

March 14, 2019

Paradise Irrigation District
 6332 Clark Road
 Paradise, CA 95969

Lab ID : CH 1970692
 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	01/24/2019	01/24/2019	CH 1970692-000	DW
1924 York Towne	01/24/2019	01/24/2019	CH 1970692-001	DW
Hyd Pentz/Feather River	01/24/2019	01/24/2019	CH 1970692-002	DW
Hyd York Towne	01/24/2019	01/24/2019	CH 1970692-003	DW
1969 York Towne	01/24/2019	01/24/2019	CH 1970692-004	DW
1906 York Towne	01/24/2019	01/24/2019	CH 1970692-005	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	01/28/2019:201370 All analysis quality controls are within established criteria, except: The following note applies to 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, n-Butylbenzene: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	02/01/2019:201635 All analysis quality controls are within established criteria.
	01/28/2019:201023 All preparation quality controls are within established criteria.

March 14, 2019
Paradise Irrigation District

Lab ID : CH 1970692
Customer : 7-5855

Discussion of Analytical Results: -

CH 1970692-001 1924 York Towne

Amended to report tert-butanol (t-butyl alcohol) by EPA 524.2.

CH 1970692-003 Hyd York Towne

Amended to report tert-butanol (t-butyl alcohol) by EPA 524.2.

CH 1970692-004 1969 York Towne

Amended to report tert-butanol (t-butyl alcohol) by EPA 524.2.

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 **David Terz, B.A., M.B.A.**



Digitally signed by David Terz, B.A., M.B.A.
Title: QA Director
Date: 2019-03-14

March 14, 2019

Lab ID : CH 1970692-000

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : January 24, 2019-00:00

Sampled By : Laura Capra

Received On : January 24, 2019-12:09

Matrix : Drinking Water

Description : Travel Blank

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 [‡]	96.0	70-130	%	1	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene-d4 [‡]	104	70-130	%		524.2	01/28/19:201023	524.2	01/28/19:201370
Benzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromochloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromomethane	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
n-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
sec-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Carbon Tetrachloride	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butanol	ND	2	ug/L	70	524.2	01/28/19:201023	524.2	01/28/19:201370
Chlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2-Chlorotoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	01/28/19:201023	524.2	01/28/19:201370
Dibromomethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370

March 14, 2019
Description : Travel Blank

Lab ID : CH 1970692-000
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	01/28/19:201023	524.2	01/28/19:201370
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Hexachlorobutadiene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Isopropylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
p-Isopropyltoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	01/28/19:201023	524.2	01/28/19:201370
Naphthalene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
n-Propylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Styrene	ND	0.5	ug/L	100	524.2	01/28/19:201023	524.2	01/28/19:201370
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	01/28/19:201023	524.2	01/28/19:201370
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Toluene	ND	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	1200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes (Total)	ND	--	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes m,p	ND	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes o	ND	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370

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.

March 14, 2019

Lab ID : CH 1970692-001

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : January 24, 2019-10:15

Sampled By : Laura Capra

Received On : January 24, 2019-12:09

Matrix : Drinking Water

Description : 1924 York Towne

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 [‡]	96.0	70-130	%	1	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene-d4 [‡]	106	70-130	%		524.2	01/28/19:201023	524.2	01/28/19:201370
Benzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromochloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromomethane	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
n-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
sec-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Carbon Tetrachloride	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butanol	ND	2	ug/L	70	524.2	01/28/19:201023	524.2	01/28/19:201370
Chlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2-Chlorotoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	01/28/19:201023	524.2	01/28/19:201370
Dibromomethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370

March 14, 2019
Description : 1924 York Towne

Lab ID : CH 1970692-001
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	01/28/19:201023	524.2	01/28/19:201370
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Hexachlorobutadiene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Isopropylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
p-Isopropyltoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	01/28/19:201023	524.2	01/28/19:201370
Naphthalene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
n-Propylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Styrene	ND	0.5	ug/L	100	524.2	01/28/19:201023	524.2	01/28/19:201370
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	01/28/19:201023	524.2	01/28/19:201370
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Toluene	ND	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes (Total)	ND	--	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes m,p	ND	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes o	ND	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370

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.

