

Chemical Analysis Report

SW-DIST-2019-10-15-03

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Bishop Creek Sites**
Request ID: **RQ-2019-10-14-01**
Customer: **SW-DIST**
Project ID: **SMP**

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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 25-OCT-2019 11:37

A handwritten signature in black ink that reads "Kerry Tate". The signature is written in a cursive, flowing style with a horizontal line above the "T" in "Tate".

Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

A - Value reported is the mean of two or more determinations.
B - Results based on colony counts outside the acceptable range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
N - Presumptive evidence of presence of material.
O - Sampled, but analysis lost or not performed.
Q - Sample held beyond normal holding time.
T - Value reported is less than the criterion of detection.
U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
V - Analyte was detected in both sample and method blank.
X - Too few individuals to calculate SCI value.
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Bishop Crk @Oakcrest Dr. (PC 12-02)

Collection Date/Time: 10/14/2019 11:22

Field ID: G1SW0063

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2128091	EPA 8321B	2,4-D	0.021		ug/L	P372475	
		Acesulfame K**	0.10	U	ug/L	P372594	
		AMPA**	0.13	I	ug/L	P372594	
		Sucralose**	0.41		ug/L	P372594	
		Acetaminophen**	0.0080	U	ug/L	P372475	
		Acetamiprid**	0.0020	U	ug/L	P372475	
		Endothall**	0.35	I	ug/L	P372594	
		Glufosinate**	0.10	U	ug/L	P372594	
		Glyphosate**	1.4		ug/L	P372594	
		Afidopyropen**	0.0020	UJ	ug/L	P372475	
		Bentazon	0.093		ug/L	P372475	
		Benzovindiflupyr**	0.0020	UJ	ug/L	P372475	
		Carbamazepine**	8.0E-04	U	ug/L	P372475	
		Clothianidin**	0.0045	I	ug/L	P372475	
		Dinotefuran**	0.010		ug/L	P372475	
		Diuron	0.0029	I	ug/L	P372475	
		Fenuron	0.016	U	ug/L	P372475	
		Fluridone**	0.067		ug/L	P372475	
		Imazapyr**	0.16		ug/L	P372475	
		Hydrocodone**	0.0020	U	ug/L	P372475	
		Ibuprofen**	0.020	U	ug/L	P372475	
		Imidacloprid	0.062		ug/L	P372475	MS
		Linuron	0.0040	U	ug/L	P372475	
		Mandestrobin**	0.0020	UJ	ug/L	P372475	
		MCPP	0.0020	U	ug/L	P372475	
		Naproxen**	0.0080	U	ug/L	P372475	
		Primidone**	0.0040	U	ug/L	P372475	
		Pyraclostrobin**	0.0020	U	ug/L	P372475	
		Thiamethoxam**	0.0020	U	ug/L	P372475	MS
		Tolfenpyrad**	0.0020	U	ug/L	P372475	
		Triclopyr**	0.0040	U	ug/L	P372475	

Ref. Method and Comment:

EPA 8321B: J - second source check standards for some analytes were not available for analysis. MS accuracy for bentazon and imazapyr could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: Bishop Crk @Harbor Lakes (PC 12-04)

Collection Date/Time: 10/14/2019 10:25

Field ID: G1SW0061

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2128092	EPA 8321B	2,4-D	0.0048	I	ug/L	P372475	
		Acesulfame K**	0.10	U	ug/L	P372594	
		AMPA**	0.45		ug/L	P372594	
		Sucralose**	0.12		ug/L	P372594	
		Acetaminophen**	0.0080	U	ug/L	P372475	
		Acetamiprid**	0.0020	U	ug/L	P372475	
		Endothall**	0.25	U	ug/L	P372594	
		Glufosinate**	0.10	U	ug/L	P372594	
		Glyphosate**	0.50		ug/L	P372594	
		Afidopyropen**	0.0020	UJ	ug/L	P372475	
		Bentazon	0.031		ug/L	P372475	
		Benzovindiflupyr**	0.0020	UJ	ug/L	P372475	
		Carbamazepine**	8.0E-04	U	ug/L	P372475	
		Clothianidin**	0.0041	I	ug/L	P372475	
		Dinotefuran**	0.0030	I	ug/L	P372475	
		Diuron	0.020		ug/L	P372475	
		Fenuron	0.016	U	ug/L	P372475	
		Fluridone**	0.031		ug/L	P372475	
		Imazapyr**	0.045		ug/L	P372475	
		Hydrocodone**	0.0020	U	ug/L	P372475	
		Ibuprofen**	0.020	U	ug/L	P372475	
		Imidacloprid	0.085		ug/L	P372475	MS
		Linuron	0.0040	U	ug/L	P372475	
		Mandestrobin**	0.0020	UJ	ug/L	P372475	
		MCPP	0.0020	U	ug/L	P372475	
		Naproxen**	0.0080	U	ug/L	P372475	
		Primidone**	0.0040	U	ug/L	P372475	
		Pyraclostrobin**	0.0020	U	ug/L	P372475	
		Thiamethoxam**	0.0020	U	ug/L	P372475	MS
		Tolfenpyrad**	0.0020	U	ug/L	P372475	
		Triclopyr**	0.0040	U	ug/L	P372475	

