March 14, 2019

Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969

Lab ID : CH 1971265
Customer : 7-5855

Laboratory Report

Introduction: This report package contains total of 16 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(8 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	02/15/2019	02/15/2019	CH 1971265-000	LBW
Blow Off York Towne	02/15/2019	02/15/2019	CH 1971265-001	DW
Hyd York Towne 1st Draw	02/15/2019	02/15/2019	CH 1971265-002	DW
Hyd York Towne 2nd	02/15/2019	02/15/2019	CH 1971265-003	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	02/20/2019:202569 All analysis quality controls are within established criteria, except: The following note applies to Trichlorofluoromethane F-11, Chloroethane (Ethyl Chloride), Chloromethane(Methyl Chloride), Ethyl tert-Butyl Ether, Isop: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	02/20/2019:201983 All preparation quality controls are within established criteria, except: The following note applies to Isopropyl Ether, Dichloromethane, Ethyl tert-Butyl Ether: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. 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.

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Discussion of Analytical Results: -

Amended Report - 03/14/2019 - 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

Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969

Description : Travel Blank
Project : Camp Fire

Lab ID : CH 1971265-000
Customer ID : 7-5855

Sampled On : February 15, 2019-00:00
Sampled By : Laura Capra
Received On : February 15, 2019-11:36
Matrix : Lab. Blank Water

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 524.2								
4-Bromofluorobenzene‡	101	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene-d4‡	97.8	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
Benzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromochloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
sec-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Carbon Tetrachloride	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butanol	ND	2	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
2-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
4-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dibromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,4-Dichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dichlorodifluoromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethylene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,2-Dichloroethylene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dichloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
2,2-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloropropene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropene (Total)	ND	--	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,3-Dichloropropene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,3-Dichloropropene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569

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March 14, 2019 Lab ID : CH 1971265-000
Description : Travel Blank 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	02/20/19:201983	524.2	02/20/19:202569
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Hexachlorobutadiene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Isopropylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
p-Isopropyltoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Naphthalene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Propylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Styrene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Tetrachloroethylene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Toluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1-Trichloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Trichloroethylene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Trichlorofluoromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Vinyl Chloride	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes (Total)	ND	--	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes m,p	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes o	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569

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

March 14, 2019

Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969

Lab ID : CH 1971265-001
Customer ID : 7-5855

Sampled On : February 15, 2019-10:50
Sampled By : Laura Capra
Received On : February 15, 2019-11:36
Matrix : Drinking Water

Description : Blow Off York Towne
Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 524.2								
4-Bromofluorobenzene‡	96.0	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene-d4‡	94.9	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
Benzene	3.1	0.5	ug/L	1	524.2	02/20/19:201983	524.2	02/20/19:202569
Bromobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromochloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
sec-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Carbon Tetrachloride	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butanol	ND	2	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chlorobenzene	ND	0.5	ug/L	70	524.2	02/20/19:201983	524.2	02/20/19:202569
Chloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
2-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
4-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dibromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene	ND	0.5	ug/L	600	524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,4-Dichlorobenzene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Dichlorodifluoromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloroethane	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethylene	ND	0.5	ug/L	6	524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,2-Dichloroethylene	ND	0.5	ug/L	6	524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloropropane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dichloromethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
2,2-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloropropene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropene (Total)	ND	--	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,3-Dichloropropene	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,3-Dichloropropene	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569

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March 14, 2019 Lab ID : CH 1971265-001
Description : Blow Off York Towne 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	1.2	0.5	ug/L	300	524.2	02/20/19:201983	524.2	02/20/19:202569
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Hexachlorobutadiene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Isopropylbenzene	1.1	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
p-Isopropyltoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	02/20/19:201983	524.2	02/20/19:202569
Naphthalene	1.6	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Propylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Styrene	1.1	0.5	ug/L	100	524.2	02/20/19:201983	524.2	02/20/19:202569
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	02/20/19:201983	524.2	02/20/19:202569
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Toluene	1.7	0.5	ug/L	150	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Trichloroethylene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes (Total)	2.8	--	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes m,p	1.8	0.5	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes o	1.0	0.5	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569