March 14, 2019

Lab ID : CH 1970692-002

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : January 24, 2019-10:45

Sampled By : Laura Capra

Received On : January 24, 2019-12:09

Matrix : Drinking Water

Description : Hyd Pentz/Feather River

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 [‡]	94.8	70-130	%	1	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene-d4 [‡]	103	70-130	%		524.2	01/28/19:201023	524.2	01/28/19:201370
Benzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370

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.

March 14, 2019

Lab ID : CH 1970692-003

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : January 24, 2019-09:55

Sampled By : Laura Capra

Received On : January 24, 2019-12:09

Matrix : Drinking Water

Description : Hyd York Towne

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 [‡]	97.8	70-130	%	1	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene-d4 [‡]	107	70-130	%		524.2	01/28/19:201023	524.2	01/28/19:201370
Benzene	2.6	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromochloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromomethane	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
n-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
sec-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Carbon Tetrachloride	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butanol	ND	2	ug/L	70	524.2	01/28/19:201023	524.2	01/28/19:201370
Chlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2-Chlorotoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	01/28/19:201023	524.2	01/28/19:201370
Dibromomethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370

March 14, 2019
Description : Hyd York Towne

Lab ID : CH 1970692-003
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	01/28/19:201023	524.2	01/28/19:201370
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Hexachlorobutadiene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Isopropylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
p-Isopropyltoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	01/28/19:201023	524.2	01/28/19:201370
Naphthalene	0.6	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
n-Propylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Styrene	ND	0.5	ug/L	100	524.2	01/28/19:201023	524.2	01/28/19:201370
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	01/28/19:201023	524.2	01/28/19:201370
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Toluene	0.9	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	1200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes (Total)	ND	--	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes m,p	ND	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes o	ND	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370

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.

March 14, 2019

Lab ID : CH 1970692-004

Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road

Paradise, CA 95969

Sampled On : January 24, 2019-09:45

Sampled By : Laura Capra

Received On : January 24, 2019-12:09

Matrix : Drinking Water

Description : 1969 York Towne

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 [‡]	117	70-130	%	1	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene-d4 [‡]	115	70-130	%		524.2	01/28/19:201023	524.2	01/28/19:201370
Benzene	118	5*	ug/L		524.2	01/28/19:201023	524.2	02/01/19:201635
Bromobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromochloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Bromomethane	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
n-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
sec-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Carbon Tetrachloride	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
tert-Butanol	ND	2	ug/L	70	524.2	01/28/19:201023	524.2	01/28/19:201370
Chlorobenzene	2.6	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Chloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2-Chlorotoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
4-Chlorotoluene	ND	0.5	ug/L	600	524.2	01/28/19:201023	524.2	01/28/19:201370
Dibromomethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichlorobenzene	1.0	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichlorodifluoromethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Dichloromethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
2,2-Dichloropropane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1-Dichloropropene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370

March 14, 2019
Description : 1969 York Towne

Lab ID : CH 1970692-004
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	5.8	0.5	ug/L	300	524.2	01/28/19:201023	524.2	01/28/19:201370
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Hexachlorobutadiene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Isopropylbenzene	0.6	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
p-Isopropyltoluene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	01/28/19:201023	524.2	01/28/19:201370
Naphthalene	ND	5*	ug/L		524.2	01/28/19:201023	524.2	02/01/19:201635
n-Propylbenzene	0.9	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Styrene	21.8	0.5	ug/L	100	524.2	01/28/19:201023	524.2	01/28/19:201370
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	01/28/19:201023	524.2	01/28/19:201370
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Toluene	34.8	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichloroethylene	ND	0.5	ug/L	5	524.2	01/28/19:201023	524.2	01/28/19:201370
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	01/28/19:201023	524.2	01/28/19:201370
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2,4-Trimethylbenzene	0.5	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes (Total)	7.0	--	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes m,p	4.2	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370
Xylenes o	2.8	0.5	ug/L	1750	524.2	01/28/19:201023	524.2	01/28/19:201370

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.

