

April 22, 2019

Paradise Irrigation District
 6332 Clark Road
 Paradise, CA 95969

Lab ID : CH 1972622
 Customer : 7-5855

Laboratory Report

Introduction: This report package contains total of 18 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(10 pages)	: Results for each sample submitted.
Quality Control	(6 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	04/11/2019	04/11/2019	CH 1972622-000	LBW
631 BILLE	04/11/2019	04/11/2019	CH 1972622-001	DW
162 E SUTTER HB	04/11/2019	04/11/2019	CH 1972622-002	DW
162 E SUTTER F	04/11/2019	04/11/2019	CH 1972622-003	DW
162 E SUTTER HBA	04/11/2019	04/11/2019	CH 1972622-004	DW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Organic QC

524.2	04/16/2019:205821 All analysis quality controls are within established criteria, except: The following note applies to Hexachlorobutadiene: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	04/16/2019:204404 All preparation quality controls are within established criteria, except: The following note applies to Ethyl tert-Butyl Ether: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
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Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-04-22

April 22, 2019

Lab ID : CH 1972622-000

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : April 11, 2019-00:00

Sampled By : Laura Capra

Received On : April 11, 2019-14:02

Matrix : Lab. Blank Water

Description : Travel Blank

Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
4-Bromofluorobenzene [‡]	102	70-130	%		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene-d4 [‡]	106	70-130	%		524.2	04/16/19:204404	524.2	04/16/19:205821
Benzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromochloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromomethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
n-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
sec-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Carbon Tetrachloride	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butanol	ND	2	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2-Chlorotoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
4-Chlorotoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dibromomethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichlorodifluoromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821

April 22, 2019
Description : Travel Blank

Lab ID : CH 1972622-000
Customer ID : 7-5855

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
Ethyl Benzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Hexachlorobutadiene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Isopropylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
p-Isopropyltoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Naphthalene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
n-Propylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Styrene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Tetrachloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Toluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1-Trichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Trichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Trichlorofluoromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Vinyl Chloride	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes (Total)	ND	--	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes m,p	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes o	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

April 22, 2019

Lab ID : CH 1972622-001

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : April 11, 2019-09:45

Sampled By : Laura Capra

Received On : April 11, 2019-14:02

Matrix : Drinking Water

Description : 631 BILLE

Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
4-Bromofluorobenzene [‡]	99.9	70-130	%	1	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene-d4 [‡]	106	70-130	%		524.2	04/16/19:204404	524.2	04/16/19:205821
Benzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromochloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromomethane	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
n-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
sec-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Carbon Tetrachloride	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butanol	ND	2	ug/L	70	524.2	04/16/19:204404	524.2	04/16/19:205821
Chlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2-Chlorotoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	04/16/19:204404	524.2	04/16/19:205821
Dibromomethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821

April 22, 2019
Description : 631 BILLE

Lab ID : CH 1972622-001
Customer ID : 7-5855

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
Ethyl Benzene	ND	0.5	ug/L	300	524.2	04/16/19:204404	524.2	04/16/19:205821
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Hexachlorobutadiene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Isopropylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
p-Isopropyltoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	04/16/19:204404	524.2	04/16/19:205821
Naphthalene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
n-Propylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Styrene	ND	0.5	ug/L	100	524.2	04/16/19:204404	524.2	04/16/19:205821
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	04/16/19:204404	524.2	04/16/19:205821
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Toluene	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes (Total)	ND	--	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes m,p	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes o	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

April 22, 2019

Lab ID : CH 1972622-002

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : April 11, 2019-10:30

Sampled By : Laura Capra

Received On : April 11, 2019-14:02

Matrix : Drinking Water

Description : 162 E SUTTER HB

Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
4-Bromofluorobenzene [‡]	106	70-130	%	1	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene-d4 [‡]	105	70-130	%		524.2	04/16/19:204404	524.2	04/16/19:205821
Benzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromochloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromomethane	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
n-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
sec-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Carbon Tetrachloride	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butanol	ND	2	ug/L	70	524.2	04/16/19:204404	524.2	04/16/19:205821
Chlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2-Chlorotoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	04/16/19:204404	524.2	04/16/19:205821
Dibromomethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821

April 22, 2019
Description : 162 E SUTTER HB

Lab ID : CH 1972622-002
Customer ID : 7-5855

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
Ethyl Benzene	ND	0.5	ug/L	300	524.2	04/16/19:204404	524.2	04/16/19:205821
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Hexachlorobutadiene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Isopropylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
p-Isopropyltoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	04/16/19:204404	524.2	04/16/19:205821
Naphthalene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
n-Propylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Styrene	ND	0.5	ug/L	100	524.2	04/16/19:204404	524.2	04/16/19:205821
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	04/16/19:204404	524.2	04/16/19:205821
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Toluene	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes (Total)	ND	--	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes m,p	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes o	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

April 22, 2019

Lab ID : CH 1972622-003

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : April 11, 2019-10:40

Sampled By : Laura Capra

Received On : April 11, 2019-14:02

Matrix : Drinking Water

Description : 162 E SUTTER F

Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
4-Bromofluorobenzene [‡]	102	70-130	%	1	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene-d4 [‡]	108	70-130	%		524.2	04/16/19:204404	524.2	04/16/19:205821
Benzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromochloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromomethane	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
n-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
sec-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Carbon Tetrachloride	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butanol	ND	2	ug/L	70	524.2	04/16/19:204404	524.2	04/16/19:205821
Chlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2-Chlorotoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	04/16/19:204404	524.2	04/16/19:205821
Dibromomethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821

April 22, 2019
Description : 162 E SUTTER F

Lab ID : CH 1972622-003
Customer ID : 7-5855

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
Ethyl Benzene	ND	0.5	ug/L	300	524.2	04/16/19:204404	524.2	04/16/19:205821
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Hexachlorobutadiene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Isopropylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
p-Isopropyltoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	04/16/19:204404	524.2	04/16/19:205821
Naphthalene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
n-Propylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Styrene	ND	0.5	ug/L	100	524.2	04/16/19:204404	524.2	04/16/19:205821
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	04/16/19:204404	524.2	04/16/19:205821
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Toluene	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes (Total)	ND	--	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes m,p	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes o	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

April 22, 2019

Lab ID : CH 1972622-004

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : April 11, 2019-10:45

Sampled By : Laura Capra

Received On : April 11, 2019-14:02

Matrix : Drinking Water

Description : 162 E SUTTER HBA

Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
4-Bromofluorobenzene [‡]	102	70-130	%	1	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene-d4 [‡]	109	70-130	%		524.2	04/16/19:204404	524.2	04/16/19:205821
Benzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromochloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Bromomethane	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
n-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
sec-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Carbon Tetrachloride	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
tert-Butanol	ND	2	ug/L	70	524.2	04/16/19:204404	524.2	04/16/19:205821
Chlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Chloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2-Chlorotoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	04/16/19:204404	524.2	04/16/19:205821
Dibromomethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Dichloromethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
2,2-Dichloropropane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821

April 22, 2019
Description : 162 E SUTTER HBA

Lab ID : CH 1972622-004
Customer ID : 7-5855

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 524.2								
Ethyl Benzene	ND	0.5	ug/L	300	524.2	04/16/19:204404	524.2	04/16/19:205821
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Hexachlorobutadiene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Isopropylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
p-Isopropyltoluene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	04/16/19:204404	524.2	04/16/19:205821
Naphthalene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
n-Propylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Styrene	ND	0.5	ug/L	100	524.2	04/16/19:204404	524.2	04/16/19:205821
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	04/16/19:204404	524.2	04/16/19:205821
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Toluene	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichloroethylene	ND	0.5	ug/L	5	524.2	04/16/19:204404	524.2	04/16/19:205821
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	04/16/19:204404	524.2	04/16/19:205821
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	04/16/19:204404	524.2	04/16/19:205821
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	04/16/19:204404	524.2	04/16/19:205821
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes (Total)	ND	--	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes m,p	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821
Xylenes o	ND	0.5	ug/L	1750	524.2	04/16/19:204404	524.2	04/16/19:205821