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 1971265-002
Customer ID : 7-5855

Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969

Sampled On : February 15, 2019-10:30
Sampled By : Laura Capra
Received On : February 15, 2019-11:36
Matrix : Drinking Water

Description : Hyd York Towne 1st Draw
Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 524.2								
4-Bromofluorobenzene‡	102	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene-d4‡	93.4	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
Benzene	8.9	0.5	ug/L	1	524.2	02/20/19:201983	524.2	02/20/19:202569
Bromobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromochloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
sec-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Carbon Tetrachloride	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butanol	ND	2	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chlorobenzene	ND	0.5	ug/L	70	524.2	02/20/19:201983	524.2	02/20/19:202569
Chloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
2-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
4-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dibromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene	ND	0.5	ug/L	600	524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,4-Dichlorobenzene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Dichlorodifluoromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloroethane	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethylene	ND	0.5	ug/L	6	524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,2-Dichloroethylene	ND	0.5	ug/L	6	524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloropropane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dichloromethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
2,2-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloropropene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropene (Total)	ND	--	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,3-Dichloropropene	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,3-Dichloropropene	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569

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CA ELAP Certification No. 2810

March 14, 2019 Lab ID : CH 1971265-002
Description : Hyd York Towne 1st Draw 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	1.6	0.5	ug/L	300	524.2	02/20/19:201983	524.2	02/20/19:202569
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Hexachlorobutadiene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Isopropylbenzene	1.2	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
p-Isopropyltoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	02/20/19:201983	524.2	02/20/19:202569
Naphthalene	1.5	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Propylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Styrene	1.2	0.5	ug/L	100	524.2	02/20/19:201983	524.2	02/20/19:202569
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	02/20/19:201983	524.2	02/20/19:202569
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Toluene	1.8	0.5	ug/L	150	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Trichloroethylene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes (Total)	3.0	--	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes m,p	1.9	0.5	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes o	1.1	0.5	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569

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
6332 Clark Road
Paradise, CA 95969

Lab ID : CH 1971265-003
Customer ID : 7-5855

Sampled On : February 15, 2019-10:35
Sampled By : Laura Capra
Received On : February 15, 2019-11:36
Matrix : Drinking Water

Description : Hyd York Towne 2nd
Project : Camp Fire

Sample Result - Organic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 524.2								
4-Bromofluorobenzene‡	95.3	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene-d4‡	96.1	70-130	%		524.2	02/20/19:201983	524.2	02/20/19:202569
Benzene	6.2	0.5	ug/L	1	524.2	02/20/19:201983	524.2	02/20/19:202569
Bromobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromochloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Bromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
sec-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Carbon Tetrachloride	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
tert-Butanol	ND	2	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chlorobenzene	ND	0.5	ug/L	70	524.2	02/20/19:201983	524.2	02/20/19:202569
Chloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Chloromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
2-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
4-Chlorotoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dibromomethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichlorobenzene	ND	0.5	ug/L	600	524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,4-Dichlorobenzene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Dichlorodifluoromethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloroethane	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloroethylene	ND	0.5	ug/L	6	524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,2-Dichloroethylene	ND	0.5	ug/L	6	524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,2-Dichloroethylene	ND	0.5	ug/L	10	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2-Dichloropropane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Dichloromethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
2,2-Dichloropropane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1-Dichloropropene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3-Dichloropropene (Total)	ND	--	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
cis-1,3-Dichloropropene	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
trans-1,3-Dichloropropene	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
Di-isopropyl ether (DIPE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569

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CA ELAP Certification No. 2810

March 14, 2019 Lab ID : CH 1971265-003
Description : Hyd York Towne 2nd 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	1.3	0.5	ug/L	300	524.2	02/20/19:201983	524.2	02/20/19:202569
Ethyl tert-Butyl Ether (ETBE)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Hexachlorobutadiene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Isopropylbenzene	1.1	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
p-Isopropyltoluene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Methyl tert-Butyl Ether (MTBE)	ND	1	ug/L	13	524.2	02/20/19:201983	524.2	02/20/19:202569
Naphthalene	1.6	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
n-Propylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Styrene	ND	0.5	ug/L	100	524.2	02/20/19:201983	524.2	02/20/19:202569
Tert-amyl-methyl Ether (TAME)	ND	3	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	1	524.2	02/20/19:201983	524.2	02/20/19:202569
Tetrachloroethylene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Toluene	0.9	0.5	ug/L	150	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,3-Trichlorobenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trichlorobenzene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,1-Trichloroethane	ND	0.5	ug/L	200	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichloroethane	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Trichloroethylene	ND	0.5	ug/L	5	524.2	02/20/19:201983	524.2	02/20/19:202569
Trichlorofluoromethane	ND	0.5	ug/L	150	524.2	02/20/19:201983	524.2	02/20/19:202569
1,1,2-Trichlorotrifluoroethane	ND	0.5	ug/L	1200	524.2	02/20/19:201983	524.2	02/20/19:202569
1,2,4-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
1,3,5-Trimethylbenzene	ND	0.5	ug/L		524.2	02/20/19:201983	524.2	02/20/19:202569
Vinyl Chloride	ND	0.5	ug/L	0.5	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes (Total)	2.8	--	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes m,p	1.8	0.5	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569
Xylenes o	1.0	0.5	ug/L	1750	524.2	02/20/19:201983	524.2	02/20/19:202569

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 1971265
Paradise Irrigation District 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	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	12-178	
		(SP 1901860-002)	MSD	ug/L	10.00	109 %	12-178	
			MSRPD	ug/L	10.00	5.0%	≤39	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	104 %	70-130	
1,1,1-Trichloroethane(TCA)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	9-176	
		(SP 1901860-002)	MSD	ug/L	10.00	125 %	9-176	
			MSRPD	ug/L	10.00	3.3%	≤33	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	106 %	70-130	
1,1,2,2-Tetrachloroethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.7 %	23-180	
		(SP 1901860-002)	MSD	ug/L	10.00	95.2 %	23-180	
			MSRPD	ug/L	10.00	2.6%	≤34	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	92.4 %	70-130	
1,1,2-Trichloroethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	86.5 %	25-173	
		(SP 1901860-002)	MSD	ug/L	10.00	93.5 %	25-173	
			MSRPD	ug/L	10.00	7.9%	≤29	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	89.8 %	70-130	
1,1-Dichloroethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	109 %	15-161	
		(SP 1901860-002)	MSD	ug/L	10.00	111 %	15-161	
			MSRPD	ug/L	10.00	1.7%	≤36	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	104 %	70-130	
1,1-Dichloroethylene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	89.9 %	0-162	
		(SP 1901860-002)	MSD	ug/L	10.00	91.0 %	0-162	
			MSRPD	ug/L	10.00	1.2%	≤33	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	74.8 %	70-130	
1,1-Dichloropropene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	0-171	
		(SP 1901860-002)	MSD	ug/L	10.00	121 %	0-171	
			MSRPD	ug/L	10.00	4.4%	≤31	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	95.6 %	70-130	
1,2,3-Trichlorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	14-181	
		(SP 1901860-002)	MSD	ug/L	10.00	115 %	14-181	
			MSRPD	ug/L	10.00	0.5%	≤34	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	120 %	70-130	
1,2,4-Trichlorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	10-180	
		(SP 1901860-002)	MSD	ug/L	10.00	117 %	10-180	
			MSRPD	ug/L	10.00	1.9%	≤32	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	119 %	70-130	
1,2,4-Trimethylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	2-192	
		(SP 1901860-002)	MSD	ug/L	10.00	107 %	2-192	
			MSRPD	ug/L	10.00	4.1%	≤39	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	100 %	70-130	
1,2-Dichlorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	13-191	
		(SP 1901860-002)	MSD	ug/L	10.00	110 %	13-191	
			MSRPD	ug/L	10.00	4.6%	≤35	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	106 %	70-130	

