/27/20	EPA 6010B	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	11	1.0	"	"	"	"	"	"	
Cobalt	4.6	1.0	"	"	"	"	"	"	
Copper	8.8	1.0	"	"	"	"	"	"	
Lead	3.0	2.5	"	"	"	"	"	"	
Mercury	ND	0.20	"	2	2003366	04/28/20	04/29/20	EPA 7471A	
Molybdenum	ND	1.0	"	1	2003290	04/24/20	04/27/20	EPA 6010B	
Nickel	8.2	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	10	"	"	04/28/20	EPA 6020	
Silver	ND	1.0	"	1	"	"	04/27/20	EPA 6010B	
Thallium	ND	2.0	"	10	"	"	04/28/20	EPA 6020	
Vanadium	37	1.0	"	1	"	"	04/27/20	EPA 6010B	
Zinc	37	1.0	"	"	"	"	"	"	

3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45

Antimony	ND	2.5	mg/kg	1	2003290	04/24/20	04/24/20	EPA 6010B	
Arsenic	ND	2.0	"	10	"	"	04/28/20	EPA 6020	
Barium	99	1.0	"	1	"	"	04/27/20	EPA 6010B	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	15	1.0	"	"	"	"	"	"	
Cobalt	5.0	1.0	"	"	"	"	"	"	
Copper	11	1.0	"	"	"	"	"	"	
Lead	6.4	2.5	"	"	"	"	"	"	
Mercury	ND	0.20	"	2	2003366	04/28/20	04/29/20	EPA 7471A	
Molybdenum	ND	1.0	"	1	2003290	04/24/20	04/27/20	EPA 6010B	
Nickel	12	1.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	10	"	"	04/28/20	EPA 6020	



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04/30/20 16:15

ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232

COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45

Silver	ND	1.0	mg/kg	1	2003290	"	04/27/20	EPA 6010B	
Thallium	ND	2.0	"	10	"	"	04/28/20	EPA 6020	
Vanadium	35	1.0	"	1	"	"	04/27/20	EPA 6010B	
Zinc	47	1.0	"	"	"	"	"	"	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232

COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-A (20D1232-01) Soil Sampled: 04/23/20 10:21 Received: 04/23/20 14:45									
Arsenic	ND	2.0	mg/kg	10	2003362	04/28/20	04/29/20	EPA 6020	
Lead	4.9	2.5	"	"	"	"	04/28/20	"	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

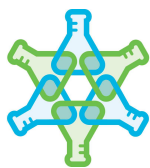
CLS Work Order #: 20D1232
COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-A-D (COMP) (20D1232-05) Soil Sampled: 04/23/20 10:26 Received: 04/23/20 14:45									
4,4'-DDD	ND	3.3	µg/kg	1	2003283	04/24/20	04/28/20	EPA 8081A	
4,4'-DDE	ND	3.3	"	"	"	"	"	"	
4,4'-DDT	ND	3.3	"	"	"	"	"	"	
Aldrin	ND	1.0	"	"	"	"	"	"	
alpha-BHC	ND	1.7	"	"	"	"	"	"	
beta-BHC	ND	1.7	"	"	"	"	"	"	
Chlordane-technical	ND	3.3	"	"	"	"	"	"	
delta-BHC	ND	1.7	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	1.7	"	"	"	"	"	"	
Endosulfan II	ND	3.3	"	"	"	"	"	"	
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"	
Endrin	ND	3.3	"	"	"	"	"	"	
Endrin aldehyde	ND	3.3	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.7	"	"	"	"	"	"	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl	32 %	52-141	"	"	"	"	QS-4
Surrogate: Tetrachloro-meta-xylene	24 %	46-139	"	"	"	"	QS-4

2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45									QRL-8
4,4'-DDD	ND	17	µg/kg	5	2003283	04/24/20	04/28/20	EPA 8081A	
4,4'-DDE	ND	17	"	"	"	"	"	"	
4,4'-DDT	ND	17	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
alpha-BHC	ND	8.5	"	"	"	"	"	"	
beta-BHC	ND	8.5	"	"	"	"	"	"	
Chlordane-technical	ND	17	"	"	"	"	"	"	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45									
QRL-8									
delta-BHC	ND	8.5	µg/kg	5	2003283	"	04/28/20	EPA 8081A	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	8.5	"	"	"	"	"	"	
Endosulfan II	ND	17	"	"	"	"	"	"	
Endosulfan sulfate	ND	17	"	"	"	"	"	"	
Endrin	ND	17	"	"	"	"	"	"	
Endrin aldehyde	ND	17	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	8.5	"	"	"	"	"	"	
Heptachlor	ND	8.5	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.5	"	"	"	"	"	"	
Methoxychlor	ND	85	"	"	"	"	"	"	
Mirex	ND	17	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl	150 %	52-141	"	"	"	"	QS-4
Surrogate: Tetrachloro-meta-xylene	136 %	46-139	"	"	"	"	

