

Chemical Analysis Report

SW-DIST-2019-10-25-04

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

Event Description: **Joes & PP Ditch #5_Bonn Creek**

Request ID: **RQ-2019-10-21-04**

Customer: **SW-DIST**

Project ID: **SMP**

Send Reports to:

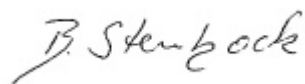
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Date Certified: 13-NOV-2019 17:35



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: Pinellas Park ditch #5

Collection Date/Time: 10/24/2019 14:17

Field ID: G5SW0118

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2131872	EPA 8321B	2,4-D	0.0065	I	ug/L	P373120	
		Acesulfame K**	0.10	U	ug/L	P373165	
		AMPA**	0.87		ug/L	P373165	
		Sucralose**	1.1		ug/L	P373165	
		Acetaminophen**	0.0080	U	ug/L	P373120	
		Acetamiprid**	0.0020	U	ug/L	P373120	
		Endothall**	0.25	U	ug/L	P373165	
		Glufosinate**	0.10	U	ug/L	P373165	
		Glyphosate**	2.8		ug/L	P373165	
		Afidopyropen**	0.0020	UJ	ug/L	P373120	
		Bentazon	0.024		ug/L	P373120	
		Benzovindiflupyr**	0.0020	UJ	ug/L	P373120	
		Carbamazepine**	0.0019	I	ug/L	P373120	
		Clothianidin**	0.0059	I	ug/L	P373120	
		Dinotefuran**	0.0022	I	ug/L	P373120	
		Diuron	0.025		ug/L	P373120	
		Fenuron	0.016	U	ug/L	P373120	
		Fluridone**	0.0055		ug/L	P373120	
		Imazapyr**	0.023		ug/L	P373120	
		Hydrocodone**	0.0020	U	ug/L	P373120	
		Ibuprofen**	0.020	U	ug/L	P373120	
		Imidacloprid	0.021		ug/L	P373120	MS
		Linuron	0.0040	U	ug/L	P373120	
		Mandestrobin**	0.0020	UJ	ug/L	P373120	
		MCPP	0.0020	U	ug/L	P373120	
		Naproxen**	0.0080	U	ug/L	P373120	
		Primidone**	0.0096	I	ug/L	P373120	
		Pyraclostrobin**	0.0020	U	ug/L	P373120	
		Thiamethoxam**	0.0020	U	ug/L	P373120	
		Tolfenpyrad**	0.0020	U	ug/L	P373120	
		Triclopyr**	0.0040	U	ug/L	P373120	

Ref. Method and Comment:

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

Sample Location: Joe's Crk @ 62nd & 42nd (PC 35-10)

Collection Date/Time: 10/24/2019 11:53

Field ID: G5SW0137

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2131873	EPA 8321B	2,4-D	0.035		ug/L	P373120	
		Acesulfame K**	0.10	U	ug/L	P373165	
		AMPA**	0.55		ug/L	P373165	
		Sucralose**	0.16		ug/L	P373165	
		Acetaminophen**	0.0080	U	ug/L	P373120	
		Acetamiprid**	0.0020	U	ug/L	P373120	
		Endothall**	0.25	U	ug/L	P373165	
		Glufosinate**	0.10	U	ug/L	P373165	
		Glyphosate**	1.5		ug/L	P373165	
		Afidopyropen**	0.0020	UJ	ug/L	P373120	
		Bentazon	0.017		ug/L	P373120	
		Benzovindiflupyr**	0.0020	UJ	ug/L	P373120	
		Carbamazepine**	8.0E-04	U	ug/L	P373120	
		Clothianidin**	0.0041	I	ug/L	P373120	
		Dinotefuran**	0.0033	I	ug/L	P373120	
		Diuron	0.012		ug/L	P373120	
		Fenuron	0.016	U	ug/L	P373120	
		Fluridone**	0.012		ug/L	P373120	
		Imazapyr**	0.053		ug/L	P373120	
		Hydrocodone**	0.0020	U	ug/L	P373120	
		Ibuprofen**	0.020	U	ug/L	P373120	
		Imidacloprid	0.091		ug/L	P373120	MS
		Linuron	0.0040	U	ug/L	P373120	
		Mandestrobin**	0.0020	UJ	ug/L	P373120	
		MCPP	0.0043	I	ug/L	P373120	
		Naproxen**	0.0080	U	ug/L	P373120	
		Primidone**	0.0040	U	ug/L	P373120	
		Pyraclostrobin**	0.0020	U	ug/L	P373120	
		Thiamethoxam**	0.0020	U	ug/L	P373120	
		Tolfenpyrad**	0.0020	U	ug/L	P373120	
		Triclopyr**	0.0040	U	ug/L	P373120	