March 14, 2019

Lab ID : CH 1970692-005
Customer ID : 7-5855

Paradise Irrigation District

6332 Clark Road
Paradise, CA 95969

Sampled On : January 24, 2019-10:30
Sampled By : Laura Capra
Received On : January 24, 2019-12:09
Matrix : Drinking Water

Description : 1906 York Towne
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 [‡]	94.4	70-130	%	1	524.2	01/28/19:201023	524.2	01/28/19:201370
1,2-Dichlorobenzene-d4 [‡]	104	70-130	%		524.2	01/28/19:201023	524.2	01/28/19:201370
Benzene	1.0	0.5	ug/L		524.2	01/28/19:201023	524.2	01/28/19:201370

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.

March 14, 2019
Paradise Irrigation District

Lab ID : CH 1970692
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	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	91.7 %	12-178	
			MSD	ug/L	10.00	97.3 %	12-178	
			MSRPD	ug/L	10.00	5.9%	≤39	
1,1,1-Trichloroethane(TCA)	524.2	01/28/19:201023VRG (SP 1900475-005)	CCV	ug/L	10.00	90.0 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	73.6 %	9-176	
			MSD	ug/L	10.00	76.4 %	9-176	
1,1,2-Tetrachloroethane	524.2	01/28/19:201023VRG (SP 1900475-005)	MSRPD	ug/L	10.00	3.8%	≤33	
			CCV	ug/L	10.00	85.5 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	93.5 %	23-180	
1,1,2-Trichloroethane	524.2	01/28/19:201023VRG (SP 1900475-005)	MSD	ug/L	10.00	98.0 %	23-180	
			MSRPD	ug/L	10.00	4.7%	≤34	
			CCV	ug/L	10.00	91.1 %	70-130	
			Blank	ug/L		ND	<0.5	
1,1-Dichloroethane	524.2	01/28/19:201023VRG (SP 1900475-005)	MS	ug/L	10.00	88.0 %	25-173	
			MSD	ug/L	10.00	94.5 %	25-173	
			MSRPD	ug/L	10.00	7.0%	≤29	
			CCV	ug/L	10.00	85.7 %	70-130	
1,1-Dichloroethylene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	78.5 %	15-161	
			MSD	ug/L	10.00	82.1 %	15-161	
			MSRPD	ug/L	10.00	4.5%	≤36	
1,1-Dichloropropene	524.2	01/28/19:201023VRG (SP 1900475-005)	CCV	ug/L	10.00	73.7 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	70.9 %	0-162	
			MSD	ug/L	10.00	72.1 %	0-162	
1,2,3-Trichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	MSRPD	ug/L	10.00	1.6%	≤33	
			CCV	ug/L	10.00	70.0 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	83.3 %	0-171	
1,2,4-Trichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	MSD	ug/L	10.00	93.4 %	0-171	
			MSRPD	ug/L	10.00	11.5%	≤31	
			CCV	ug/L	10.00	79.0 %	70-130	
			Blank	ug/L		ND	<0.5	
1,2-Dichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	MS	ug/L	10.00	153 %	14-181	
			MSD	ug/L	10.00	168 %	14-181	
			MSRPD	ug/L	10.00	9.6%	≤34	
			CCV	ug/L	10.00	163 %	70-130	360
1,2,4-Trimethylbenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	10-180	
			MSD	ug/L	10.00	147 %	10-180	
			MSRPD	ug/L	10.00	13.7%	≤32	
1,2-Dichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	CCV	ug/L	10.00	146 %	70-130	360
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	2-192	
			MSD	ug/L	10.00	135 %	2-192	
1,2-Dichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	MSRPD	ug/L	10.00	6.0%	≤39	
			CCV	ug/L	10.00	120 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	13-191	
1,2-Dichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	MSD	ug/L	10.00	119 %	13-191	
			MSRPD	ug/L	10.00	6.3%	≤35	
			CCV	ug/L	10.00	109 %	70-130	
			Blank	ug/L		ND	<0.5	

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March 14, 2019
Paradise Irrigation District

Lab ID : CH 1970692
Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	100 %	70-130	
			MS	ug/L	10.00	122 %	70-130	
			MSD	ug/L	10.00	124 %	70-130	
			MSRPD	ug/L	10.00	1.0%	≤20	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	117 %	70-130	
1,2-Dichloroethane (EDC)	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	79.3 %	18-162	
			MSD	ug/L	10.00	83.5 %	18-162	
			MSRPD	ug/L	10.00	5.1%	≤33	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	77.6 %	70-130	
1,2-Dichloropropane	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	86.0 %	10-163	
			MSD	ug/L	10.00	90.7 %	10-163	
			MSRPD	ug/L	10.00	5.3%	≤34	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	83.2 %	70-130	
1,3,5-Trimethylbenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	129 %	0-210	
			MSD	ug/L	10.00	138 %	0-210	
			MSRPD	ug/L	10.00	7.0%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	122 %	70-130	
1,3-Dichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	98.0 %	17-182	
			MSD	ug/L	10.00	105 %	17-182	
			MSRPD	ug/L	10.00	7.2%	≤39	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	96.7 %	70-130	
1,3-Dichloropropane	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	96.4 %	0-178	
			MSD	ug/L	10.00	102 %	0-178	
			MSRPD	ug/L	10.00	5.5%	≤29	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	93.3 %	70-130	
1,4-Dichlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	118 %	19-183	
			MSD	ug/L	10.00	129 %	19-183	
			MSRPD	ug/L	10.00	8.8%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	114 %	70-130	
2,2-Dichloropropane	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	84.1 %	0-288	
			MSD	ug/L	10.00	86.1 %	0-288	
			MSRPD	ug/L	10.00	2.3%	≤33	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	88.4 %	70-130	
2-Chlorotoluene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	117 %	17-180	
			MSD	ug/L	10.00	125 %	17-180	
			MSRPD	ug/L	10.00	6.3%	≤38	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	111 %	70-130	
4-Bromofluorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	89.9 %	70-130	
			MS	ug/L	10.00	124 %	70-130	
			MSD	ug/L	10.00	124 %	70-130	
			MSRPD	ug/L	10.00	0.3%	≤30	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	118 %	70-130	
4-Bromofluorobenzene (BFB)	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	118 %	70-130	
4-Chlorotoluene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	116 %	11-177	
			MSD	ug/L	10.00	124 %	11-177	
			MSRPD	ug/L	10.00	6.7%	≤41	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4-Chlorotoluene	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	112 %	70-130	
Benzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.1 %	12-158	
			MSD	ug/L	10.00	94.1 %	12-158	
			MSRPD	ug/L	10.00	6.6%	≤36	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	82.1 %	70-130	
	524.2	02/01/19:201635VRG	CCV	ug/L	10.00	96.7 %	70-130	
Bromobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	109 %	23-177	
			MSD	ug/L	10.00	115 %	23-177	
			MSRPD	ug/L	10.00	5.7%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	105 %	70-130	
Bromochloromethane	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	78.5 %	4-186	
			MSD	ug/L	10.00	84.4 %	4-186	
			MSRPD	ug/L	10.00	7.3%	≤30	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	77.5 %	70-130	
Bromomethane (Methyl Bromide)	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	94.8 %	0-196	
			MSD	ug/L	10.00	105 %	0-196	
			MSRPD	ug/L	10.00	9.8%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	96.7 %	70-130	
Carbon Tetrachloride	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	80.9 %	5-175	
			MSD	ug/L	10.00	84.4 %	5-175	
			MSRPD	ug/L	10.00	4.2%	≤32	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	71.8 %	70-130	