3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45

4,4'-DDD	ND	3.3	µg/kg	1	2003283	04/24/20	04/28/20	EPA 8081A
4,4'-DDE	ND	3.3	"	"	"	"	"	"
4,4'-DDT	ND	3.3	"	"	"	"	"	"
Aldrin	ND	1.0	"	"	"	"	"	"
alpha-BHC	ND	1.7	"	"	"	"	"	"
beta-BHC	ND	1.7	"	"	"	"	"	"
Chlordane-technical	ND	3.3	"	"	"	"	"	"
delta-BHC	ND	1.7	"	"	"	"	"	"
Dieldrin	ND	1.0	"	"	"	"	"	"
Endosulfan I	ND	1.7	"	"	"	"	"	"
Endosulfan II	ND	3.3	"	"	"	"	"	"
Endosulfan sulfate	ND	3.3	"	"	"	"	"	"
Endrin	ND	3.3	"	"	"	"	"	"
Endrin aldehyde	ND	3.3	"	"	"	"	"	"



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232

COC #:

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45

gamma-BHC (Lindane)	ND	1.7	µg/kg	1	2003283	"	04/28/20	EPA 8081A	
Heptachlor	ND	1.7	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.7	"	"	"	"	"	"	
Methoxychlor	ND	17	"	"	"	"	"	"	
Mirex	ND	3.3	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		27 %	52-141		"	"	"	"	QS-4
Surrogate: Tetrachloro-meta-xylene		20 %	46-139		"	"	"	"	QS-4



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45

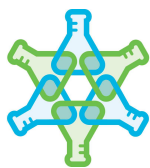
Aroclor 1016	ND	20	µg/kg	1	2003284	04/24/20	04/27/20	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl 60 % 50-150 " " " "

3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45

Aroclor 1016	ND	20	µg/kg	1	2003284	04/24/20	04/27/20	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl 11 % 50-150 " " " " QS-4



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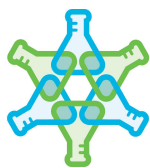
ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45									
1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2003327	04/27/20	04/27/20	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Methylphenol	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	830	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45									
Benzo (b) fluoranthene	ND	330	µg/kg	1	2003327	"	04/27/20	EPA 8270C	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45

Phenol	ND	330	µg/kg	1	2003327	"	04/27/20	EPA 8270C	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	

Surrogate: 2,4,6-Tribromophenol	97 %	19-122	"	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84 %	30-115	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	68 %	25-121	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	60 %	23-120	"	"	"	"	"	"	
Surrogate: Phenol-d6	61 %	10-110	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4	103 %	18-137	"	"	"	"	"	"	

3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45

1,2,4-Trichlorobenzene	ND	330	µg/kg	1	2003327	04/27/20	04/27/20	EPA 8270C	
1,2-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	330	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	830	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"	"	"	"	"	"	
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"	"	"	"	"	"	
2-Chloronaphthalene	ND	330	"	"	"	"	"	"	
2-Chlorophenol	ND	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	330	"	"	"	"	"	"	
2-Methylphenol	ND	330	"	"	"	"	"	"	
2-Nitroaniline	ND	830	"	"	"	"	"	"	
2-Nitrophenol	ND	330	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	670	"	"	"	"	"	"	
3-Nitroaniline	ND	830	"	"	"	"	"	"	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45									
4,6-Dinitro-2-methylphenol	ND	830	µg/kg	1	2003327	"	04/27/20	EPA 8270C	
4-Bromophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	330	"	"	"	"	"	"	
4-Chloroaniline	ND	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	330	"	"	"	"	"	"	
4-Nitroaniline	ND	830	"	"	"	"	"	"	
4-Nitrophenol	ND	830	"	"	"	"	"	"	
Acenaphthene	ND	330	"	"	"	"	"	"	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Benzoic acid	ND	830	"	"	"	"	"	"	
Benzyl alcohol	ND	330	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Dibenzofuran	ND	330	"	"	"	"	"	"	
Diethyl phthalate	ND	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	330	"	"	"	"	"	"	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