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March 14, 2019 Lab ID : CH 1971265
Paradise Irrigation District Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene-d4	524.2	02/20/19:201983VRG	Blank	ug/L	10.00	97.6 %	70-130	
			MS	ug/L	10.00	110 %	70-130	
		(SP 1901860-002)	MSD	ug/L	10.00	113 %	70-130	
			MSRPD	ug/L	10.00	2.7%	≤20	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	112 %	70-130	
1,2-Dichloroethane (EDC)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	18-162	
		(SP 1901860-002)	MSD	ug/L	10.00	113 %	18-162	
			MSRPD	ug/L	10.00	4.8%	≤33	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	114 %	70-130	
1,2-Dichloropropane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	10-163	
		(SP 1901860-002)	MSD	ug/L	10.00	106 %	10-163	
			MSRPD	ug/L	10.00	5.6%	≤34	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	101 %	70-130	
1,3,5-Trimethylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	0-210	
		(SP 1901860-002)	MSD	ug/L	10.00	109 %	0-210	
			MSRPD	ug/L	10.00	5.4%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	96.6 %	70-130	
1,3-Dichlorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	17-182	
		(SP 1901860-002)	MSD	ug/L	10.00	114 %	17-182	
			MSRPD	ug/L	10.00	8.4%	≤39	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	107 %	70-130	
1,3-Dichloropropane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.5 %	0-178	
		(SP 1901860-002)	MSD	ug/L	10.00	105 %	0-178	
			MSRPD	ug/L	10.00	9.9%	≤29	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	104 %	70-130	
1,4-Dichlorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	19-183	
		(SP 1901860-002)	MSD	ug/L	10.00	117 %	19-183	
			MSRPD	ug/L	10.00	10.8%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	111 %	70-130	
2,2-Dichloropropane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	0-288	
		(SP 1901860-002)	MSD	ug/L	10.00	141 %	0-288	
			MSRPD	ug/L	10.00	9.1%	≤33	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	118 %	70-130	
2-Chlorotoluene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	17-180	
		(SP 1901860-002)	MSD	ug/L	10.00	107 %	17-180	
			MSRPD	ug/L	10.00	4.0%	≤38	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	99.0 %	70-130	
4-Bromofluorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L	10.00	98.1 %	70-130	
			MS	ug/L	10.00	118 %	70-130	
		(SP 1901860-002)	MSD	ug/L	10.00	121 %	70-130	
			MSRPD	ug/L	10.00	2.5%	≤30	
4-Bromofluorobenzene (BFB)	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	119 %	70-130	
4-Chlorotoluene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.3 %	11-177	
		(SP 1901860-002)	MSD	ug/L	10.00	107 %	11-177	
			MSRPD	ug/L	10.00	7.0%	≤41	

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Paradise Irrigation District Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4-Chlorotoluene	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	95.5 %	70-130	
Benzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	12-158	
		(SP 1901860-002)	MSD	ug/L	10.00	105 %	12-158	
			MSRPD	ug/L	10.00	2.6%	≤36	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	96.6 %	70-130	
Bromobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.8 %	23-177	
		(SP 1901860-002)	MSD	ug/L	10.00	105 %	23-177	
			MSRPD	ug/L	10.00	9.1%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	95.7 %	70-130	
Bromochloromethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	94.4 %	4-186	
		(SP 1901860-002)	MSD	ug/L	10.00	96.7 %	4-186	
			MSRPD	ug/L	10.00	2.4%	≤30	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	97.6 %	70-130	
Bromomethane (Methyl Bromide)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	0-196	
		(SP 1901860-002)	MSD	ug/L	10.00	114 %	0-196	
			MSRPD	ug/L	10.00	0.08%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	128 %	70-130	
Carbon Tetrachloride	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	5-175	
		(SP 1901860-002)	MSD	ug/L	10.00	122 %	5-175	
			MSRPD	ug/L	10.00	5.0%	≤32	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	99.4 %	70-130	
Chlorobenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	14-175	
		(SP 1901860-002)	MSD	ug/L	10.00	109 %	14-175	
			MSRPD	ug/L	10.00	7.6%	≤35	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	100 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	0-184	
		(SP 1901860-002)	MSD	ug/L	10.00	130 %	0-184	
			MSRPD	ug/L	10.00	0.7%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	147 %	70-130	360
Chloromethane(Methyl Chloride)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	0-224	
		(SP 1901860-002)	MSD	ug/L	10.00	129 %	0-224	
			MSRPD	ug/L	10.00	9.5%	≤39	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	135 %	70-130	360
cis-1,2-Dichloroethylene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	16-172	
		(SP 1901860-002)	MSD	ug/L	10.00	110 %	16-172	
			MSRPD	ug/L	10.00	4.2%	≤34	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	102 %	70-130	
cis-1,3-Dichloropropene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	90.7 %	5-158	
		(SP 1901860-002)	MSD	ug/L	9.550	98.5 %	5-158	
			MSRPD	ug/L	10.00	8.2%	≤38	
	524.2	02/20/19:202569VRG	CCV	ug/L	9.550	104 %	70-130	
Dibromomethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	87.9 %	11-168	
		(SP 1901860-002)	MSD	ug/L	10.00	97.1 %	11-168	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Dibromomethane	524.2	02/20/19:201983VRG	MSRPD	ug/L	10.00	10%	≤28	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	94.8 %	70-130	
Dichlorodifluoromethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	73.6 %	0-334	
		(SP 1901860-002)	MSD	ug/L	10.00	75.5 %	0-334	
			MSRPD	ug/L	10.00	2.5%	≤39	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	87.6 %	70-130	
Dichloromethane	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	-2.9 %	20-157	435
		(SP 1901860-002)	MSD	ug/L	10.00	-5.2 %	20-157	435
			MSRPD	ug/L	10.00	2.5%	≤36	
Ethyl tert-Butyl Ether	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	160 %	11-165	
		(SP 1901860-002)	MSD	ug/L	10.00	170 %	11-165	435
			MSRPD	ug/L	10.00	6.2%	≤4	435
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	167 %	70-130	360
Ethylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	89.9 %	9-174	
		(SP 1901860-002)	MSD	ug/L	10.00	96.7 %	9-174	
			MSRPD	ug/L	10.00	7.3%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	84.2 %	70-130	
Freon-11	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	0-232	
		(SP 1901860-002)	MSD	ug/L	10.00	136 %	0-232	
			MSRPD	ug/L	10.00	0.7%	≤35	
Hexachlorobutadiene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	14-200	
		(SP 1901860-002)	MSD	ug/L	10.00	116 %	14-200	
			MSRPD	ug/L	10.00	1.3%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	104 %	70-130	
Isopropyl Ether	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	171 %	8-165	435
		(SP 1901860-002)	MSD	ug/L	10.00	178 %	8-165	435
			MSRPD	ug/L	10.00	4.5%	≤11	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	190 %	70-130	360
Isopropylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.3 %	4-159	
		(SP 1901860-002)	MSD	ug/L	10.00	102 %	4-159	
			MSRPD	ug/L	10.00	4.4%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	87.2 %	70-130	
Methyl tert-Butyl Ether	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	140 %	70-130	360
Methyl tert-Butyl Ether (MTBE)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	126 %	11-168	
		(SP 1901860-002)	MSD	ug/L	10.00	129 %	11-168	
			MSRPD	ug/L	10.00	2.6%	≤29	
Methylene Chloride	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	182 %	70-130	360
Naphthalene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	85.4 %	0-189	
		(SP 1901860-002)	MSD	ug/L	10.00	86.2 %	0-189	
			MSRPD	ug/L	10.00	1.0%	≤32	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	88.2 %	70-130	
n-Butylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	4-186	
		(SP 1901860-002)	MSD	ug/L	10.00	110 %	4-186	

March 14, 2019 Lab ID : CH 1971265
Paradise Irrigation District Customer : 7-5855