Chlorobenzene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	107 %	14-175	
			MSD	ug/L	10.00	115 %	14-175	
			MSRPD	ug/L	10.00	7.0%	≤35	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	104 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	94.0 %	0-184	
			MSD	ug/L	10.00	107 %	0-184	
			MSRPD	ug/L	10.00	13.0%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	97.3 %	70-130	
Chloromethane(Methyl Chloride)	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	91.0 %	0-224	
			MSD	ug/L	10.00	106 %	0-224	
			MSRPD	ug/L	10.00	15.3%	≤39	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	98.4 %	70-130	
cis-1,2-Dichloroethylene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	81.2 %	16-172	
			MSD	ug/L	10.00	86.6 %	16-172	
			MSRPD	ug/L	10.00	6.4%	≤34	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	79.3 %	70-130	
cis-1,3-Dichloropropene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	116 %	5-158	
			MSD	ug/L	9.550	125 %	5-158	
			MSRPD	ug/L	10.00	7.8%	≤38	
	524.2	01/28/19:201370VRG	CCV	ug/L	9.550	119 %	70-130	
Dibromomethane	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	83.5 %	11-168	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Dibromomethane	524.2	(SP 1900475-005)	MSD	ug/L	10.00	90.6 %	11-168	
			MSRPD	ug/L	10.00	8.2%	≤28	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	82.5 %	70-130	
Dichlorodifluoromethane	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	70.3 %	0-334	
		(SP 1900475-005)	MSD	ug/L	10.00	77.8 %	0-334	
			MSRPD	ug/L	10.00	10.3%	≤39	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	80.0 %	70-130	
Dichloromethane	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.9 %	20-157	
		(SP 1900475-005)	MSD	ug/L	10.00	76.0 %	20-157	
			MSRPD	ug/L	10.00	5.5%	≤36	
Ethyl tert-Butyl Ether	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	70.4 %	11-165	
		(SP 1900475-005)	MSD	ug/L	10.00	70.2 %	11-165	
			MSRPD	ug/L	10.00	0.021	≤3	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	74.7 %	70-130	
Ethylbenzene	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	9-174	
		(SP 1900475-005)	MSD	ug/L	10.00	136 %	9-174	
			MSRPD	ug/L	10.00	7.5%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	120 %	70-130	
Freon-11	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	0-232	
		(SP 1900475-005)	MSD	ug/L	10.00	115 %	0-232	
			MSRPD	ug/L	10.00	11.4%	≤35	
Hexachlorobutadiene	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	14-200	
		(SP 1900475-005)	MSD	ug/L	10.00	122 %	14-200	
			MSRPD	ug/L	10.00	12.1%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	111 %	70-130	
Isopropyl Ether	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	84.8 %	8-165	
		(SP 1900475-005)	MSD	ug/L	10.00	89.9 %	8-165	
			MSRPD	ug/L	10.00	0.52	≤3	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	86.6 %	70-130	
Isopropylbenzene	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	4-159	
		(SP 1900475-005)	MSD	ug/L	10.00	136 %	4-159	
			MSRPD	ug/L	10.00	7.5%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	122 %	70-130	
Methyl tert-Butyl Ether	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	70.8 %	70-130	
Methyl tert-Butyl Ether (MTBE)	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	66.4 %	11-168	
		(SP 1900475-005)	MSD	ug/L	10.00	71.1 %	11-168	
			MSRPD	ug/L	10.00	6.8%	≤29	
Methylene Chloride	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	73.7 %	70-130	
Naphthalene	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	0-189	
		(SP 1900475-005)	MSD	ug/L	10.00	142 %	0-189	
			MSRPD	ug/L	10.00	11.8%	≤32	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	130 %	70-130	
	524.2	02/01/19:201635VRG	CCV	ug/L	10.00	82.8 %	70-130	
n-Butylbenzene	524.2	01/28/19:201023VRG	Blank	ug/L		ND	<0.5	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic n-Butylbenzene	524.2	(SP 1900475-005)	MS	ug/L	10.00	139 %	4-186	
			MSD	ug/L	10.00	156 %	4-186	
			MSRPD	ug/L	10.00	11.4%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	138 %	70-130	360
n-Propylbenzene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	107 %	0-174	
			MSD	ug/L	10.00	116 %	0-174	
			MSRPD	ug/L	10.00	8.3%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	102 %	70-130	
p-Isopropyltoluene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	128 %	0-193	
			MSD	ug/L	10.00	141 %	0-193	
			MSRPD	ug/L	10.00	9.5%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	126 %	70-130	
sec-Butylbenzene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	130 %	0-177	
			MSD	ug/L	10.00	141 %	0-177	
			MSRPD	ug/L	10.00	8.1%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	123 %	70-130	
Styrene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	119 %	0-198	
			MSD	ug/L	10.00	130 %	0-198	
			MSRPD	ug/L	10.00	8.8%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	116 %	70-130	
TAME	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<3	
			MS	ug/L	10.00	100 %	15-162	
			MSD	ug/L	10.00	106 %	15-162	
			MSRPD	ug/L	10.00	0.54	≤3	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	115 %	70-130	
tert-Butanol	524.2	(SP 1900475-005)	Blank	ug/L	50.00	ND	<2	
			MS	ug/L	50.00	79.0 %	0-198	
			MSD	ug/L	50.00	90.7 %	0-198	
			MSRPD	ug/L	10.00	13.8%	≤39	
	524.2	01/28/19:201370VRG	CCV	ug/L	50.00	93.7 %	70-130	
tert-Butylbenzene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	104 %	9-179	
			MSD	ug/L	10.00	111 %	9-179	
			MSRPD	ug/L	10.00	6.3%	≤38	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	99.7 %	30-130	
Tetrachloroethylene (PCE)	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	94.6 %	14-186	
			MSD	ug/L	10.00	102 %	14-186	
			MSRPD	ug/L	10.00	7.7%	≤33	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	87.4 %	70-130	
Toluene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	104 %	3-174	
			MSD	ug/L	10.00	110 %	3-174	
			MSRPD	ug/L	10.00	5.6%	≤37	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	95.1 %	30-130	
trans-1,2-Dichloroethylene	524.2	(SP 1900475-005)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	79.6 %	5-165	
			MSD	ug/L	10.00	85.6 %	5-165	
			MSRPD	ug/L	10.00	7.2%	≤40	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	76.2 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic trans-1,3-Dichloropropene	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	104 %	0-169	
			MSD	ug/L	9.200	114 %	0-169	
			MSRPD	ug/L	10.00	9.7%	≤31	
Trichloroethylene (TCE)	524.2	01/28/19:201370VRG (SP 1900475-005)	CCV	ug/L	9.200	109 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	90.3 %	11-167	
			MSD	ug/L	10.00	94.9 %	11-167	
Trichlorofluoromethane F-11	524.2	01/28/19:201370VRG	MSRPD	ug/L	10.00	5.0%	≤35	
			CCV	ug/L	10.00	83.2 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	70-130	
Trichlorotrifluoroethane F-113	524.2	01/28/19:201023VRG (SP 1900475-005)	CCV	ug/L	10.00	105 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	106 %	0-183	
			MSD	ug/L	10.00	118 %	0-183	
Vinyl Chloride	524.2	01/28/19:201370VRG (SP 1900475-005)	MSRPD	ug/L	10.00	10.3%	≤33	
			CCV	ug/L	10.00	81.3 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.8 %	0-208	
Xylenes m,p	524.2	01/28/19:201023VRG (SP 1900475-005)	MSD	ug/L	10.00	113 %	0-208	
			MSRPD	ug/L	10.00	16.4%	≤40	
			CCV	ug/L	10.00	96.4 %	30-130	
			Blank	ug/L		ND	<0.5	
Xylenes o	524.2	01/28/19:201370VRG	MS	ug/L	20.00	121 %	0-193	
			MSD	ug/L	20.00	128 %	0-193	
			MSRPD	ug/L	10.00	6.1%	≤37	
			CCV	ug/L	20.00	113 %	70-130	
	524.2	01/28/19:201023VRG (SP 1900475-005)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	0-188	
			MSD	ug/L	10.00	135 %	0-188	
			MSRPD	ug/L	10.00	5.5%	≤36	
	524.2	01/28/19:201370VRG	CCV	ug/L	10.00	123 %	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.					