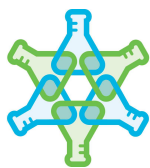
Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45									
Hexachlorobutadiene	ND	330	µg/kg	1	2003327	"	04/27/20	EPA 8270C	
Hexachlorocyclopentadiene	ND	330	"	"	"	"	"	"	
Hexachloroethane	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Isophorone	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	330	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	330	"	"	"	"	"	"	
Pentachlorophenol	ND	830	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Phenol	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Pyridine	ND	670	"	"	"	"	"	"	

Surrogate: 2,4,6-Tribromophenol	107 %	19-122	"	"	"	"
Surrogate: 2-Fluorobiphenyl	80 %	30-115	"	"	"	"
Surrogate: 2-Fluorophenol	60 %	25-121	"	"	"	"
Surrogate: Nitrobenzene-d5	53 %	23-120	"	"	"	"
Surrogate: Phenol-d6	51 %	10-110	"	"	"	"
Surrogate: Terphenyl-d14	100 %	18-137	"	"	"	"



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

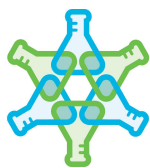
Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232

COC #:

Silica Gel Treated Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-A-D (COMP) (20D1232-10) Soil Sampled: 04/23/20 10:42 Received: 04/23/20 14:45									
Diesel, Silica Gel Treated	ND	1.0	mg/kg	1	2003300	04/24/20	04/24/20	EPA 8015M	
Motor Oil, Silica Gel Treated	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		%	65-135		"	"	"	"	QS-1
3-A-D (COMP) (20D1232-15) Soil Sampled: 04/23/20 10:51 Received: 04/23/20 14:45									
Diesel, Silica Gel Treated	ND	1.0	mg/kg	1	2003300	04/24/20	04/24/20	EPA 8015M	
Motor Oil, Silica Gel Treated	5.1	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		%	65-135		"	"	"	"	QS-1



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003290 - EPA 3050B

Blank (2003290-BLK1)

Prepared & Analyzed: 04/24/20

Antimony	ND	2.5	mg/kg
Barium	ND	1.0	"
Beryllium	ND	1.0	"
Cadmium	ND	1.0	"
Cobalt	ND	1.0	"
Chromium	ND	1.0	"
Copper	ND	1.0	"
Arsenic	ND	0.20	"
Lead	ND	2.5	"
Selenium	ND	0.50	"
Molybdenum	ND	1.0	"
Nickel	ND	1.0	"
Silver	ND	1.0	"
Vanadium	ND	1.0	"
Thallium	ND	0.20	"
Zinc	ND	1.0	"

LCS (2003290-BS1)

Prepared & Analyzed: 04/24/20

Antimony	95.7	2.5	mg/kg	100	96	75-125
Barium	89.0	1.0	"	100	89	75-125
Beryllium	113	1.0	"	100	113	75-125
Cadmium	104	1.0	"	100	104	75-125
Cobalt	112	1.0	"	100	112	75-125
Chromium	110	1.0	"	100	110	75-125
Copper	103	1.0	"	100	103	75-125
Arsenic	94.4	2.0	"	100	94	75-125
Lead	106	2.5	"	100	106	75-125
Selenium	102	5.0	"	100	102	75-125
Molybdenum	109	1.0	"	100	109	75-125
Nickel	121	1.0	"	100	121	75-125
Silver	53.8	1.0	"	50.0	108	75-125
Vanadium	106	1.0	"	100	106	75-125
Thallium	104	2.0	"	100	104	75-125



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003290 - EPA 3050B

LCS (2003290-BS1)

Prepared & Analyzed: 04/24/20

Zinc	91.9	1.0	mg/kg	100	92	75-125
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Matrix Spike (2003290-MS1)

Source: 20D1165-01

Prepared & Analyzed: 04/24/20

Antimony	35.0	2.5	mg/kg	100	ND	35	75-125			QM-5
Barium	295	1.0	"	100	261	34	75-125			QM-5
Beryllium	97.7	1.0	"	100	0.473	97	75-125			
Cadmium	87.3	1.0	"	100	0.433	87	75-125			
Cobalt	104	1.0	"	100	10.6	93	75-125			
Chromium	122	1.0	"	100	23.3	99	75-125			
Arsenic	88.1	2.0	"	100	ND	88	75-125			
Copper	115	1.0	"	100	22.2	93	75-125			
Selenium	94.5	5.0	"	100	ND	95	75-125			
Lead	81.8	2.5	"	100	1.52	80	75-125			
Molybdenum	89.0	1.0	"	100	ND	89	75-125			
Nickel	114	1.0	"	100	12.3	101	75-125			
Silver	44.5	1.0	"	50.0	ND	89	75-125			
Vanadium	165	1.0	"	100	74.2	90	75-125			
Thallium	101	2.0	"	100	0.230	101	75-125			
Zinc	124	1.0	"	100	52.4	72	75-125			QM-5

