
Los Angeles Regional Water Quality Control Board

TO: Dr. Weixing Tong
Section Chief, UST Coastal Unit

FROM: Mr. James Ryan
Engineering Geologist
UST Coastal Unit

DATE: April 28, 2021

**SUBJECT: FIELD TRIP REPORT - COLLECTION OF WATER SAMPLES FROM
LAKE WELL 2 LOCATED AT ROLLING HILLS COUNTRY CLUB,
1 CHANDLER RANCH ROAD, ROLLING HILLS ESTATES**

On April 1, 2021, California Regional Water Quality Control Board, Los Angeles Region (Regional Water Board) staff Dr. Yue Rong, Mr. James Ryan, and Mr. Andrew Choi visited the Rolling Hills Country Club located at 1 Chandler Ranch Road in Rolling Hills Estate (Site). The Site is an active golf course that also includes a club house and single-family homes. The purpose of the visit was to collect water samples from one of the Site's irrigation wells identified as Lake Well 2. Water pumped from Lake Well 2 is used at the Site to water the golf course lawns and maintain water in the man-made lake southwest of the well. Lake Well 2 is approximately 1,250 feet west-southwest of the City of Lomita's Well No. 5.

During the visit, Regional Water Board staff met with Mr. Robert Vaughey with the Rolling Hills Country Club who escorted us during the site visit and provided us access to Lake Well 2. A side port on the piping for the well was used for the collection of the water samples. Water samples were collected in sample containers provided by BABCOCK Laboratories, Inc. Following collection of samples, Regional Water Board staff departed the Site, packaged the samples for shipping to the laboratory, and delivered the package to FedEx for overnight delivery. Laboratory results for the water sample indicated no detections of total petroleum hydrocarbons and volatile organic compounds, including benzene and fuel oxygenate compounds, above the reporting limit. The laboratory report has been attached for reference (Attachment A).

The following photos show the location of Lake Well 2 and collection of samples from the port on the piping for well.



Photo 1. View of Lake Well 2 and piping attached to well. The well is pumped using a down well pump. Photo taken facing north.



Photo 2. View of Lake Well 2 with Regional Water Board and Rolling Hills Country Club Staff. Photo taken facing southeast.



Photo 3. View of Lake Well 2. Sample port used for sampling located on red-brown piping behind pressure gauge in center of photo. Photo taken facing northwest.



Photo 4. Regional Water Board staff collecting water samples from sampling port in laboratory provided containers. Photo taken facing east.

Attachment A



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

20 April 2021

Andrew Choi
State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

RE: RWB4_UST_20/21

Dear Andrew Choi,

The following pages contain the analytical results for the sample(s) received for your project. The second page of this report lists the individual sample descriptions with the corresponding laboratory number(s). We have also provided a copy of the Chain of Custody document (if received with your sample(s)). Please note that any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our Client Service Department.

Sincerely,

A handwritten signature in blue ink that reads "Amanda Christy Porter".

Amanda Christy Porter
Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Lab ID	Matrix	Station Code	Sampled	Received
Lake Well 2 (Rolling Hills Country Club)	C1D0198-01	Liquid	N/A	04/01/21 09:15	04/02/21 11:08

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Lake Well 2
C1D0198-01 (Liquid, Sampled: 04/01/21 09:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----	----	-------	----------	-------	----------	----------	--------	-------

Babcock Laboratories, Inc.

Metals and Metalloids; EPA SW846 Series

Silver	ND	1.1	10	ug/L	1	1D12104	04/12/21	04/12/21	EPA 6020	
Arsenic	ND	1.2	2.0	"	"	"	"	"	"	
Barium	96	0.97	100	"	"	"	"	"	"	J
Beryllium	ND	0.23	1.0	"	"	1D16029	"	04/16/21	"	
Cadmium	ND	0.062	1.0	"	"	1D12104	"	04/12/21	"	
Cobalt	0.27	0.078	10	"	"	"	"	"	"	J
Total Chromium	0.61	0.39	10	"	"	"	"	"	"	J
Copper	4.5	0.92	10	"	"	"	"	"	"	J
Mercury	ND	0.051	0.20	"	"	1D12094	04/12/21	04/12/21	EPA 7470A	
Molybdenum	3.2	0.66	10	"	"	1D12104	04/12/21	04/12/21	EPA 6020	J
Nickel	3.8	0.78	10	"	"	"	"	"	"	J
Lead	ND	0.21	5.0	"	"	"	"	"	"	
Antimony	ND	2.4	6.0	"	"	"	"	"	"	
Selenium	3.2	1.2	5.0	"	"	"	"	"	"	J
Thallium	ND	0.40	1.0	"	"	"	"	"	"	
Vanadium	ND	1.1	10	"	"	"	"	"	"	
Zinc	5.2	3.7	10	"	"	"	"	"	"	J

Diesel Range Organics by EPA 8015

DRO (C10-C28)	ND	3.8	5.0	mg/L	1	1D08081	04/08/21	04/08/21	EPA 8015B	NCAhND
ORO (C29-C44)	ND	4.1	5.0	"	"	"	"	"	"	
Surrogate: n-Triacontane			82 %	50-150		"	"	"	"	
Surrogate: o-Terphenyl			103 %	50-150		"	"	"	"	