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,1,1,2-Tetrachloroethane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	12-178	
			MSD	ug/L	10.00	136 %	12-178	
			MSRPD	ug/L	10.00	10.9%	≤39	
1,1,1-Trichloroethane(TCA)	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	118 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	9-176	
			MSD	ug/L	10.00	149 %	9-176	
1,1,2-Tetrachloroethane	524.2	04/16/19:204404VRG (SP 1904769-002)	MSRPD	ug/L	10.00	10.0%	≤33	
			CCV	ug/L	10.00	119 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	91.8 %	23-180	
1,1,2-Trichloroethane	524.2	04/16/19:205821VRG	MSD	ug/L	10.00	104 %	23-180	
			MSRPD	ug/L	10.00	12.8%	≤34	
			CCV	ug/L	10.00	98.2 %	70-130	
			Blank	ug/L		ND	<0.5	
1,1-Dichloroethane	524.2	04/16/19:204404VRG (SP 1904769-002)	MS	ug/L	10.00	103 %	25-173	
			MSD	ug/L	10.00	117 %	25-173	
			MSRPD	ug/L	10.00	12.1%	≤29	
			CCV	ug/L	10.00	110 %	70-130	
1,1-Dichloroethylene	524.2	04/16/19:205821VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	107 %	15-161	
			MSD	ug/L	10.00	122 %	15-161	
			MSRPD	ug/L	10.00	12.8%	≤36	
1,1-Dichloropropene	524.2	04/16/19:204404VRG (SP 1904769-002)	CCV	ug/L	10.00	101 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	0-171	
			MSD	ug/L	10.00	144 %	0-171	
1,2,3-Trichlorobenzene	524.2	04/16/19:205821VRG	MSRPD	ug/L	10.00	13.6%	≤31	
			CCV	ug/L	10.00	111 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	14-181	
1,2,4-Trichlorobenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	MSD	ug/L	10.00	136 %	14-181	
			MSRPD	ug/L	10.00	16.2%	≤34	
			CCV	ug/L	10.00	119 %	70-130	
			Blank	ug/L		ND	<0.5	
1,2,4-Trimethylbenzene	524.2	04/16/19:205821VRG	MS	ug/L	10.00	117 %	10-180	
			MSD	ug/L	10.00	137 %	10-180	
			MSRPD	ug/L	10.00	15.9%	≤32	
			CCV	ug/L	10.00	119 %	70-130	
1,2-Dichlorobenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	2-192	
			MSD	ug/L	10.00	124 %	2-192	
			MSRPD	ug/L	10.00	7.5%	≤39	
1,2-Dichlorobenzene	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	111 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	13-191	
			MSD	ug/L	10.00	135 %	13-191	
1,2-Dichlorobenzene	524.2	04/16/19:205821VRG	MSRPD	ug/L	10.00	11.3%	≤35	
			CCV	ug/L	10.00	118 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	13-191	