Matrix Spike Dup (2003290-MSD1)

Source: 20D1165-01

Prepared & Analyzed: 04/24/20

Antimony	36.9	2.5	mg/kg	100	ND	37	75-125	5	30	QM-5
Barium	327	1.0	"	100	261	66	75-125	10	30	QM-5
Beryllium	98.2	1.0	"	100	0.473	98	75-125	0.5	30	
Cadmium	88.0	1.0	"	100	0.433	88	75-125	0.7	30	
Cobalt	105	1.0	"	100	10.6	95	75-125	1	30	
Chromium	120	1.0	"	100	23.3	97	75-125	1	30	
Arsenic	89.5	2.0	"	100	ND	89	75-125	2	30	
Copper	117	1.0	"	100	22.2	94	75-125	1	30	
Lead	82.5	2.5	"	100	1.52	81	75-125	0.8	30	
Selenium	94.0	5.0	"	100	ND	94	75-125	0.6	30	
Molybdenum	89.3	1.0	"	100	ND	89	75-125	0.3	30	
Nickel	118	1.0	"	100	12.3	106	75-125	4	30	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003290 - EPA 3050B

Matrix Spike Dup (2003290-MSD1)

Source: 20D1165-01

Prepared: 04/24/20 Analyzed: 04/28/20

Silver	46.2	1.0	mg/kg	50.0	ND	92	75-125	4	30	
Vanadium	171	1.0	"	100	74.2	97	75-125	4	30	
Thallium	100	2.0	"	100	0.230	100	75-125	0.5	30	
Zinc	129	1.0	"	100	52.4	77	75-125	4	30	

Batch 2003366 - EPA 7471A

Blank (2003366-BLK1)

Prepared & Analyzed: 04/28/20

Mercury	ND	0.10	mg/kg							
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LCS (2003366-BS1)

Prepared & Analyzed: 04/28/20

Mercury	0.206	0.10	mg/kg	0.208		99	75-125			
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Matrix Spike (2003366-MS1)

Source: 20D1165-01

Prepared & Analyzed: 04/28/20

Mercury	0.204	0.10	mg/kg	0.208	0.0136	92	75-125			
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Matrix Spike Dup (2003366-MSD1)

Source: 20D1165-01

Prepared & Analyzed: 04/28/20

Mercury	0.210	0.10	mg/kg	0.208	0.0136	94	75-125	2	25	
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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003362 - EPA 3050B

Blank (2003362-BLK1)

Prepared & Analyzed: 04/28/20

Lead	ND	0.25	mg/kg							
Arsenic	ND	0.20	"							

LCS (2003362-BS1)

Prepared & Analyzed: 04/28/20

Lead	10.1	0.25	mg/kg	10.0		101	75-125			
Arsenic	8.53	0.20	"	10.0		85	75-125			

Matrix Spike (2003362-MS1)

Source: 20D1302-01

Prepared & Analyzed: 04/28/20

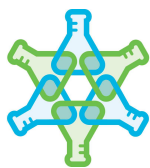
Lead	21.2	2.5	mg/kg	10.0	8.93	123	75-125			
Arsenic	9.40	2.0	"	10.0	ND	94	75-125			

Matrix Spike Dup (2003362-MSD1)

Source: 20D1302-01

Prepared & Analyzed: 04/28/20

Lead	20.9	2.5	mg/kg	10.0	8.93	119	75-125	1.85	30	
Arsenic	9.43	2.0	"	10.0	ND	94	75-125	0.3	30	



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003283 - EPA method 3545

Blank (2003283-BLK1)

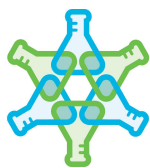
Prepared: 04/24/20 Analyzed: 04/28/20

Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	1.7	"							
beta-BHC	ND	1.7	"							
gamma-BHC (Lindane)	ND	1.7	"							
delta-BHC	ND	1.7	"							
Chlordane-technical	ND	3.3	"							
4,4'-DDD	ND	3.3	"							
4,4'-DDE	ND	3.3	"							
4,4'-DDT	ND	3.3	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	1.7	"							
Endosulfan II	ND	3.3	"							
Endosulfan sulfate	ND	3.3	"							
Endrin	ND	3.3	"							
Endrin aldehyde	ND	3.3	"							
Heptachlor	ND	1.7	"							
Heptachlor epoxide	ND	1.7	"							
Methoxychlor	ND	17	"							
Mirex	ND	3.3	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	14.5		"	16.7		87	46-139			
Surrogate: Decachlorobiphenyl	13.9		"	16.7		83	52-141			