Gasoline Range Organics by EPA 8015

Gasoline Range Organics	ND	0.018	0.050	mg/L	1	1D06129	04/06/21	04/06/21	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene			90 %	64-120		"	"	"	"	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Lake Well 2
C1D0198-01 (Liquid, Sampled: 04/01/21 09:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc.										
Volatile Organic Compounds by EPA 8260B										
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	1D09021	04/09/21	04/09/21	EPA 8260B	
1,1,1-Trichloroethane	ND	0.083	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.092	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.086	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.14	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	0.50	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.39	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.11	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.29	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.080	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.11	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.11	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.14	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.095	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.11	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.11	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.15	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.067	0.50	"	"	"	"	"	"	
2-Butanone(MEK)	ND	1.0	3.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.057	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.098	0.50	"	"	"	"	"	"	
4-Methyl-2-Pentanone(MIBK)	ND	1.0	5.0	"	"	"	"	"	"	
Acrolein	ND	1.9	10	"	"	"	"	"	"	
Acrylonitrile	ND	4.0	10	"	"	"	"	"	"	
Benzene	ND	0.11	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.077	0.50	"	"	"	"	"	"	
Bromochloromethane	ND	0.095	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.49	0.50	"	"	"	"	"	"	
Bromoform	ND	0.25	1.0	"	"	"	"	"	"	
Bromomethane	ND	0.18	0.50	"	"	"	"	"	"	
Carbon Tetrachloride	ND	0.088	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.13	0.50	"	"	"	"	"	"	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Lake Well 2
C1D0198-01 (Liquid, Sampled: 04/01/21 09:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc.										
Volatile Organic Compounds by EPA 8260B										
Chloroethane	ND	0.12	0.50	ug/L	1	1D09021	04/09/21	04/09/21	EPA 8260B	
Chloroform	ND	0.098	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.12	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.11	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.11	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.088	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.12	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	0.50	"	"	"	"	"	"	
Diisopropyl ether	ND	0.062	3.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.20	3.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.077	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.36	0.50	"	"	"	"	"	"	
Isopropylbenzene	ND	0.42	0.50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND	1.9	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	0.14	3.0	"	"	"	"	"	"	
Naphthalene	ND	0.32	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.18	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.060	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.062	0.50	"	"	"	"	"	"	
Styrene	ND	0.064	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	2.7	3.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	1.1	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.074	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.11	0.50	"	"	"	"	"	"	
Toluene	ND	0.11	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.12	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.15	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.10	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	0.10	0.50	"	"	"	"	"	"	
Xylenes (m+p)	ND	0.28	0.50	"	"	"	"	"	"	
Xylenes (ortho)	ND	0.076	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4				109 %	80-120	"	"	"	"	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Lake Well 2
C1D0198-01 (Liquid, Sampled: 04/01/21 09:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----	----	-------	----------	-------	----------	----------	--------	-------

Babcock Laboratories, Inc.

Volatile Organic Compounds by EPA 8260B

Surrogate: 1,2-Dichloroethane-d4	110 %	80-120	1D09021	04/09/21	04/09/21	EPA 8260B
Surrogate: 4-Bromofluorobenzene	107 %	80-120	"	"	"	"
Surrogate: Toluene-d8	96 %	80-120	"	"	"	"

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
 Project Number: RWB4_UST_20/21
 Project Manager: Andrew Choi

Reported:
 04/20/21 17:37

Metals and Metalloids; EPA SW846 Series - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D12094, Prep Method: EPA 7470A/SM 3112B, Analyst: HRL

Blank (1D12094-BLK1)

Prepared & Analyzed: 04/12/21

Mercury	ND	0.051	0.20	ug/L
---------	----	-------	------	------

LCS (1D12094-BS1)

Prepared & Analyzed: 04/12/21

Mercury	3.95	0.051	0.20	ug/L	4.00	99	85-115
---------	------	-------	------	------	------	----	--------

Matrix Spike (1D12094-MS1)

Source: C1D0198-01

Prepared & Analyzed: 04/12/21

Mercury	3.87	0.051	0.20	ug/L	4.00	ND	97	75-125
---------	------	-------	------	------	------	----	----	--------

Matrix Spike Dup (1D12094-MSD1)

Source: C1D0198-01

Prepared & Analyzed: 04/12/21

Mercury	3.86	0.051	0.20	ug/L	4.00	ND	97	75-125	0.2	25
---------	------	-------	------	------	------	----	----	--------	-----	----

Batch 1D12104, Prep Method: EPA 200.2, Analyst: AJH

Blank (1D12104-BLK1)

Prepared & Analyzed: 04/12/21

Antimony	ND	2.4	6.0	ug/L
Arsenic	ND	1.2	2.0	"
Barium	ND	0.97	100	"
Cadmium	ND	0.062	1.0	"
Total Chromium	ND	0.39	10	"
Cobalt	ND	0.078	10	"
Copper	ND	0.92	10	"
Lead	ND	0.21	5.0	"
Molybdenum	ND	0.66	10	"
Nickel	ND	0.78	10	"
Selenium	ND	1.2	5.0	"
Silver	ND	1.1	10	"
Thallium	ND	0.40	1.0	"
Vanadium	ND	1.1	10	"
Zinc	ND	3.7	10	"

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Metals and Metalloids; EPA SW846 Series - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D12104, Prep Method: EPA 200.2, Analyst: AJH

LCS (1D12104-BS1)

Prepared & Analyzed: 04/12/21

Antimony	334	2.4	6.0	ug/L	332		100	85-115			
Arsenic	353	1.2	2.0	"	332		106	85-115			
Barium	351	0.97	100	"	332		105	85-115			
Cadmium	336	0.062	1.0	"	332		101	85-115			
Total Chromium	349	0.39	10	"	332		105	85-115			
Cobalt	359	0.078	10	"	332		108	85-115			
Copper	345	0.92	10	"	332		104	85-115			
Lead	316	0.21	5.0	"	332		95	85-115			
Molybdenum	324	0.66	10	"	332		97	85-115			
Nickel	344	0.78	10	"	332		103	85-115			
Selenium	366	1.2	5.0	"	332		110	85-115			
Silver	47.4	1.1	10	"	50.1		95	85-115			
Thallium	338	0.40	1.0	"	332		102	85-115			
Vanadium	371	1.1	10	"	332		112	85-115			
Zinc	345	3.7	10	"	332		104	85-115			

Duplicate (1D12104-DUP1)

Source: C1D0198-01

Prepared & Analyzed: 04/12/21

Antimony	ND	2.4	6.0	ug/L	ND				25		
Arsenic	ND	1.2	2.0	"	ND				25		
Barium	91.7	0.97	100	"	95.5			4	25		J
Cadmium	ND	0.062	1.0	"	ND				25		
Total Chromium	0.596	0.39	10	"	0.612			3	25		J
Cobalt	0.243	0.078	10	"	0.268			10	20		J
Copper	4.16	0.92	10	"	4.47			7	25		J
Lead	ND	0.21	5.0	"	ND				25		
Molybdenum	3.19	0.66	10	"	3.16			1	25		J
Nickel	3.77	0.78	10	"	3.76			0.2	25		J
Selenium	2.94	1.2	5.0	"	3.19			8	25		J
Silver	ND	1.1	10	"	ND				25		
Thallium	ND	0.40	1.0	"	ND				25		
Vanadium	ND	1.1	10	"	ND				25		
Zinc	5.37	3.7	10	"	5.21			3	25		J

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Metals and Metalloids; EPA SW846 Series - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D12104, Prep Method: EPA 200.2, Analyst: AJH

Matrix Spike (1D12104-MS1)

Source: C1D1204-01

Prepared & Analyzed: 04/12/21

Antimony	336	2.4	6.0	ug/L	332	ND	101	75-125			
Arsenic	387	1.2	2.0	"	332	50.5	101	75-125			
Barium	370	0.97	100	"	332	27.8	103	75-125			
Cadmium	331	0.062	1.0	"	332	ND	100	75-125			
Total Chromium	350	0.39	10	"	332	12.5	102	75-125			
Cobalt	347	0.078	10	"	332	ND	104	75-125			
Copper	337	0.92	10	"	332	5.45	100	75-125			
Lead	308	0.21	5.0	"	332	ND	93	75-125			
Molybdenum	383	0.66	10	"	332	56.7	98	75-125			
Nickel	333	0.78	10	"	332	0.918	100	75-125			
Selenium	345	1.2	5.0	"	332	3.21	103	75-125			
Silver	44.1	1.1	10	"	50.1	ND	88	75-125			
Thallium	329	0.40	1.0	"	332	ND	99	75-125			
Vanadium	395	1.1	10	"	332	19.9	113	75-125			
Zinc	333	3.7	10	"	332	ND	100	75-125			

Matrix Spike Dup (1D12104-MSD1)

Source: C1D1204-01

Prepared & Analyzed: 04/12/21

Antimony	345	2.4	6.0	ug/L	332	ND	104	75-125	3	25	
Arsenic	416	1.2	2.0	"	332	50.5	110	75-125	7	25	
Barium	391	0.97	100	"	332	27.8	109	75-125	6	25	
Cadmium	341	0.062	1.0	"	332	ND	103	75-125	3	25	
Total Chromium	371	0.39	10	"	332	12.5	108	75-125	6	25	
Cobalt	362	0.078	10	"	332	ND	109	75-125	4	20	
Copper	353	0.92	10	"	332	5.45	105	75-125	5	25	
Lead	319	0.21	5.0	"	332	ND	96	75-125	3	25	
Molybdenum	387	0.66	10	"	332	56.7	99	75-125	1	25	
Nickel	350	0.78	10	"	332	0.918	105	75-125	5	25	
Selenium	367	1.2	5.0	"	332	3.21	109	75-125	6	25	
Silver	44.6	1.1	10	"	50.1	ND	89	75-125	1	25	
Thallium	340	0.40	1.0	"	332	ND	102	75-125	3	25	
Vanadium	418	1.1	10	"	332	19.9	120	75-125	6	25	
Zinc	345	3.7	10	"	332	ND	104	75-125	3	25	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Metals and Metalloids; EPA SW846 Series - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D16029, Prep Method: EPA 200.2, Analyst: MEL

Blank (1D16029-BLK1)

Prepared: 04/12/21 Analyzed: 04/16/21

Beryllium ND 0.23 1.0 ug/L

LCS (1D16029-BS1)

Prepared: 04/12/21 Analyzed: 04/16/21

Beryllium 363 0.23 1.0 ug/L 332 109 85-115

Duplicate (1D16029-DUP1)

Source: C1D0198-01RE1 Prepared: 04/12/21 Analyzed: 04/16/21

Beryllium ND 0.23 1.0 ug/L ND 25

Matrix Spike (1D16029-MS1)

Source: C1D1204-01RE1 Prepared: 04/12/21 Analyzed: 04/16/21

Beryllium 312 0.23 1.0 ug/L 332 ND 94 75-125

Matrix Spike Dup (1D16029-MSD1)

Source: C1D1204-01RE1 Prepared: 04/12/21 Analyzed: 04/16/21

Beryllium 302 0.23 1.0 ug/L 332 ND 91 75-125 3 25

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Diesel Range Organics by EPA 8015 - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D08081, Prep Method: Solvent Extraction, Analyst: naa

Blank (1D08081-BLK1)				Prepared & Analyzed: 04/08/21							
DRO (C10-C28)	ND	3.8	5.0	mg/L							QCALh
ORO (C29-C44)	ND	4.1	5.0	"							

Surrogate: o-Terphenyl	2.3			"	2.14		108	50-150			
Surrogate: n-Triacontane	2.7			"	3.14		87	50-150			

LCS (1D08081-BS1)				Prepared & Analyzed: 04/08/21							
DRO (C10-C28)	30.6	3.8	5.0	mg/L	28.6		107	50-150			QCALh
ORO (C29-C44)	22.7	4.1	5.0	"	28.6		80	50-150			
Surrogate: o-Terphenyl	2.4			"	2.14		113	50-150			
Surrogate: n-Triacontane	3.0			"	3.14		96	50-150			

Duplicate (1D08081-DUP1)				Source: C1D0198-01		Prepared & Analyzed: 04/08/21					
DRO (C10-C28)	ND	3.8	5.0	mg/L		ND				25	QCALh
ORO (C29-C44)	ND	4.1	5.0	"		ND				25	
Surrogate: o-Terphenyl	2.3			"	2.14		106	50-150			
Surrogate: n-Triacontane	2.6			"	3.14		84	50-150			

Matrix Spike (1D08081-MS1)				Source: C1D0198-01		Prepared & Analyzed: 04/08/21					
DRO (C10-C28)	27.6	3.8	5.0	mg/L	28.6	ND	97	50-150			QCALh
ORO (C29-C44)	20.3	4.1	5.0	"	28.6	ND	71	50-150			
Surrogate: o-Terphenyl	2.2			"	2.14		104	50-150			
Surrogate: n-Triacontane	2.7			"	3.14		85	50-150			

Matrix Spike Dup (1D08081-MSD1)				Source: C1D0198-01		Prepared & Analyzed: 04/08/21					
DRO (C10-C28)	27.4	3.8	5.0	mg/L	28.6	ND	96	50-150	0.6	25	QCALh
ORO (C29-C44)	19.5	4.1	5.0	"	28.6	ND	68	50-150	4	25	
Surrogate: o-Terphenyl	2.2			"	2.14		101	50-150			
Surrogate: n-Triacontane	2.6			"	3.14		82	50-150			

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Gasoline Range Organics by EPA 8015 - Quality Control
Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D06129, Prep Method: Purge and Trap, Analyst: jes

Blank (1D06129-BLK1)					Prepared & Analyzed: 04/06/21						
Gasoline Range Organics	ND	0.018	0.050	mg/L							
Surrogate: a,a,a-Trifluorotoluene	0.46			"	0.500		93	64-120			
LCS (1D06129-BS1)					Prepared & Analyzed: 04/06/21						
Gasoline Range Organics	2.39	0.018	0.050	mg/L	2.32		103	70-130			
Surrogate: a,a,a-Trifluorotoluene	0.51			"	0.500		102	64-120			
LCS Dup (1D06129-BSD1)					Prepared & Analyzed: 04/06/21						
Gasoline Range Organics	2.24	0.018	0.050	mg/L	2.32		96	70-130	7	40	
Surrogate: a,a,a-Trifluorotoluene	0.50			"	0.500		100	64-120			
Duplicate (1D06129-DUP1)					Source: C1D0198-01		Prepared & Analyzed: 04/06/21				
Gasoline Range Organics	ND	0.018	0.050	mg/L		ND				40	
Surrogate: a,a,a-Trifluorotoluene	0.49			"	0.500		98	64-120			
Matrix Spike (1D06129-MS1)					Source: C1D0198-01		Prepared & Analyzed: 04/06/21				
Gasoline Range Organics	2.61	0.018	0.050	mg/L	2.50	ND	104	70-151			
Surrogate: a,a,a-Trifluorotoluene	0.49			"	0.500		98	64-120			
Matrix Spike Dup (1D06129-MSD1)					Source: C1D0198-01		Prepared & Analyzed: 04/06/21				
Gasoline Range Organics	2.72	0.018	0.050	mg/L	2.50	ND	109	70-151	4	40	
Surrogate: a,a,a-Trifluorotoluene	0.51			"	0.500		102	64-120			

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
 Project Number: RWB4_UST_20/21
 Project Manager: Andrew Choi

Reported:
 04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Blank (1D09021-BLK1)

Prepared & Analyzed: 04/09/21

1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L
1,1,1-Trichloroethane	ND	0.083	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.092	0.50	"
1,1,2-Trichloroethane	ND	0.10	0.50	"
1,1-Dichloroethane	ND	0.086	0.50	"
1,1-Dichloroethene	ND	0.14	0.50	"
1,1-Dichloropropene	ND	0.10	0.50	"
1,2,3-Trichlorobenzene	ND	0.39	0.50	"
1,2,3-Trichloropropane	ND	0.11	0.50	"
1,2,4-Trichlorobenzene	ND	0.29	0.50	"
1,2,4-Trimethylbenzene	ND	0.080	0.50	"
1,2-Dichlorobenzene	ND	0.11	0.50	"
1,2-Dichloroethane	ND	0.11	0.50	"
1,2-Dichloropropane	ND	0.14	0.50	"
1,3,5-Trimethylbenzene	ND	0.095	0.50	"
1,3-Dichlorobenzene	ND	0.11	0.50	"
1,3-Dichloropropane	ND	0.11	0.50	"
1,4-Dichlorobenzene	ND	0.15	0.50	"
2,2-Dichloropropane	ND	0.067	0.50	"
2-Butanone(MEK)	ND	1.0	3.0	"
2-Chlorotoluene	ND	0.057	0.50	"
4-Chlorotoluene	ND	0.098	0.50	"
4-Methyl-2-Pentanone(MIBK)	ND	1.0	5.0	"
Acrolein	ND	1.9	10	"
Acrylonitrile	ND	4.0	10	"
Benzene	ND	0.11	0.50	"
Bromobenzene	ND	0.077	0.50	"
Bromochloromethane	ND	0.095	0.50	"
Bromodichloromethane	ND	0.49	0.50	"
Bromoform	ND	0.25	1.0	"
Bromomethane	ND	0.18	0.50	"
Carbon Tetrachloride	ND	0.088	0.50	"
Chlorobenzene	ND	0.13	0.50	"
Chloroethane	ND	0.12	0.50	"
Chloroform	ND	0.098	0.50	"
Chloromethane	ND	0.12	0.50	"
cis-1,2-Dichloroethene	ND	0.11	0.50	"

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Blank (1D09021-BLK1)