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	105 %	70-130	
			MS	ug/L	10.00	114 %	70-130	
			MSD	ug/L	10.00	117 %	70-130	
			MSRPD	ug/L	10.00	2.6%	≤20	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	115 %	70-130	
1,2-Dichloroethane (EDC)	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	99.2 %	18-162	
			MSD	ug/L	10.00	110 %	18-162	
			MSRPD	ug/L	10.00	10.2%	≤33	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	101 %	70-130	
1,2-Dichloropropane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	108 %	10-163	
			MSD	ug/L	10.00	117 %	10-163	
			MSRPD	ug/L	10.00	8.4%	≤34	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	105 %	70-130	
1,3,5-Trimethylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	115 %	0-210	
			MSD	ug/L	10.00	126 %	0-210	
			MSRPD	ug/L	10.00	9.5%	≤40	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	110 %	70-130	
1,3-Dichlorobenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	121 %	17-182	
			MSD	ug/L	10.00	136 %	17-182	
			MSRPD	ug/L	10.00	12.0%	≤39	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	117 %	70-130	
1,3-Dichloropropane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	107 %	0-178	
			MSD	ug/L	10.00	113 %	0-178	
			MSRPD	ug/L	10.00	5.7%	≤29	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	107 %	70-130	
1,4-Dichlorobenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	122 %	19-183	
			MSD	ug/L	10.00	137 %	19-183	
			MSRPD	ug/L	10.00	11.1%	≤37	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	120 %	70-130	
2,2-Dichloropropane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	123 %	0-288	
			MSD	ug/L	10.00	142 %	0-288	
			MSRPD	ug/L	10.00	14.6%	≤33	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	110 %	70-130	
2-Chlorotoluene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	125 %	17-180	
			MSD	ug/L	10.00	141 %	17-180	
			MSRPD	ug/L	10.00	12.5%	≤38	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	119 %	70-130	
4-Bromofluorobenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	106 %	70-130	
			MS	ug/L	10.00	114 %	70-130	
			MSD	ug/L	10.00	111 %	70-130	
			MSRPD	ug/L	10.00	2.3%	≤30	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	113 %	70-130	
4-Bromofluorobenzene (BFB)	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	113 %	70-130	
4-Chlorotoluene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	126 %	11-177	
			MSD	ug/L	10.00	140 %	11-177	
			MSRPD	ug/L	10.00	10.7%	≤41	

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4-Chlorotoluene	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	120 %	70-130	
Benzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	12-158	
			MSD	ug/L	10.00	132 %	12-158	
			MSRPD	ug/L	10.00	13.3%	≤36	
Bromobenzene	524.2	04/16/19:205821VRG (SP 1904769-002)	CCV	ug/L	10.00	111 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	23-177	
			MSD	ug/L	10.00	128 %	23-177	
Bromochloromethane	524.2	04/16/19:205821VRG (SP 1904769-002)	MSRPD	ug/L	10.00	10.5%	≤40	
			CCV	ug/L	10.00	115 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	106 %	4-186	
Bromomethane (Methyl Bromide)	524.2	04/16/19:204404VRG (SP 1904769-002)	MSD	ug/L	10.00	119 %	4-186	
			MSRPD	ug/L	10.00	11.2%	≤30	
			CCV	ug/L	10.00	106 %	70-130	
			Blank	ug/L		ND	<0.5	
Carbon Tetrachloride	524.2	04/16/19:204404VRG (SP 1904769-002)	MS	ug/L	10.00	160 %	0-196	
			MSD	ug/L	10.00	162 %	0-196	
			MSRPD	ug/L	10.00	1.8%	≤40	
			CCV	ug/L	10.00	114 %	70-130	
Chlorobenzene	524.2	04/16/19:205821VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	142 %	5-175	
			MSD	ug/L	10.00	158 %	5-175	
			MSRPD	ug/L	10.00	11.1%	≤32	
Chloroethane (Ethyl Chloride)	524.2	04/16/19:204404VRG (SP 1904769-002)	CCV	ug/L	10.00	122 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	14-175	
			MSD	ug/L	10.00	131 %	14-175	
Chloromethane(Methyl Chloride)	524.2	04/16/19:205821VRG (SP 1904769-002)	MSRPD	ug/L	10.00	9.2%	≤35	
			CCV	ug/L	10.00	116 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	166 %	0-184	
cis-1,2-Dichloroethylene	524.2	04/16/19:204404VRG (SP 1904769-002)	MSD	ug/L	10.00	164 %	0-184	
			MSRPD	ug/L	10.00	0.7%	≤40	
			CCV	ug/L	10.00	114 %	70-130	
			Blank	ug/L		ND	<0.5	
cis-1,3-Dichloropropene	524.2	04/16/19:205821VRG (SP 1904769-002)	MS	ug/L	10.00	139 %	0-224	
			MSD	ug/L	10.00	158 %	0-224	
			MSRPD	ug/L	10.00	12.6%	≤39	
			CCV	ug/L	10.00	97.0 %	70-130	
Dibromomethane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	16-172	
			MSD	ug/L	10.00	124 %	16-172	
			MSRPD	ug/L	10.00	10.4%	≤34	
	524.2	04/16/19:205821VRG (SP 1904769-002)	CCV	ug/L	10.00	104 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	115 %	5-158	
			MSD	ug/L	9.550	118 %	5-158	
	524.2	04/16/19:205821VRG (SP 1904769-002)	MSRPD	ug/L	10.00	2.6%	≤38	
			CCV	ug/L	9.550	123 %	70-130	
	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	11-168	
	524.2	04/16/19:204404VRG (SP 1904769-002)	MSD	ug/L	10.00	114 %	11-168	