LCS (2003283-BS1)

Prepared: 04/24/20 Analyzed: 04/28/20

Aldrin	42.1	1.0	µg/kg	33.3		126	47-132			
gamma-BHC (Lindane)	41.3	1.7	"	33.3		124	56-133			
4,4'-DDT	38.0	3.3	"	33.3		114	46-137			
Dieldrin	41.5	1.0	"	33.3		124	44-143			
Endrin	34.5	3.3	"	33.3		103	30-147			
Heptachlor	41.0	1.7	"	33.3		123	33-148			
Surrogate: Tetrachloro-meta-xylene	17.2		"	16.7		103	46-139			
Surrogate: Decachlorobiphenyl	14.9		"	16.7		89	52-141			



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003283 - EPA method 3545

LCS Dup (2003283-BSD1)

Prepared: 04/24/20 Analyzed: 04/28/20

Aldrin	38.4	1.0	µg/kg	33.3		115	47-132	9	30	
gamma-BHC (Lindane)	37.5	1.7	"	33.3		112	56-133	10	30	
4,4'-DDT	34.7	3.3	"	33.3		104	46-137	9	30	
Dieldrin	38.3	1.0	"	33.3		115	44-143	8	30	
Endrin	31.3	3.3	"	33.3		94	30-147	9	30	
Heptachlor	37.3	1.7	"	33.3		112	33-148	10	30	
Surrogate: Tetrachloro-meta-xylene	16.2		"	16.7		97	46-139			
Surrogate: Decachlorobiphenyl	14.2		"	16.7		85	52-141			

Matrix Spike (2003283-MS1)

Source: 20D1232-15

Prepared: 04/24/20 Analyzed: 04/28/20

Aldrin	54.7	1.0	µg/kg	66.7	ND	82	47-138			
gamma-BHC (Lindane)	54.5	1.7	"	66.7	ND	82	38-144			
4,4'-DDT	65.1	3.3	"	66.7	ND	98	41-157			
Dieldrin	59.4	1.0	"	66.7	ND	89	46-155			
Endrin	50.4	3.3	"	66.7	ND	76	34-149			
Heptachlor	57.0	1.7	"	66.7	ND	85	36-155			
Surrogate: Tetrachloro-meta-xylene	23.3		"	16.7		140	46-139			QS-4
Surrogate: Decachlorobiphenyl	25.4		"	16.7		152	52-141			QS-4

Matrix Spike Dup (2003283-MSD1)

Source: 20D1232-15

Prepared: 04/24/20 Analyzed: 04/28/20

Aldrin	51.8	1.0	µg/kg	66.7	ND	78	47-138	5	35	
gamma-BHC (Lindane)	51.6	1.7	"	66.7	ND	77	38-144	5	35	
4,4'-DDT	57.0	3.3	"	66.7	ND	85	41-157	13	35	
Dieldrin	56.3	1.0	"	66.7	ND	84	46-155	5	35	
Endrin	48.8	3.3	"	66.7	ND	73	34-149	3	35	
Heptachlor	53.0	1.7	"	66.7	ND	80	36-155	7	35	
Surrogate: Tetrachloro-meta-xylene	22.2		"	16.7		133	46-139			
Surrogate: Decachlorobiphenyl	25.5		"	16.7		153	52-141			QS-4



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003284 - EPA method 3545

Blank (2003284-BLK1)

Prepared: 04/24/20 Analyzed: 04/27/20

Aroclor 1016	ND	20	µg/kg							
Aroclor 1221	ND	20	"							
Aroclor 1232	ND	20	"							
Aroclor 1242	ND	20	"							
Aroclor 1248	ND	20	"							
Aroclor 1254	ND	20	"							
Aroclor 1260	ND	20	"							
Aroclor 1268	ND	20	"							
Surrogate: Decachlorobiphenyl	15.9		"	16.7		95	50-150			

LCS (2003284-BS1)

Prepared: 04/24/20 Analyzed: 04/27/20

Aroclor 1260	154	20	µg/kg	167		92	29-131			
Surrogate: Decachlorobiphenyl	14.8		"	16.7		89	50-150			

LCS Dup (2003284-BSD1)

Prepared: 04/24/20 Analyzed: 04/27/20

Aroclor 1260	156	20	µg/kg	167		94	29-131	2	30	
Surrogate: Decachlorobiphenyl	14.3		"	16.7		86	50-150			