Ref. Method and Comment:

EPA 8321B: J - second source check standards for some analytes were not available for analysis. MS accuracy for bentazon and imazapyr could not be assessed due to high concentration of parameter in the spiked sample.

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P372475

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.016	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.020	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B
Batch ID: P372594

Component	Result	Code	Units
Acesulfame K	0.10	U	ug/L
AMPA	0.10	U	ug/L
Endothall	0.25	U	ug/L
Glufosinate	0.10	U	ug/L
Glyphosate	0.10	U	ug/L
Sucralose	0.010	U	ug/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P372475

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	147		P	40 - 160
Acetaminophen	94.0		P	30 - 160
Acetamiprid	98.8		P	40 - 160
Afidopyropen	101		P	40 - 160
Bentazon	127		P	30 - 160
Benzovindiflupyr	99.4		P	40 - 160
Carbamazepine	114		P	40 - 160
Clothianidin	102		P	40 - 160
Dinotefuran	91.2		P	40 - 160
Diuron	107		P	40 - 160
Fenuron	106		P	40 - 160
Fluridone	103		P	40 - 160
Hydrocodone	99.1		P	40 - 160
Ibuprofen	92.7		P	30 - 160
Imazapyr	101		P	40 - 160
Imidacloprid	108		P	40 - 160
Linuron	89.0		P	40 - 160
Mandestrobin	111		P	40 - 160
MCPP	159		P	40 - 160
Naproxen	114		P	40 - 160
Primidone	102		P	40 - 160
Pyraclostrobin	95.2		P	30 - 160
Thiamethoxam	105		P	40 - 160
Tolfenpyrad	58.7		P	40 - 160
Triclopyr	139		P	30 - 160

Reference Method: EPA 8321B
Batch ID: P372594

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	84.1		P	40 - 150
AMPA	117		P	40 - 150
Endothall	92.6		P	40 - 150
Glufosinate	82.4		P	40 - 150
Glyphosate	81.0		P	40 - 140
Sucralose	99.0		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P372475

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2127757	2,4-D	141	152	P/P	40 - 160
2127757	Acetaminophen	95.1	85.5	P/P	30 - 160
2127757	Acetamiprid	110	120	P/P	40 - 160
2127757	Afidopyropen	116	122	P/P	40 - 160
2127757	Benzovindiflupyr	111	114	P/P	40 - 160
2127757	Carbamazepine	121	117	P/P	40 - 160
2127757	Clothianidin	111	111	P/P	40 - 160
2127757	Dinotefuran	109	115	P/P	40 - 160
2127757	Diuron	113	110	P/P	40 - 160
2127757	Fenuron	116	101	P/P	40 - 160
2127757	Fluridone	104	94.7	P/P	40 - 160
2127757	Hydrocodone	110	111	P/P	40 - 160
2127757	Ibuprofen	98.4	92.6	P/P	30 - 160
2127757	Imidacloprid	171	158	F/P	40 - 160
2127757	Linuron	79.3	77.8	P/P	40 - 160
2127757	Mandestrobin	124	117	P/P	40 - 160
2127757	MCCP	149	153	P/P	40 - 160
2127757	Naproxen	91.5	91.2	P/P	40 - 160
2127757	Primidone	98.5	116	P/P	40 - 160
2127757	Pyraclostrobin	107	112	P/P	30 - 160
2127757	Thiamethoxam	158	162	P/F	40 - 160
2127757	Tolfenpyrad	74.6	83.6	P/P	40 - 160
2127757	Triclopyr	111	118	P/P	30 - 160

Reference Method: EPA 8321B
Batch ID: P372594

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2128620	Acesulfame K	50.6	61.0	P/P	40 - 150
2128620	AMPA	61.1	63.7	P/P	40 - 150
2128620	Endothall	58.1	63.1	P/P	40 - 150
2128620	Glufosinate	80.6	76.7	P/P	40 - 150
2128620	Glyphosate	82.8	79.0	P/P	40 - 140
2128620	Sucralose	114	104	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P372475

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2127757	2,4-D	6.65	Spike	P	0 - 30
2127757	Acetaminophen	10.6	Spike	P	0 - 30
2127757	Acetamiprid	8.74	Spike	P	0 - 30
2127757	Afidopyropen	4.64	Spike	P	0 - 30
2127757	Bentazon	1.47	Spike	P	0 - 30
2127757	Benzovindiflupyr	2.69	Spike	P	0 - 30
2127757	Carbamazepine	3.36	Spike	P	0 - 30
2127757	Clothianidin	0.124	Spike	P	0 - 30
2127757	Dinotefuran	5.29	Spike	P	0 - 30
2127757	Diuron	1.68	Spike	P	0 - 30
2127757	Fenuron	14.6	Spike	P	0 - 30
2127757	Fluridone	5.60	Spike	P	0 - 30
2127757	Hydrocodone	1.23	Spike	P	0 - 30
2127757	Ibuprofen	6.09	Spike	P	0 - 30
2127757	Imazapyr	1.59	Spike	P	0 - 30
2127757	Imidacloprid	6.50	Spike	P	0 - 30
2127757	Linuron	2.00	Spike	P	0 - 30
2127757	Mandestrobin	5.93	Spike	P	0 - 30
2127757	MCPP	2.87	Spike	P	0 - 30
2127757	Naproxen	0.384	Spike	P	0 - 30
2127757	Primidone	15.9	Spike	P	0 - 30
2127757	Pyraclostrobin	5.10	Spike	P	0 - 30
2127757	Thiamethoxam	2.15	Spike	P	0 - 30
2127757	Tolfenpyrad	11.4	Spike	P	0 - 30
2127757	Triclopyr	6.09	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P372594

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2128620	Acesulfame K	18.5	Spike	P	0 - 30
2128620	AMPA	3.37	Spike	P	0 - 30
2128620	Endothall	1.53	Spike	P	0 - 30
2128620	Glufosinate	4.95	Spike	P	0 - 30
2128620	Glyphosate	3.02	Spike	P	0 - 30
2128620	Sucralose	8.16	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2128091
Field Sample ID: G1SW0063

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	153	P	30 - 160
EPA 8321B	Acetaminophen-d4	66.5	P	30 - 160
EPA 8321B	Bentazon-d7	63.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	97.7	P	30 - 160
EPA 8321B	Diuron-d6	79.5	P	30 - 160
EPA 8321B	Endothall-d6	131	P	30 - 160
EPA 8321B	Endothall-d6	131	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	43.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	43.0	P	30 - 160
EPA 8321B	Ibuprofen-d3	96.4	P	30 - 160
EPA 8321B	Primidone-d5	98.9	P	30 - 160
EPA 8321B	Sucralose-d6	99.5	P	30 - 160
EPA 8321B	Sucralose-d6	99.5	P	30 - 160

Lab Sample ID: 2128092
Field Sample ID: G1SW0061

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	138	P	30 - 160
EPA 8321B	Acetaminophen-d4	67.6	P	30 - 160
EPA 8321B	Bentazon-d7	52.8	P	30 - 160
EPA 8321B	Carbamazepine-d10	88.8	P	30 - 160
EPA 8321B	Diuron-d6	70.4	P	30 - 160
EPA 8321B	Endothall-d6	93.1	P	30 - 160
EPA 8321B	Endothall-d6	93.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	69.6	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	69.6	P	30 - 160
EPA 8321B	Ibuprofen-d3	84.4	P	30 - 160
EPA 8321B	Primidone-d5	95.5	P	30 - 160
EPA 8321B	Sucralose-d6	100	P	30 - 160
EPA 8321B	Sucralose-d6	100	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A95044

Included Lab Sample IDs: 2128091, 2128092

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	119	92.7	P/P	60 - 160
Glufosinate	75.7	72.4	P/P	60 - 160
Glyphosate	88.6	98.3	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A95046

Included Lab Sample IDs: 2128091, 2128092

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	107	116	P/P	50 - 150
Acetaminophen	106	104	P/P	60 - 160
Acetamiprid	106	106	P/P	50 - 150
Afidopyropen	123	119	P/P	50 - 150
Bentazon	126	128	P/P	50 - 160
Bentazon	128	128	P/P	50 - 160
Benzovindiflupyr	113	126	P/P	50 - 150
Carbamazepine	111	114	P/P	60 - 150
Clothianidin	100	109	P/P	60 - 150
Dinotefuran	100	105	P/P	50 - 150
Diuron	117	114	P/P	60 - 150
Fenuron	106	107	P/P	60 - 150
Fluridone	112	105	P/P	60 - 160
Hydrocodone	101	97.5	P/P	60 - 150
Ibuprofen	118	119	P/P	50 - 160
Imazapyr	103	87.4	P/P	50 - 150
Imidacloprid	110	108	P/P	60 - 150
Linuron	101	103	P/P	60 - 150
Mandestrobin	125	124	P/P	50 - 150
MCPP	135	107	P/P	50 - 150
Naproxen	97.7	144	P/P	50 - 160
Primidone	102	91.6	P/P	60 - 150
Pyraclostrobin	113	117	P/P	60 - 150
Thiamethoxam	101	107	P/P	50 - 150
Tolfenpyrad	113	114	P/P	60 - 150
Triclopyr	127	115	P/P	50 - 150

Reference Method: EPA 8321B

Run ID: A95073

Included Lab Sample IDs: 2128091, 2128092

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	139	95.3	P/P	60 - 160
Endothall	82.5	88.7	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A95074

Included Lab Sample IDs: 2128091, 2128092

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	95.4	106	P/P	60 - 160

Quality Assurance Report

Calibration Verification

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8321B	2,4-D	147	141	152		6.65
	Acesulfame K	84.1	50.6	61.0		18.5
	Acetaminophen	94.0	95.1	85.5		10.6
	Acetamiprid	98.8	110	120		8.74
	Afidopyropen	101	116	122		4.64
	AMPA	117	61.1	63.7		3.37
	Bentazon	127				1.47
	Benzovindiflupyr	99.4	111	114		2.69
	Carbamazepine	114	121	117		3.36
	Clothianidin	102	111	111		0.124
	Dinotefuran	91.2	109	115		5.29
	Diuron	107	113	110		1.68
	Endothall	92.6	58.1	63.1		1.53
	Fenuron	106	116	101		14.6
	Fluridone	103	104	94.7		5.60
	Glufosinate	82.4	80.6	76.7		4.95
	Glyphosate	81.0	82.8	79.0		3.02
	Hydrocodone	99.1	110	111		1.23
	Ibuprofen	92.7	98.4	92.6		6.09
	Imazapyr	101				1.59
	Imidacloprid	108	171	158		6.50
	Linuron	89.0	79.3	77.8		2.00
	Mandestrobin	111	124	117		5.93
	MCPP	159	149	153		2.87
	Naproxen	114	91.5	91.2		0.384
	Primidone	102	98.5	116		15.9
	Pyraclostrobin	95.2	107	112		5.10
	Sucralose	99.0	114	104		8.16
	Thiamethoxam	105	158	162		2.15
	Tolfenpyrad	58.7	74.6	83.6		11.4
	Triclopyr	139	111	118		6.09

Reference Method Descriptions

Method / DoH Cert

EPA 8321B / E31780
EPA 8321B / E31780

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Water soluble organic compounds by HPLC/MS/MS

Associated Samples

2128091, 2128092
2128091, 2128092

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	10/15/2019	10/17/2019 10:00	Hoor Shaik	10/18/2019 12:17	Juyoung Kim	2128091
	10/15/2019	10/17/2019 10:00	Hoor Shaik	10/18/2019 12:51	Juyoung Kim	2128092
	10/15/2019	10/17/2019 10:00	Hoor Shaik	10/18/2019 17:28	Juyoung Kim	2128091
	10/15/2019	10/17/2019 11:00	Mohammad Ghaffari	10/17/2019 12:26	Mohammad Ghaffari	2128091
	10/15/2019	10/17/2019 11:00	Mohammad Ghaffari	10/17/2019 12:37	Mohammad Ghaffari	2128092
	10/15/2019	10/17/2019 11:00	Mohammad Ghaffari	10/18/2019 14:34	Mohammad Ghaffari	2128091
	10/15/2019	10/17/2019 11:00	Mohammad Ghaffari	10/18/2019 14:48	Mohammad Ghaffari	2128092
	10/15/2019	10/17/2019 11:00	Mohammad Ghaffari	10/19/2019 16:57	Mohammad Ghaffari	2128091
	10/15/2019	10/17/2019 11:00	Mohammad Ghaffari	10/19/2019 17:11	Mohammad Ghaffari	2128092