Prepared & Analyzed: 04/09/21

cis-1,3-Dichloropropene	ND	0.11	0.50	ug/L							
Dibromochloromethane	ND	0.088	0.50	"							
Dibromomethane	ND	0.12	0.50	"							
Dichlorodifluoromethane	ND	0.18	0.50	"							
Ethylbenzene	ND	0.077	0.50	"							
Hexachlorobutadiene	ND	0.36	0.50	"							
Isopropylbenzene	ND	0.42	0.50	"							
Methyl tert Butyl Ether	ND	1.9	5.0	"							
Methylene Chloride	ND	0.14	3.0	"							
Naphthalene	ND	0.32	0.50	"							
n-Butylbenzene	ND	0.18	0.50	"							
n-Propylbenzene	ND	0.060	0.50	"							
sec-Butylbenzene	ND	0.062	0.50	"							
Styrene	ND	0.064	0.50	"							
tert-Butylbenzene	ND	0.074	0.50	"							
Tetrachloroethene	ND	0.11	0.50	"							
Toluene	ND	0.11	0.50	"							
trans-1,2-Dichloroethene	ND	0.12	0.50	"							
trans-1,3-Dichloropropene	ND	0.15	0.50	"							
Trichloroethene	ND	0.10	0.50	"							
Trichlorofluoromethane	ND	2.1	5.0	"							
Vinyl Chloride	ND	0.10	0.50	"							
Xylenes (m+p)	ND	0.28	0.50	"							
Xylenes (ortho)	ND	0.076	0.50	"							
Diisopropyl ether	ND	0.062	3.0	"							
Ethyl tert-butyl ether	ND	0.20	3.0	"							
tert-Amyl Methyl Ether	ND	2.7	3.0	"							
Tert-butyl alcohol	ND	1.1	50	"							
Surrogate: 1,2-Dichloroethane-d4	10.6			"	10.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	10.9			"	10.0		109	80-120			
Surrogate: Toluene-d8	9.67			"	10.0		97	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	10.7			"	10.0		107	80-120			

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
 Project Number: RWB4_UST_20/21
 Project Manager: Andrew Choi

Reported:
 04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Blank (1D09021-BLK2)

Prepared & Analyzed: 04/09/21

1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L
1,1,1-Trichloroethane	ND	0.083	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.092	0.50	"
1,1,2-Trichloroethane	ND	0.10	0.50	"
1,1-Dichloroethane	ND	0.086	0.50	"
1,1-Dichloroethene	ND	0.14	0.50	"
1,1-Dichloropropene	ND	0.10	0.50	"
1,2,3-Trichlorobenzene	ND	0.39	0.50	"
1,2,3-Trichloropropane	ND	0.11	0.50	"
1,2,4-Trichlorobenzene	ND	0.29	0.50	"
1,2,4-Trimethylbenzene	ND	0.080	0.50	"
1,2-Dichlorobenzene	ND	0.11	0.50	"
1,2-Dichloroethane	ND	0.11	0.50	"
1,2-Dichloropropane	ND	0.14	0.50	"
1,3,5-Trimethylbenzene	ND	0.095	0.50	"
1,3-Dichlorobenzene	ND	0.11	0.50	"
1,3-Dichloropropane	ND	0.11	0.50	"
1,4-Dichlorobenzene	ND	0.15	0.50	"
2,2-Dichloropropane	ND	0.067	0.50	"
2-Butanone(MEK)	ND	1.0	3.0	"
2-Chlorotoluene	ND	0.057	0.50	"
4-Chlorotoluene	ND	0.098	0.50	"
4-Methyl-2-Pentanone(MIBK)	ND	1.0	5.0	"
Acrolein	ND	1.9	10	"
Acrylonitrile	ND	4.0	10	"
Benzene	ND	0.11	0.50	"
Bromobenzene	ND	0.077	0.50	"
Bromochloromethane	ND	0.095	0.50	"
Bromodichloromethane	ND	0.49	0.50	"
Bromoform	ND	0.25	1.0	"
Bromomethane	ND	0.18	0.50	"
Carbon Tetrachloride	ND	0.088	0.50	"
Chlorobenzene	ND	0.13	0.50	"
Chloroethane	ND	0.12	0.50	"
Chloroform	ND	0.098	0.50	"
Chloromethane	ND	0.12	0.50	"
cis-1,2-Dichloroethene	ND	0.11	0.50	"

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
 Project Number: RWB4_UST_20/21
 Project Manager: Andrew Choi

Reported:
 04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Blank (1D09021-BLK2)

Prepared & Analyzed: 04/09/21

cis-1,3-Dichloropropene	ND	0.11	0.50	ug/L							
Dibromochloromethane	ND	0.088	0.50	"							
Dibromomethane	ND	0.12	0.50	"							
Dichlorodifluoromethane	ND	0.18	0.50	"							
Ethylbenzene	ND	0.077	0.50	"							
Hexachlorobutadiene	ND	0.36	0.50	"							
Isopropylbenzene	ND	0.42	0.50	"							
Methyl tert Butyl Ether	ND	1.9	5.0	"							
Methylene Chloride	ND	0.14	3.0	"							
Naphthalene	ND	0.32	0.50	"							
n-Butylbenzene	ND	0.18	0.50	"							
n-Propylbenzene	ND	0.060	0.50	"							
sec-Butylbenzene	ND	0.062	0.50	"							
Styrene	ND	0.064	0.50	"							
tert-Butylbenzene	ND	0.074	0.50	"							
Tetrachloroethene	ND	0.11	0.50	"							
Toluene	ND	0.11	0.50	"							
trans-1,2-Dichloroethene	ND	0.12	0.50	"							
trans-1,3-Dichloropropene	ND	0.15	0.50	"							
Trichloroethene	ND	0.10	0.50	"							
Trichlorofluoromethane	ND	2.1	5.0	"							
Vinyl Chloride	ND	0.10	0.50	"							
Xylenes (m+p)	ND	0.28	0.50	"							
Xylenes (ortho)	ND	0.076	0.50	"							
Diisopropyl ether	ND	0.062	3.0	"							
Ethyl tert-butyl ether	ND	0.20	3.0	"							
tert-Amyl Methyl Ether	ND	2.7	3.0	"							
Tert-butyl alcohol	ND	1.1	50	"							
Surrogate: 1,2-Dichloroethane-d4	10.7			"	10.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	10.8			"	10.0		108	80-120			
Surrogate: Toluene-d8	9.72			"	10.0		97	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	11.0			"	10.0		110	80-120			

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

LCS (1D09021-BS1)

Prepared & Analyzed: 04/09/21

1,1-Dichloroethane	26.3	0.086	0.50	ug/L	25.0		105	70-130			
1,1-Dichloroethene	25.9	0.14	0.50	"	25.0		104	70-130			
1,4-Dichlorobenzene	24.0	0.15	0.50	"	25.0		96	70-130			
Benzene	27.3	0.11	0.50	"	25.0		109	70-130			
Bromodichloromethane	25.7	0.49	0.50	"	25.0		103	70-130			
Bromoform	23.4	0.25	1.0	"	25.0		94	70-130			
Chloroform	26.5	0.098	0.50	"	25.0		106	70-130			
Dibromochloromethane	25.3	0.088	0.50	"	25.0		101	70-130			
Ethylbenzene	26.2	0.077	0.50	"	25.0		105	70-130			
Methyl tert Butyl Ether	28.2	1.9	5.0	"	25.0		113	70-130			
Tetrachloroethene	25.2	0.11	0.50	"	25.0		101	70-130			
Toluene	25.5	0.11	0.50	"	25.0		102	70-130			
Trichloroethene	24.1	0.10	0.50	"	25.0		96	70-130			
Vinyl Chloride	25.9	0.10	0.50	"	25.0		103	70-130			
Xylenes (m+p)	53.4	0.28	0.50	"	50.0		107	70-130			
Xylenes (ortho)	26.0	0.076	0.50	"	25.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.5			"	10.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	9.40			"	10.0		94	80-120			
Surrogate: Toluene-d8	9.69			"	10.0		97	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	10.0			"	10.0		100	80-120			

LCS Dup (1D09021-BS1)

Prepared & Analyzed: 04/09/21

1,1-Dichloroethane	28.2	0.086	0.50	ug/L	25.0		113	70-130	7	25	
1,1-Dichloroethene	27.8	0.14	0.50	"	25.0		111	70-130	7	25	
1,4-Dichlorobenzene	24.8	0.15	0.50	"	25.0		99	70-130	3	25	
Benzene	28.5	0.11	0.50	"	25.0		114	70-130	4	25	
Bromodichloromethane	26.8	0.49	0.50	"	25.0		107	70-130	4	25	
Bromoform	24.8	0.25	1.0	"	25.0		99	70-130	6	25	
Chloroform	27.7	0.098	0.50	"	25.0		111	70-130	4	25	
Dibromochloromethane	26.4	0.088	0.50	"	25.0		106	70-130	5	25	
Ethylbenzene	27.1	0.077	0.50	"	25.0		108	70-130	3	25	
Methyl tert Butyl Ether	29.1	1.9	5.0	"	25.0		116	70-130	3	25	
Tetrachloroethene	26.6	0.11	0.50	"	25.0		107	70-130	6	25	
Toluene	26.8	0.11	0.50	"	25.0		107	70-130	5	25	
Trichloroethene	25.6	0.10	0.50	"	25.0		102	70-130	6	25	
Vinyl Chloride	28.5	0.10	0.50	"	25.0		114	70-130	10	25	
Xylenes (m+p)	55.9	0.28	0.50	"	50.0		112	70-130	5	25	
Xylenes (ortho)	26.9	0.076	0.50	"	25.0		107	70-130	3	25	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

LCS Dup (1D09021-BSD1)

Prepared & Analyzed: 04/09/21

Surrogate: 1,2-Dichloroethane-d4	10.3			"	10.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	9.53			"	10.0		95	80-120			
Surrogate: Toluene-d8	9.78			"	10.0		98	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	9.80			"	10.0		98	80-120			

Duplicate (1D09021-DUP1)

Source: C1D0198-01

Prepared & Analyzed: 04/09/21

1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L		ND				25	
1,1,1-Trichloroethane	ND	0.083	0.50	"		ND				25	
1,1,2,2-Tetrachloroethane	ND	0.092	0.50	"		ND				25	
1,1,2-Trichloroethane	ND	0.10	0.50	"		ND				25	
1,1-Dichloroethane	ND	0.086	0.50	"		ND				25	
1,1-Dichloroethene	ND	0.14	0.50	"		ND				25	
1,1-Dichloropropene	ND	0.10	0.50	"		ND				25	
1,2,3-Trichlorobenzene	ND	0.39	0.50	"		ND				25	
1,2,3-Trichloropropane	ND	0.11	0.50	"		ND				25	
1,2,4-Trichlorobenzene	ND	0.29	0.50	"		ND				25	
1,2,4-Trimethylbenzene	ND	0.080	0.50	"		ND				25	
1,2-Dichlorobenzene	ND	0.11	0.50	"		ND				25	
1,2-Dichloroethane	ND	0.11	0.50	"		ND				25	
1,2-Dichloropropane	ND	0.14	0.50	"		ND				25	
1,3,5-Trimethylbenzene	ND	0.095	0.50	"		ND				25	
1,3-Dichlorobenzene	ND	0.11	0.50	"		ND				25	
1,3-Dichloropropane	ND	0.11	0.50	"		ND				25	
1,4-Dichlorobenzene	ND	0.15	0.50	"		ND				25	
2,2-Dichloropropane	ND	0.067	0.50	"		ND				25	
2-Butanone(MEK)	ND	1.0	3.0	"		ND				25	
2-Chlorotoluene	ND	0.057	0.50	"		ND				25	
4-Chlorotoluene	ND	0.098	0.50	"		ND				25	
4-Methyl-2-Pentanone(MIBK)	ND	1.0	5.0	"		ND				25	
Acrolein	ND	1.9	10	"		ND				25	
Acrylonitrile	ND	4.0	10	"		ND				25	
Benzene	ND	0.11	0.50	"		ND				25	
Bromobenzene	ND	0.077	0.50	"		ND				25	
Bromochloromethane	ND	0.095	0.50	"		ND				25	
Bromodichloromethane	ND	0.49	0.50	"		ND				25	
Bromoform	ND	0.25	1.0	"		ND				25	
Bromomethane	ND	0.18	0.50	"		ND				25	
Carbon Tetrachloride	ND	0.088	0.50	"		ND				25	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Duplicate (1D09021-DUP1)	Source: C1D0198-01				Prepared & Analyzed: 04/09/21						
Chlorobenzene	ND	0.13	0.50	"		ND				25	
Chloroethane	ND	0.12	0.50	"		ND				25	
Chloroform	ND	0.098	0.50	"		ND				25	
Chloromethane	ND	0.12	0.50	"		ND				25	
cis-1,2-Dichloroethene	ND	0.11	0.50	"		ND				25	
cis-1,3-Dichloropropene	ND	0.11	0.50	"		ND				25	
Dibromochloromethane	ND	0.088	0.50	"		ND				25	
Dibromomethane	ND	0.12	0.50	"		ND				25	
Dichlorodifluoromethane	ND	0.18	0.50	"		ND				25	
Ethylbenzene	ND	0.077	0.50	"		ND				25	
Hexachlorobutadiene	ND	0.36	0.50	"		ND				25	
Isopropylbenzene	ND	0.42	0.50	"		ND				25	
Methyl tert Butyl Ether	ND	1.9	5.0	"		ND				25	
Methylene Chloride	ND	0.14	3.0	"		ND				25	
Naphthalene	ND	0.32	0.50	"		ND				25	
n-Butylbenzene	ND	0.18	0.50	"		ND				25	
n-Propylbenzene	ND	0.060	0.50	"		ND				25	
sec-Butylbenzene	ND	0.062	0.50	"		ND				25	
Styrene	ND	0.064	0.50	"		ND				25	
tert-Butylbenzene	ND	0.074	0.50	"		ND				25	
Tetrachloroethene	ND	0.11	0.50	"		ND				25	
Toluene	ND	0.11	0.50	"		ND				25	
trans-1,2-Dichloroethene	ND	0.12	0.50	"		ND				25	
trans-1,3-Dichloropropene	ND	0.15	0.50	"		ND				25	
Trichloroethene	ND	0.10	0.50	"		ND				25	
Trichlorofluoromethane	ND	2.1	5.0	"		ND				25	
Vinyl Chloride	ND	0.10	0.50	"		ND				25	
Xylenes (m+p)	ND	0.28	0.50	"		ND				25	
Xylenes (ortho)	ND	0.076	0.50	"		ND				25	
Diisopropyl ether	ND	0.062	3.0	"		ND				25	
Ethyl tert-butyl ether	ND	0.20	3.0	"		ND				25	
tert-Amyl Methyl Ether	ND	2.7	3.0	"		ND				25	
Tert-butyl alcohol	ND	1.1	50	"		ND				25	
Surrogate: 1,2-Dichloroethane-d4	10.9			"	10.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	10.7			"	10.0		107	80-120			
Surrogate: Toluene-d8	9.65			"	10.0		96	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	11.0			"	10.0		110	80-120			

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Matrix Spike (1D09021-MS1)		Source: C1D0198-01			Prepared & Analyzed: 04/09/21						
1,1-Dichloroethane	31.0	0.086	0.50	ug/L	25.0	ND	124	50-150			
1,1-Dichloroethene	31.6	0.14	0.50	"	25.0	ND	127	50-150			
1,4-Dichlorobenzene	27.7	0.15	0.50	"	25.0	ND	111	50-150			
Benzene	31.5	0.11	0.50	"	25.0	ND	126	50-150			
Bromodichloromethane	29.3	0.49	0.50	"	25.0	ND	117	50-150			
Bromoform	27.6	0.25	1.0	"	25.0	ND	110	50-150			
Chloroform	30.4	0.098	0.50	"	25.0	ND	122	50-150			
Dibromochloromethane	29.0	0.088	0.50	"	25.0	ND	116	50-150			
Ethylbenzene	30.3	0.077	0.50	"	25.0	ND	121	50-150			
Methyl tert Butyl Ether	31.6	1.9	5.0	"	25.0	ND	127	50-150			
Tetrachloroethene	30.6	0.11	0.50	"	25.0	ND	122	50-150			
Toluene	29.6	0.11	0.50	"	25.0	ND	118	50-150			
Trichloroethene	28.8	0.10	0.50	"	25.0	ND	115	50-150			
Vinyl Chloride	31.3	0.10	0.50	"	25.0	ND	125	50-150			
Xylenes (m+p)	61.9	0.28	0.50	"	50.0	ND	124	50-150			
Xylenes (ortho)	30.0	0.076	0.50	"	25.0	ND	120	50-150			
Surrogate: 1,2-Dichloroethane-d4	10.1			"	10.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	9.51			"	10.0		95	80-120			
Surrogate: Toluene-d8	9.82			"	10.0		98	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	9.77			"	10.0		98	80-120			

Matrix Spike Dup (1D09021-MSD1)		Source: C1D0198-01			Prepared & Analyzed: 04/09/21						
1,1-Dichloroethane	30.7	0.086	0.50	ug/L	25.0	ND	123	50-150	1	25	
1,1-Dichloroethene	31.0	0.14	0.50	"	25.0	ND	124	50-150	2	25	
1,4-Dichlorobenzene	27.2	0.15	0.50	"	25.0	ND	109	50-150	2	25	
Benzene	30.8	0.11	0.50	"	25.0	ND	123	50-150	2	25	
Bromodichloromethane	28.6	0.49	0.50	"	25.0	ND	114	50-150	2	25	
Bromoform	27.3	0.25	1.0	"	25.0	ND	109	50-150	0.9	25	
Chloroform	30.3	0.098	0.50	"	25.0	ND	121	50-150	0.4	25	
Dibromochloromethane	28.5	0.088	0.50	"	25.0	ND	114	50-150	2	25	
Ethylbenzene	29.7	0.077	0.50	"	25.0	ND	119	50-150	2	25	
Methyl tert Butyl Ether	31.3	1.9	5.0	"	25.0	ND	125	50-150	1	25	
Tetrachloroethene	29.6	0.11	0.50	"	25.0	ND	118	50-150	3	25	
Toluene	29.0	0.11	0.50	"	25.0	ND	116	50-150	2	25	
Trichloroethene	28.1	0.10	0.50	"	25.0	ND	112	50-150	3	25	
Vinyl Chloride	30.0	0.10	0.50	"	25.0	ND	120	50-150	4	25	
Xylenes (m+p)	60.4	0.28	0.50	"	50.0	ND	121	50-150	3	25	
Xylenes (ortho)	29.2	0.076	0.50	"	25.0	ND	117	50-150	3	25	

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Volatile Organic Compounds by EPA 8260B - Quality Control

Babcock Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1D09021, Prep Method: Purge and Trap, Analyst: jes

Matrix Spike Dup (1D09021-MSD1)

Source: C1D0198-01

Prepared & Analyzed: 04/09/21

Surrogate: 1,2-Dichloroethane-d4	10.1			"	10.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	9.60			"	10.0		96	80-120			
Surrogate: Toluene-d8	9.72			"	10.0		97	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	9.98			"	10.0		100	80-120			

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Notes and Definitions

J Estimated value

NCALhND Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, therefore data not impacted.

QCALh The instrument calibration verification result(s) were above laboratory acceptance criteria. The QC sample result(s) are estimate(s) only.

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the Reporting Limit (or Method Detection Limit when listed)
NR	Not Reported
Dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc.
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

Babcock Laboratories, Inc. - Certification(s) List

Cert. ID	Description	Cert. Number	Expires
A2LA	ISO 17025:2017 for Bottled Beverages	3232.01	01/31/2022
AL DEM	AL Department of Environmental Management	41890	12/04/2021
ANAB	ISO 17025:2017 and US Department of Defense	ADE-2825	12/04/2021
ELAP	CA Environmental Lab Accreditation Program	2698	05/31/2022
Guam EPA	Guam EPA	19-012R	05/16/2021
HI DOH	HI Department of Health, Safe Drinking Water Branch		12/18/2021
ORELAP	Oregon National Environmental Lab Accreditation Program	4035	12/18/2021
WA DOE	WA State Department of Ecology	C1058	02/09/2022

Babcock Laboratories, Inc.

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

Amanda Christy Porter, Project Manager

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_UST_20/21
Project Number: RWB4_UST_20/21
Project Manager: Andrew Choi

Reported:
04/20/21 17:37

BABCOCK LABORATORIES

6100 Quail Valley Court
Riverside, CA 92507
T: (951) 653-3351

Non-SWAMP/CEDEN Projects

**This COC is for Non-CEDEN Projects only, results are not required to be in SWAMP 2.5 EDD Template*

Chain of Custody Record & Sample Information


Page 1 of 1

Sample Collection Agency:		Agreement No.: 20-043-270		Analyses Requested											
California Regional Water Quality Control Board, Los Angeles Region				Sample Matrix (See Codes Below)	Sample Type (G = Grab; C = Composite; O = Other)	Container Type (P = Plastic; G = Glass; O = Other)	Preservation Code (See Codes Below)	# of Containers	TPHig, TPHid, TPHo by EPA Method 8015M	Full List VOCs & Fuel Oxygenates by EPA Method 8260B	California Title 22 Metals by EPA Method 6010B				
Sample Collection Address:		Project Code:													
320 W. 4th Street, Suite 200, Los Angeles, CA 90013		RW94_UST_20/21													
Project Lead:		Field Lead:													
Name: James Ryan		Name: Andrew Choi													
Phone: 213.576.6711		Phone: 213.576.6791													
Email: jamesw.ryan@waterboards.ca.gov		Email: andrew.choi@waterboards.ca.gov													
Sample ID	Date	Time	Location	GW	G	P	C	O	X	X	X	Notes			
1) Lake Well 2	4/1/2021	9:15	Rolling Hills Country Club, 3 Chandler Ranch Road, Rolling Hills Estates, CA 90274												Fuel Oxygenates includes DIPE, ETBE, MTBE, TAME, and TBA
2)															
3)															
4)															
5)															
6)															
7)															
8)															
9)															
10)															

C1D0198

Rc'd: 04/02/2021 11:08

JLH



Samples Relinquished By:				Samples Received By:			
Name (Print) and Agency	Signature	Date	Time	Name (Print) and Agency	Signature	Date	Time
James Ryan, LARWQCB	[Signature]	4/1/2021	10:10	Ship via FedEx to Lab	[Signature]	4-2-2021	11:08
James Ryan, LARWQCB	[Signature]	4-2-2021	11:08	Ship via FedEx to Lab	[Signature]	4-2-2021	11:08

Sample Matrix	Preservation Codes	Sample Receipt - Completed by Laboratory personnel:	Laboratory Notes:	Special Instructions:
SFW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____	1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2SO3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____	Total Number of Sample Containers Received: 19 Sample(s) Properly Cooled: Y / N / NA Temperature: 6 °C Sample(s) Intact: Y / N / NA Custody Seal(s) Intact: Y / N / NA Sample(s) Accepted: Y / N	7AG#8 Send Results to: OIMA-Helpdesk@waterboards.ca.gov	Evidence sample handling required? <input type="checkbox"/> Return Shipping Containers? <input type="checkbox"/> Turn Around Time: *3-5 Day (Rush) <input type="checkbox"/> *48-Hr (Rush) <input type="checkbox"/>

Distribution: Original copies accompany sample shipment to laboratory; Electronic copy emailed to aporter@babcocklabs.com & OIMA-helpdesk@waterboards.ca.gov

v5.0.SWAMP IQ 2021.02.23