Matrix Spike (2003284-MS1)

Source: 20D1232-10

Prepared: 04/24/20 Analyzed: 04/27/20

Aroclor 1260	121	20	µg/kg	167	ND	72	29-131			
Surrogate: Decachlorobiphenyl	11.2		"	16.7		67	50-150			

Matrix Spike Dup (2003284-MSD1)

Source: 20D1232-10

Prepared: 04/24/20 Analyzed: 04/27/20

Aroclor 1260	162	20	µg/kg	167	ND	97	29-131	30	30	
Surrogate: Decachlorobiphenyl	15.0		"	16.7		90	50-150			



CALIFORNIA LABORATORY SERVICES

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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003327 - EPA 3545

Blank (2003327-BLK1)

Prepared & Analyzed: 04/27/20

Acenaphthene	ND	330	µg/kg
Acenaphthylene	ND	330	"
Anthracene	ND	330	"
Benzo (a) anthracene	ND	330	"
Benzo (b) fluoranthene	ND	330	"
Benzo (k) fluoranthene	ND	330	"
Benzo (g,h,i) perylene	ND	330	"
Benzo (a) pyrene	ND	330	"
Benzyl alcohol	ND	330	"
Bis(2-chloroethoxy)methane	ND	330	"
Bis(2-chloroethyl)ether	ND	330	"
Bis(2-chloroisopropyl)ether	ND	330	"
Bis(2-ethylhexyl)phthalate	ND	330	"
4-Bromophenyl phenyl ether	ND	330	"
Butyl benzyl phthalate	ND	330	"
4-Chloroaniline	ND	330	"
2-Chloronaphthalene	ND	330	"
4-Chlorophenyl phenyl ether	ND	330	"
Chrysene	ND	330	"
Dibenz (a,h) anthracene	ND	330	"
Dibenzofuran	ND	330	"
Di-n-butyl phthalate	ND	330	"
1,2-Dichlorobenzene	ND	330	"
1,3-Dichlorobenzene	ND	330	"
1,4-Dichlorobenzene	ND	330	"
3,3'-Dichlorobenzidine	ND	670	"
Diethyl phthalate	ND	330	"
Dimethyl phthalate	ND	330	"
2,4-Dinitrotoluene (2,4-DNT)	ND	330	"
2,6-Dinitrotoluene (2,6-DNT)	ND	330	"
Di-n-octyl phthalate	ND	330	"
Fluoranthene	ND	330	"



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

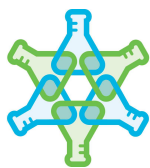
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003327 - EPA 3545

Blank (2003327-BLK1)

Prepared & Analyzed: 04/27/20

Pyridine	ND	670	µg/kg
Fluorene	ND	330	"
Hexachlorobenzene	ND	330	"
Hexachlorobutadiene	ND	330	"
Hexachlorocyclopentadiene	ND	330	"
Hexachloroethane	ND	330	"
Indeno (1,2,3-cd) pyrene	ND	330	"
Isophorone	ND	330	"
2-Methylnaphthalene	ND	330	"
Naphthalene	ND	330	"
2-Nitroaniline	ND	830	"
3-Nitroaniline	ND	830	"
4-Nitroaniline	ND	830	"
Nitrobenzene (NB)	ND	330	"
N-Nitrosodimethylamine	ND	330	"
N-Nitrosodiphenylamine	ND	330	"
N-Nitrosodi-n-propylamine	ND	330	"
Phenanthrene	ND	330	"
Pyrene	ND	330	"
1,2,4-Trichlorobenzene	ND	330	"
Benzoic acid	ND	830	"
4-Chloro-3-methylphenol	ND	330	"
2-Chlorophenol	ND	330	"
2,4-Dichlorophenol	ND	330	"
2,4-Dimethylphenol	ND	330	"
4,6-Dinitro-2-methylphenol	ND	830	"
2,4-Dinitrophenol	ND	830	"
2-Methylphenol	ND	330	"
3 & 4-Methylphenol	ND	330	"
2-Nitrophenol	ND	330	"
4-Nitrophenol	ND	830	"
Pentachlorophenol	ND	830	"



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003327 - EPA 3545

Blank (2003327-BLK1)