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
n-Butylbenzene	524.2	02/20/19:201983VRG	MSRPD	ug/L	10.00	9.2%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	91.6 %	70-130	
n-Propylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.5 %	0-174	
		(SP 1901860-002)	MSD	ug/L	10.00	106 %	0-174	
			MSRPD	ug/L	10.00	7.1%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	90.1 %	70-130	
p-Isopropyltoluene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	0-193	
		(SP 1901860-002)	MSD	ug/L	10.00	110 %	0-193	
			MSRPD	ug/L	10.00	4.9%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	94.2 %	70-130	
sec-Butylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	0-177	
		(SP 1901860-002)	MSD	ug/L	10.00	111 %	0-177	
			MSRPD	ug/L	10.00	6.3%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	91.0 %	70-130	
Styrene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.9 %	0-198	
		(SP 1901860-002)	MSD	ug/L	10.00	88.2 %	0-198	
			MSRPD	ug/L	10.00	0.7%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	89.2 %	70-130	
TAME	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	123 %	15-162	
		(SP 1901860-002)	MSD	ug/L	10.00	133 %	15-162	
			MSRPD	ug/L	10.00	1.0	≤3	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	131 %	70-130	360
tert-Butanol	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<2	
			MS	ug/L	50.00	149 %	0-198	
		(SP 1901860-002)	MSD	ug/L	50.00	146 %	0-198	
			MSRPD	ug/L	10.00	2.0%	≤39	
	524.2	02/20/19:202569VRG	CCV	ug/L	50.00	125 %	70-130	
tert-Butylbenzene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	106 %	9-179	
		(SP 1901860-002)	MSD	ug/L	10.00	113 %	9-179	
			MSRPD	ug/L	10.00	6.1%	≤38	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	96.0 %	30-130	
Tetrachloroethylene (PCE)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.4 %	14-186	
		(SP 1901860-002)	MSD	ug/L	10.00	106 %	14-186	
			MSRPD	ug/L	10.00	7.6%	≤33	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	87.2 %	70-130	
Toluene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	3-174	
		(SP 1901860-002)	MSD	ug/L	10.00	110 %	3-174	
			MSRPD	ug/L	10.00	7.7%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	97.8 %	30-130	
trans-1,2-Dichloroethylene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.9 %	5-165	
		(SP 1901860-002)	MSD	ug/L	10.00	97.7 %	5-165	
			MSRPD	ug/L	10.00	1.8%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	86.5 %	70-130	
trans-1,3-Dichloropropene	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	97.4 %	0-169	

March 14, 2019 Lab ID : CH 1971265

Paradise Irrigation District 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 1901860-002)	MSD	ug/L	9.200	103 %	0-169	
			MSRPD	ug/L	10.00	6.0%	≤31	
	524.2	02/20/19:202569VRG	CCV	ug/L	9.200	103 %	70-130	
Trichloroethylene (TCE)	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	11-167	
		(SP 1901860-002)	MSD	ug/L	10.00	106 %	11-167	
			MSRPD	ug/L	10.00	3.2%	≤35	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	92.8 %	70-130	
Trichlorofluoromethane F-11	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	133 %	70-130	360
Trichlorotrifluoroethane F-113	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.7 %	0-183	
		(SP 1901860-002)	MSD	ug/L	10.00	92.5 %	0-183	
			MSRPD	ug/L	10.00	4.2%	≤33	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	70.2 %	70-130	
Vinyl Chloride	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	0-208	
		(SP 1901860-002)	MSD	ug/L	10.00	130 %	0-208	
			MSRPD	ug/L	10.00	2.2%	≤40	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	137 %	30-130	360
Xylenes m,p	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	93.3 %	0-193	
		(SP 1901860-002)	MSD	ug/L	20.00	100 %	0-193	
			MSRPD	ug/L	10.00	7.4%	≤37	
	524.2	02/20/19:202569VRG	CCV	ug/L	20.00	87.4 %	70-130	
Xylenes o	524.2	02/20/19:201983VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.9 %	0-188	
		(SP 1901860-002)	MSD	ug/L	10.00	100 %	0-188	
			MSRPD	ug/L	10.00	4.3%	≤36	
	524.2	02/20/19:202569VRG	CCV	ug/L	10.00	92.7 %	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.