Ref. Method and Comment:

EPA 8321B: J - second source check standards for some analytes were not available for analysis. MS accuracy for some analytes 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: P373120

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: P373165

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: P373120

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	123		P	40 - 160
Acetaminophen	82.4		P	30 - 160
Acetamiprid	102		P	40 - 160
Afidopyropen	93.8		P	40 - 160
Bentazon	97.4		P	30 - 160
Benzovindiflupyr	94.8		P	40 - 160
Carbamazepine	103		P	40 - 160
Clothianidin	85.5		P	40 - 160
Dinotefuran	90.1		P	40 - 160
Diuron	103		P	40 - 160
Fenuron	103		P	40 - 160
Fluridone	92.8		P	40 - 160
Hydrocodone	89.0		P	40 - 160
Ibuprofen	84.4		P	30 - 160
Imazapyr	86.5		P	40 - 160
Imidacloprid	105		P	40 - 160
Linuron	78.4		P	40 - 160
Mandestrobin	94.6		P	40 - 160
MCPP	114		P	40 - 160
Naproxen	103		P	40 - 160
Primidone	90.3		P	40 - 160
Pyraclostrobin	83.4		P	30 - 160
Thiamethoxam	106		P	40 - 160
Tolfenpyrad	60.5		P	40 - 160
Triclopyr	87.5		P	30 - 160

Reference Method: EPA 8321B
 Batch ID: P373165

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	125		P	40 - 150
AMPA	118		P	40 - 150
Endothall	94.7		P	40 - 150
Glufosinate	95.8		P	40 - 150
Glyphosate	121		P	40 - 140
Sucralose	109		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P373120

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2131538	2,4-D	116	104	P/P	40 - 160
2131538	Acetaminophen	76.9	77.5	P/P	30 - 160
2131538	Acetamiprid	104	104	P/P	40 - 160
2131538	Afidopyropen	94.5	95.7	P/P	40 - 160
2131538	Benzovindiflupyr	92.3	93.4	P/P	40 - 160
2131538	Carbamazepine	85.1	85.5	P/P	40 - 160
2131538	Clothianidin	95.2	88.4	P/P	40 - 160
2131538	Dinotefuran	108	105	P/P	40 - 160
2131538	Diuron	84.7	85.1	P/P	40 - 160
2131538	Fenuron	94.7	93.3	P/P	40 - 160
2131538	Hydrocodone	89.7	89.0	P/P	40 - 160
2131538	Ibuprofen	77.5	73.4	P/P	30 - 160
2131538	Imidacloprid	172	168	F/F	40 - 160
2131538	Linuron	68.8	69.3	P/P	40 - 160
2131538	Mandestrobin	89.2	86.9	P/P	40 - 160
2131538	MCCP	109	98.3	P/P	40 - 160
2131538	Naproxen	76.8	62.1	P/P	40 - 160
2131538	Primidone	103	97.2	P/P	40 - 160
2131538	Pyraclostrobin	85.2	83.4	P/P	30 - 160
2131538	Thiamethoxam	140	139	P/P	40 - 160
2131538	Tolfenpyrad	60.7	55.2	P/P	40 - 160
2131538	Triclopyr	91.8	82.3	P/P	30 - 160

Reference Method: EPA 8321B
Batch ID: P373165

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2131872	Acesulfame K	67.8	67.8	P/P	40 - 150
2131872	AMPA	49.4	45.4	P/P	40 - 150
2131872	Endothall	103	105	P/P	40 - 150
2131872	Glufosinate	57.8	59.7	P/P	40 - 150
2131872	Glyphosate	105	97.3	P/P	40 - 140
2131872	Sucralose	95.2	102	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P373120

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2131538	2,4-D	8.47	Spike	P	0 - 30
2131538	Acetaminophen	0.749	Spike	P	0 - 30
2131538	Acetamiprid	0.151	Spike	P	0 - 30
2131538	Afidopyropen	1.18	Spike	P	0 - 30
2131538	Bentazon	0.997	Spike	P	0 - 30
2131538	Benzovindiflupyr	1.16	Spike	P	0 - 30
2131538	Carbamazepine	0.468	Spike	P	0 - 30
2131538	Clothianidin	7.04	Spike	P	0 - 30
2131538	Dinotefuran	2.16	Spike	P	0 - 30
2131538	Diuron	0.415	Spike	P	0 - 30
2131538	Fenuron	1.52	Spike	P	0 - 30
2131538	Fluridone	0.743	Spike	P	0 - 30
2131538	Hydrocodone	0.830	Spike	P	0 - 30
2131538	Ibuprofen	5.44	Spike	P	0 - 30
2131538	Imazapyr	4.79	Spike	P	0 - 30
2131538	Imidacloprid	2.36	Spike	P	0 - 30
2131538	Linuron	0.662	Spike	P	0 - 30
2131538	Mandestrobin	2.57	Spike	P	0 - 30
2131538	MCPP	10.5	Spike	P	0 - 30
2131538	Naproxen	21.2	Spike	P	0 - 30
2131538	Primidone	6.05	Spike	P	0 - 30
2131538	Pyraclostrobin	2.12	Spike	P	0 - 30
2131538	Thiamethoxam	0.719	Spike	P	0 - 30
2131538	Tolfenpyrad	9.44	Spike	P	0 - 30
2131538	Triclopyr	10.8	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P373165

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2131872	Acesulfame K	0.00826	Spike	P	0 - 30
2131872	AMPA	2.96	Spike	P	0 - 30
2131872	Endothall	1.61	Spike	P	0 - 30
2131872	Glufosinate	3.11	Spike	P	0 - 30
2131872	Glyphosate	2.12	Spike	P	0 - 30
2131872	Sucralose	4.69	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2131872
Field Sample ID: G5SW0118

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	78.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	78.9	P	30 - 160
EPA 8321B	Carbamazepine-d10	84.5	P	30 - 160
EPA 8321B	Diuron-d6	67.4	P	30 - 160
EPA 8321B	Endothall-d6	115	P	30 - 160
EPA 8321B	Endothall-d6	115	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	65.6	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	65.6	P	30 - 160
EPA 8321B	Ibuprofen-d3	63.0	P	30 - 160
EPA 8321B	Primidone-d5	89.6	P	30 - 160
EPA 8321B	Sucralose-d6	101	P	30 - 160
EPA 8321B	Sucralose-d6	101	P	30 - 160

Lab Sample ID: 2131873
Field Sample ID: G5SW0137

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	101	P	30 - 160
EPA 8321B	Acetaminophen-d4	78.5	P	30 - 160
EPA 8321B	Carbamazepine-d10	96.0	P	30 - 160
EPA 8321B	Diuron-d6	74.9	P	30 - 160
EPA 8321B	Endothall-d6	102	P	30 - 160
EPA 8321B	Endothall-d6	102	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	72.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	72.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	77.7	P	30 - 160
EPA 8321B	Primidone-d5	102	P	30 - 160
EPA 8321B	Sucralose-d6	99.6	P	30 - 160
EPA 8321B	Sucralose-d6	99.6	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A95323

Included Lab Sample IDs: 2131872, 2131873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	103	109	P/P	60 - 160
Endothall	100	89.8	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A95334

Included Lab Sample IDs: 2131872, 2131873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	68.1	126	P/P	60 - 160
Glufosinate	68.4	114	P/P	60 - 160
Glyphosate	80.5	111	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A95380

Included Lab Sample IDs: 2131872, 2131873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	99.9	95.9	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A95576

Included Lab Sample IDs: 2131872, 2131873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	89.8	81.5	P/P	50 - 150
Acetaminophen	98.5	103	P/P	60 - 160
Acetamiprid	110	111	P/P	50 - 150
Afidopyropen	94.0	90.5	P/P	50 - 150
Bentazon	91.1	73.0	P/P	50 - 160
Benzovindiflupyr	112	119	P/P	50 - 150
Carbamazepine	107	111	P/P	60 - 150
Clothianidin	94.7	102	P/P	60 - 150
Dinotefuran	95.1	92.9	P/P	50 - 150
Diuron	109	114	P/P	60 - 150
Fenuron	109	110	P/P	60 - 150
Fluridone	115	109	P/P	60 - 160
Hydrocodone	102	107	P/P	60 - 150
Ibuprofen	88.8	97.3	P/P	50 - 160
Imazapyr	89.4	89.0	P/P	50 - 150
Imidacloprid	97.4	99.0	P/P	60 - 150
Linuron	104	95.1	P/P	60 - 150
Mandestrobin	110	110	P/P	50 - 150
MCPP	98.3	87.3	P/P	50 - 150
Naproxen	78.7	84.0	P/P	50 - 160
Primidone	103	106	P/P	60 - 150
Pyraclostrobin	101	103	P/P	60 - 150
Thiamethoxam	106	104	P/P	50 - 150
Tolfenpyrad	98.8	104	P/P	60 - 150
Triclopyr	80.6	68.9	P/P	50 - 150

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	123	116	104		8.47
	Acesulfame K	125	67.8	67.8		0.0082
	Acetaminophen	82.4	76.9	77.5		0.749
	Acetamiprid	102	104	104		0.151
	Afidopyropen	93.8	94.5	95.7		1.18
	AMPA	118	49.4	45.4		2.96
	Bentazon	97.4				0.997
	Benzovindiflupyr	94.8	92.3	93.4		1.16
	Carbamazepine	103	85.1	85.5		0.468
	Clothianidin	85.5	95.2	88.4		7.04
	Dinotefuran	90.1	108	105		2.16
	Diuron	103	84.7	85.1		0.415
	Endothall	94.7	103	105		1.61
	Fenuron	103	94.7	93.3		1.52
	Fluridone	92.8				0.743
	Glufosinate	95.8	57.8	59.7		3.11
	Glyphosate	121	105	97.3		2.12
	Hydrocodone	89.0	89.7	89.0		0.830
	Ibuprofen	84.4	77.5	73.4		5.44
	Imazapyr	86.5				4.79
	Imidacloprid	105	172	168		2.36
	Linuron	78.4	68.8	69.3		0.662
	Mandestrobin	94.6	89.2	86.9		2.57
	MCPP	114	109	98.3		10.5
	Naproxen	103	76.8	62.1		21.2
	Primidone	90.3	103	97.2		6.05
	Pyraclostrobin	83.4	85.2	83.4		2.12
	Sucralose	109	95.2	102		4.69
	Thiamethoxam	106	140	139		0.719
	Tolfenpyrad	60.5	60.7	55.2		9.44
	Triclopyr	87.5	91.8	82.3		10.8

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

2131872, 2131873
2131872, 2131873

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	10/25/2019	10/28/2019 11:00	Rebecca Ware	10/28/2019 16:35	Rebecca Ware	2131872
	10/25/2019	10/28/2019 11:00	Rebecca Ware	10/28/2019 16:46	Rebecca Ware	2131873
	10/25/2019	10/28/2019 11:00	Rebecca Ware	10/29/2019 16:53	Rebecca Ware	2131872
	10/25/2019	10/28/2019 11:00	Rebecca Ware	10/29/2019 17:07	Rebecca Ware	2131873
	10/25/2019	10/28/2019 11:00	Rebecca Ware	10/30/2019 19:58	Rebecca Ware	2131872
	10/25/2019	10/28/2019 11:00	Rebecca Ware	10/30/2019 20:10	Rebecca Ware	2131873
	10/25/2019	10/30/2019 09:00	Hoor Shaik	11/07/2019 09:21	Juyoung Kim	2131872
	10/25/2019	10/30/2019 09:00	Hoor Shaik	11/07/2019 09:55	Juyoung Kim	2131873