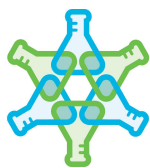
Prepared & Analyzed: 04/27/20

Phenol	ND	330	µg/kg							
2,4,5-Trichlorophenol	ND	330	"							
2,4,6-Trichlorophenol	ND	330	"							
Surrogate: 2-Fluorophenol	1590		"	2670		60	25-121			
Surrogate: Phenol-d6	1510		"	2670		57	10-110			
Surrogate: Nitrobenzene-d5	1440		"	2670		54	23-120			
Surrogate: 2-Fluorobiphenyl	2010		"	2670		75	30-115			
Surrogate: 2,4,6-Tribromophenol	2840		"	2670		107	19-122			
Surrogate: Terphenyl-d14	2480		"	2670		93	18-137			

LCS (2003327-BS1)

Prepared & Analyzed: 04/27/20

Acenaphthene	1620	330	µg/kg	2670		61	31-137			
1,4-Dichlorobenzene	1650	330	"	2670		62	19-116			
2,4-Dinitrotoluene (2,4-DNT)	1620	330	"	2670		61	28-109			
N-Nitrosodi-n-propylamine	1290	330	"	2670		48	41-126			
Pyrene	2000	330	"	2670		75	35-142			
1,2,4-Trichlorobenzene	1670	330	"	2670		63	38-117			
4-Chloro-3-methylphenol	1600	330	"	2670		60	26-122			
2-Chlorophenol	1500	330	"	2670		56	25-132			
4-Nitrophenol	1220	830	"	2670		46	11-124			
Pentachlorophenol	1990	830	"	2670		75	17-119			
Phenol	1420	330	"	2670		53	6-125			
Surrogate: 2-Fluorophenol	1530		"	2670		57	25-121			
Surrogate: Phenol-d6	1460		"	2670		55	10-110			
Surrogate: Nitrobenzene-d5	1350		"	2670		51	23-120			
Surrogate: 2-Fluorobiphenyl	1890		"	2670		71	30-115			
Surrogate: 2,4,6-Tribromophenol	2550		"	2670		96	19-122			
Surrogate: Terphenyl-d14	2390		"	2670		90	18-137			



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003327 - EPA 3545

LCS Dup (2003327-BSD1)

Prepared & Analyzed: 04/27/20

Acenaphthene	1390	330	µg/kg	2670		52	31-137	15	20	
1,4-Dichlorobenzene	1180	330	"	2670		44	19-116	34	27	QR-2
2,4-Dinitrotoluene (2,4-DNT)	1450	330	"	2670		54	28-109	11	45	
N-Nitrosodi-n-propylamine	1110	330	"	2670		42	41-126	15	38	
Pyrene	1390	330	"	2670		52	35-142	36	36	
1,2,4-Trichlorobenzene	1210	330	"	2670		45	38-117	32	23	QR-2
4-Chloro-3-methylphenol	1150	330	"	2670		43	26-122	32	33	
2-Chlorophenol	1060	330	"	2670		40	25-132	35	45	
4-Nitrophenol	1100	830	"	2670		41	11-124	10	45	
Pentachlorophenol	2110	830	"	2670		79	17-119	6	47	
Phenol	989	330	"	2670		37	6-125	36	35	QR-2
Surrogate: 2-Fluorophenol	749		"	2670		28	25-121			
Surrogate: Phenol-d6	722		"	2670		27	10-110			
Surrogate: Nitrobenzene-d5	683		"	2670		26	23-120			
Surrogate: 2-Fluorobiphenyl	993		"	2670		37	30-115			
Surrogate: 2,4,6-Tribromophenol	1560		"	2670		59	19-122			
Surrogate: Terphenyl-d14	1200		"	2670		45	18-137			

Matrix Spike (2003327-MS1)

Source: 20D1232-10

Prepared & Analyzed: 04/27/20

Acenaphthene	2150	330	µg/kg	2670	ND	81	31-137			
1,4-Dichlorobenzene	2150	330	"	2670	ND	81	28-104			
2,4-Dinitrotoluene (2,4-DNT)	2210	330	"	2670	ND	83	28-105			
N-Nitrosodi-n-propylamine	1760	330	"	2670	ND	66	41-126			
Pyrene	2620	330	"	2670	ND	98	35-142			
1,2,4-Trichlorobenzene	2290	330	"	2670	ND	86	38-107			
4-Chloro-3-methylphenol	2220	330	"	2670	ND	83	26-103			
2-Chlorophenol	2010	330	"	2670	ND	75	25-102			
4-Nitrophenol	1630	830	"	2670	ND	61	11-114			
Pentachlorophenol	1840	830	"	2670	ND	69	17-109			
Phenol	1850	330	"	2670	ND	69	6-125			
Surrogate: 2-Fluorophenol	1820		"	2670		68	25-121			
Surrogate: Phenol-d6	1690		"	2670		63	10-110			