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Dibromomethane	524.2	04/16/19:204404VRG	MSRPD	ug/L	10.00	12.1%	≤28	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	102 %	70-130	
Dichlorodifluoromethane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	152 %	0-334	
			MSD	ug/L	10.00	176 %	0-334	
			MSRPD	ug/L	10.00	14.5%	≤39	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	77.6 %	70-130	
Dichloromethane	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	20-157	
			MSD	ug/L	10.00	118 %	20-157	
			MSRPD	ug/L	10.00	14.9%	≤36	
Ethyl tert-Butyl Ether	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	111 %	11-165	
			MSD	ug/L	10.00	142 %	11-165	
			MSRPD	ug/L	10.00	3.1	≤3	435
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	111 %	70-130	
Ethylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	9-174	
			MSD	ug/L	10.00	133 %	9-174	
			MSRPD	ug/L	10.00	8.4%	≤37	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	113 %	70-130	
Freon-11	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	231 %	0-232	
			MSD	ug/L	10.00	232 %	0-232	
			MSRPD	ug/L	10.00	0.7%	≤35	
Hexachlorobutadiene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	163 %	14-200	
			MSD	ug/L	10.00	183 %	14-200	
			MSRPD	ug/L	10.00	11.6%	≤40	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	149 %	70-130	360
Isopropyl Ether	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	109 %	8-165	
			MSD	ug/L	10.00	122 %	8-165	
			MSRPD	ug/L	10.00	1.3	≤3	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	109 %	70-130	
Isopropylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	4-159	
			MSD	ug/L	10.00	139 %	4-159	
			MSRPD	ug/L	10.00	9.9%	≤37	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	115 %	70-130	
Methyl tert-Butyl Ether	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	105 %	70-130	
Methyl tert-Butyl Ether (MTBE)	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	104 %	11-168	
			MSD	ug/L	10.00	129 %	11-168	
			MSRPD	ug/L	10.00	21.5%	≤29	
Methylene Chloride	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	106 %	70-130	
Naphthalene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	94.5 %	0-189	
			MSD	ug/L	10.00	112 %	0-189	
			MSRPD	ug/L	10.00	17.0%	≤32	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	102 %	70-130	
n-Butylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	4-186	
			MSD	ug/L	10.00	145 %	4-186	

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
n-Butylbenzene	524.2	04/16/19:204404VRG	MSRPD	ug/L	10.00	10.7%	≤37	
	524.2	04/16/19:205821VRG	CCV	ug/L	10.00	120 %	70-130	
n-Propylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	0-174	
			MSD	ug/L	10.00	144 %	0-174	
			MSRPD	ug/L	10.00	10.6%	≤37	
p-Isopropyltoluene	524.2	04/16/19:205821VRG (SP 1904769-002)	CCV	ug/L	10.00	118 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	0-193	
			MSD	ug/L	10.00	133 %	0-193	
sec-Butylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	MSRPD	ug/L	10.00	10.3%	≤40	
			CCV	ug/L	10.00	111 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	0-177	
Styrene	524.2	04/16/19:205821VRG (SP 1904769-002)	MSD	ug/L	10.00	153 %	0-177	
			MSRPD	ug/L	10.00	11.0%	≤40	
			CCV	ug/L	10.00	124 %	70-130	
			Blank	ug/L		ND	<0.5	
TAME	524.2	04/16/19:204404VRG (SP 1904769-002)	MS	ug/L	10.00	103 %	0-198	
			MSD	ug/L	10.00	95.7 %	0-198	
			MSRPD	ug/L	10.00	7.5%	≤37	
			CCV	ug/L	10.00	104 %	70-130	
tert-Butanol	524.2	04/16/19:205821VRG (SP 1904769-002)	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	104 %	15-162	
			MSD	ug/L	10.00	131 %	15-162	
			MSRPD	ug/L	10.00	2.7	≤3	
tert-Butylbenzene	524.2	04/16/19:204404VRG (SP 1904769-002)	CCV	ug/L	10.00	107 %	70-130	
			Blank	ug/L		ND	<2	
			MS	ug/L	50.00	119 %	0-198	
			MSD	ug/L	50.00	120 %	0-198	
Tetrachloroethylene (PCE)	524.2	04/16/19:205821VRG (SP 1904769-002)	MSRPD	ug/L	10.00	1.1%	≤39	
			CCV	ug/L	50.00	116 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	9-179	
Toluene	524.2	04/16/19:204404VRG (SP 1904769-002)	MSD	ug/L	10.00	157 %	9-179	
			MSRPD	ug/L	10.00	11.9%	≤38	
			CCV	ug/L	10.00	129 %	30-130	
			Blank	ug/L		ND	<0.5	
trans-1,2-Dichloroethylene	524.2	04/16/19:205821VRG (SP 1904769-002)	MS	ug/L	10.00	136 %	14-186	
			MSD	ug/L	10.00	147 %	14-186	
			MSRPD	ug/L	10.00	8.2%	≤33	
			CCV	ug/L	10.00	121 %	70-130	
trans-1,3-Dichloropropene	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	3-174	
			MSD	ug/L	10.00	133 %	3-174	
			MSRPD	ug/L	10.00	8.8%	≤37	
trans-1,3-Dichloropropene	524.2	04/16/19:205821VRG (SP 1904769-002)	CCV	ug/L	10.00	113 %	30-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	5-165	
			MSD	ug/L	10.00	133 %	5-165	
trans-1,3-Dichloropropene	524.2	04/16/19:204404VRG	MSRPD	ug/L	10.00	13.8%	≤40	
			CCV	ug/L	10.00	105 %	70-130	
trans-1,3-Dichloropropene	524.2	04/16/19:204404VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	95.6 %	0-169	

April 22, 2019
Paradise Irrigation District

Lab ID : CH 1972622
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic trans-1,3-Dichloropropene	524.2	(SP 1904769-002)	MSD	ug/L	9.200	96.8 %	0-169	
			MSRPD	ug/L	10.00	1.3%	≤31	
Trichloroethylene (TCE)	524.2	04/16/19:205821VRG	CCV	ug/L	9.200	97.3 %	70-130	
	524.2	04/16/19:204404VRG (SP 1904769-002)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	11-167	
			MSD	ug/L	10.00	140 %	11-167	
Trichlorofluoromethane F-11	524.2	04/16/19:205821VRG	MSRPD	ug/L	10.00	12.6%	≤35	
			CCV	ug/L	10.00	114 %	70-130	
			CCV	ug/L	10.00	129 %	70-130	
	Trichlorotrifluoroethane F-113	524.2	04/16/19:205821VRG	Blank	ug/L		ND	<0.5
MS				ug/L	10.00	126 %	0-183	
MSD				ug/L	10.00	147 %	0-183	
Vinyl Chloride		524.2	04/16/19:204404VRG (SP 1904769-002)	MSRPD	ug/L	10.00	15.0%	≤33
	CCV			ug/L	10.00	106 %	70-130	
	CCV			ug/L	10.00	112 %	30-130	
	Xylenes m,p	524.2	04/16/19:205821VRG	Blank	ug/L		ND	<0.5
MS				ug/L	20.00	129 %	0-193	
MSD				ug/L	20.00	138 %	0-193	
Xylenes o		524.2	04/16/19:204404VRG (SP 1904769-002)	MSRPD	ug/L	10.00	7.2%	≤37
	CCV			ug/L	20.00	120 %	70-130	
	CCV			ug/L	10.00	118 %	70-130	
	Definition							
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.								
ND : Non-detect - Result was below the DQO listed for the analyte.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								
Explanation								
360 : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.								
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								