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003327 - EPA 3545

Matrix Spike (2003327-MS1)

Source: 20D1232-10

Prepared & Analyzed: 04/27/20

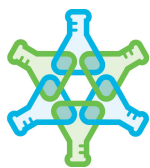
Surrogate: Nitrobenzene-d5	1620		µg/kg	2670		61	23-120			
Surrogate: 2-Fluorobiphenyl	2300		"	2670		86	30-115			
Surrogate: 2,4,6-Tribromophenol	2690		"	2670		101	19-122			
Surrogate: Terphenyl-d14	2840		"	2670		107	18-137			

Matrix Spike Dup (2003327-MSD1)

Source: 20D1232-10

Prepared & Analyzed: 04/27/20

Acenaphthene	2220	330	µg/kg	2670	ND	83	31-137	3	20	
1,4-Dichlorobenzene	2250	330	"	2670	ND	84	28-104	5	27	
2,4-Dinitrotoluene (2,4-DNT)	2370	330	"	2670	ND	89	28-105	7	45	
N-Nitrosodi-n-propylamine	1800	330	"	2670	ND	68	41-126	3	38	
Pyrene	2680	330	"	2670	ND	100	35-142	2	36	
1,2,4-Trichlorobenzene	2400	330	"	2670	ND	90	38-107	5	23	
4-Chloro-3-methylphenol	2350	330	"	2670	ND	88	26-103	5	33	
2-Chlorophenol	2140	330	"	2670	ND	80	25-102	6	45	
4-Nitrophenol	1750	830	"	2670	ND	65	11-114	7	45	
Pentachlorophenol	2490	830	"	2670	ND	93	17-109	30	47	
Phenol	1970	330	"	2670	ND	74	6-125	6	35	
Surrogate: 2-Fluorophenol	1920		"	2670		72	25-121			
Surrogate: Phenol-d6	1830		"	2670		68	10-110			
Surrogate: Nitrobenzene-d5	1740		"	2670		65	23-120			
Surrogate: 2-Fluorobiphenyl	2420		"	2670		91	30-115			
Surrogate: 2,4,6-Tribromophenol	2820		"	2670		106	19-122			
Surrogate: Terphenyl-d14	2940		"	2670		110	18-137			



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Silica Gel Treated Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003300 - EPA 3510B GCNV

Blank (2003300-BLK1)

Prepared & Analyzed: 04/24/20

Diesel, Silica Gel Treated	ND	1.0	mg/kg							
Motor Oil, Silica Gel Treated	ND	1.0	"							
Hydraulic Oil, Silica Gel Treated	ND	1.0	"							
Mineral Oil, Silica Gel Treated	ND	1.0	"							
Kerosene, Silica Gel Treated	ND	1.0	"							
Surrogate: o-Terphenyl	0.00		"	0.500			65-135			QS-4

LCS (2003300-BS1)

Prepared & Analyzed: 04/24/20

Diesel, Silica Gel Treated	41.5	1.0	mg/kg	50.0		83	65-135			A-COM
Surrogate: o-Terphenyl	0.481		"	0.500		96	65-135			

LCS Dup (2003300-BSD1)

Prepared & Analyzed: 04/24/20

Diesel, Silica Gel Treated	42.0	1.0	mg/kg	50.0		84	65-135	1	30	A-COM
Surrogate: o-Terphenyl	0.466		"	0.500		93	65-135			

Matrix Spike (2003300-MS1)

Source: 20D1257-01

Prepared & Analyzed: 04/24/20

Diesel, Silica Gel Treated	42.6	1.0	mg/kg	50.0	ND	85	59-138			A-COM
Surrogate: o-Terphenyl	0.423		"	0.500		85	65-135			

Matrix Spike Dup (2003300-MSD1)

Source: 20D1257-01

Prepared & Analyzed: 04/24/20

Diesel, Silica Gel Treated	53.3	1.0	mg/kg	50.0	ND	107	59-138	22	37	A-COM
Surrogate: o-Terphenyl	0.412		"	0.500		82	65-135			



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ENGEO-Lathrop
17278 Golden Valley Parkway
Lathrop, CA 95330

Project: 1014 South Airport Way
Project Number: [none]
Project Manager: Jason Sedore

CLS Work Order #: 20D1232
COC #:

Notes and Definitions

- QS-4 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QS-1 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- QRL-8 The extract of this sample was dark and/or oily. Therefore, the sample was analyzed with a dilution and the reporting limit was raised for all target compounds.
- QR-2 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-5 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- A-COM QC sample did not go through silica gel treatment.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference