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June 08, 2020

Ms. Jennifer Jermalowicz-Jones Restorative Lake Sciences 18406 W. Spring Lake Rd. Spring Lake, MI 49456

Phone: (616) 843-5636

RE: Trace Project 20E0896

Client Project Indian

Dear Ms. Jermalowicz-Jones:

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

For clients that require NELAP Accreditation, Trace certifies that these test results meet all requirements of the NELAP Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAP at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink Senior Project Manager Enclosures



NJDEP Accreditation No. MI008



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SAMPLE SUMMARY

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
20E0896-01	20-113g	Surface Water	gj/kj	05/27/20 13:21	05/29/20 08:05
20E0896-02	20-114g	Surface Water	gj/kj	05/27/20 13:24	05/29/20 08:05
20E0896-03	20-115g	Surface Water	gj/kj	05/27/20 13:28	05/29/20 08:05
20E0896-04	20-116g	Surface Water	gj/kj	05/27/20 13:39	05/29/20 08:05
20E0896-05	20-117g	Surface Water	gj/kj	05/27/20 13:43	05/29/20 08:05
20E0896-06	20-118g	Surface Water	gj/kj	05/27/20 13:47	05/29/20 08:05
20E0896-07	20-119g	Surface Water	gj/kj	05/27/20 13:53	05/29/20 08:05
20E0896-08	20-120g	Surface Water	gj/kj	05/27/20 13:59	05/29/20 08:05
20E0896-09	20-121g	Surface Water	gj/kj	05/27/20 14:20	05/29/20 08:05
20E0896-10	20-122g	Surface Water	gj/kj	05/27/20 14:03	05/29/20 08:05
20E0896-11	20-123g	Surface Water	gj/kj	05/27/20 14:10	05/29/20 08:05
20E0896-12	20-124g	Surface Water	gj/kj	05/27/20 14:30	05/29/20 08:05
20E0896-13	20-125g	Surface Water	gj/kj	05/27/20 14:34	05/29/20 08:05
20E0896-14	20-126g	Surface Water	gj/kj	05/27/20 14:41	05/29/20 08:05
20E0896-15	20-127g	Surface Water	gj/kj	05/27/20 14:51	05/29/20 08:05
20E0896-16	20-128g	Surface Water	gj/kj	05/27/20 14:56	05/29/20 08:05



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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate
RPD Relative Percent Difference

DUP Matrix Duplicate

RDL Reporting Detection Limit
MCL Maximum Contamination Limit
TIC Tentatively Identified Compound

<, ND or U Indicates the compound was analyzed for but not detected

Indicates a result that exceeds its associated MCL or Surrogate control limits
 Indicates that the laboratory is not accredited by NELAP for this compound

NA Indicates that the compound is not available.

NOTE: Samples for volatiles that have been extracted with a water miscible solvent were corrected for the

total volume of the solvent/water mixture.

Solid matrices Method Blanks are at 100% solids as such results are the same wet or dry.

DATA QUALIFIERS

Trace ID: 20E0896-05	
Analysis: EPA 300.0 Rev. 2.1	
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Trace ID: 20E0896-06 Analysis: EPA 300.0 Rev. 2.1	
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Trace ID: 20E0896-07	
Analysis: EPA 300.0 Rev. 2.1	
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Trace ID: 20E0896-08	
Analysis: EPA 300.0 Rev. 2.1	
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.

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Nitrite as N	Note 504 : The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Trace ID: 20E0896-09		
Analysis: EPA 300.0 Rev. 2.1		
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Trace ID: 20E0896-10 Analysis: EPA 300.0 Rev. 2.1		
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Trace ID: 20E0896-11		
Analysis: EPA 300.0 Rev. 2.1		
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Trace ID: 20E0896-12 Analysis: EPA 300.0 Rev. 2.1		
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Trace ID: 20E0896-13 Analysis: EPA 300.0 Rev. 2.1		
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Trace ID: 20E0896-14 Analysis: EPA 300.0 Rev. 2.1		
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.	
Nitrite as N Trace ID: 20E0896-15		

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Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Trace ID: 20E0896-16 Analysis: EPA 300.0 Rev. 2.1	
Nitrate as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.
Nitrite as N	Note 504: The sample result and reporting limit must be considered estimated. The analysis was performed beyond the EPA established 48-hour hold time.



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-01 Sample ID: 20-113g			Collected: Received:	05/27/20 13:2 05/29/20 08:0		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.028 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg		
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg		
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098640									
Total Kjeldahl Nitrogen	0.63 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 10200H Batch: T098635									
Chlorophyll A	-0.712 mg/m³	-100	1	05/29/20	ans	06/08/20	dc	N	
Pheophytin A	0.463 mg/m³	-100	1	05/29/20	ans	06/08/20	dc	N	
Analysis Method: SM 2540 D-11 Batch: T098644									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		

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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-02 Sample ID: 20-114g			Date Collected: Date Received:		05/27/20 13:24 05/29/20 08:05		Matrix: Surface Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL	
METALS, TOTAL										
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626										
Phosphorus	0.030 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd			
WET CHEMISTRY										
Analysis Method: Calculation Batch: [CALC]										
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N		
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622										
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg			
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg			
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716										
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans			
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098640										
Total Kjeldahl Nitrogen	0.63 mg/L	0.50	1	05/29/20	dc	06/01/20	dc			
Analysis Method: SM 2540 D-11 Batch: T098644										
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av			
Analysis Method: SM 4500-P E-11 Batch: T098615										
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans			



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-03 Sample ID: 20-115g			Collected: Received:	05/27/20 13:28 05/29/20 08:05		Matrix: Surface Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.031 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg		
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg		
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098640									
Total Kjeldahl Nitrogen	0.52 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098644									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

	20E0896-04 20-116g			Collected: Received:	05/27/20 13:3 05/29/20 08:0		Matrix: Surface Water			
PARAMETERS		RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOT	TAL .									
Analysis Metho Batch: To	od: EPA 200.8 Rev. 5.4 098626									
Phosphorus	•	0.028 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMIS	TRY									
Analysis Metho										
Total Inorgan	nic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMIS	TRY									
Analysis Metho Batch: To	od: EPA 300.0 Rev. 2.1 098622									
Nitrate as N		<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg		
Nitrite as N		<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg		
Analysis Metho	od: EPA 350.1 Rev. 2.0									
Ammonia as	N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Metho	od: EPA 351.2 Rev. 2.0									
Total Kjeldal	hl Nitrogen	0.52 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Metho										
Chlorophyll	Α	2.49 mg/m³	-100	1	05/29/20	ans	06/08/20	dc	N	
Pheophytin A	A	-1.25 mg/m³	-100	1	05/29/20	ans	06/08/20	dc	N	
Analysis Metho	od: SM 2540 D-11 098644									
Total Suspen	nded Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Metho	od: SM 4500-P E-11									
	nate as P	<0.010 mg/L	0.010	1	05/29/20		05/29/20			

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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-05 Sample ID: 20-117g			Collected: Received:		05/27/20 13:43 05/29/20 08:05		Matrix: Surface Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.026 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	05/31/20		06/01/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098665									
Ammonia as N	<0.010 mg/L	0.010	1	05/31/20	dc	06/01/20	dc		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098640									
Total Kjeldahl Nitrogen	<0.50 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098644									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-06 Sample ID: 20-118g			Collected: Received:	05/27/20 13:4 05/29/20 08:0		Matrix: Surface Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.030 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.52 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098644									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-07 Sample ID: 20-119g			Collected: Received:	05/27/20 13:53 05/29/20 08:05		Matrix: Surface Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.023 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.54 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098644									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-08 Sample ID: 20-120g			Collected: Received:	05/27/20 13: 05/29/20 08:		Matrix: Surface Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.021 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	<0.50 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098644									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-09 Sample ID: 20-121g	Date Collected: 05/27/20 14:20 Date Received: 05/29/20 08:05			Matrix: Surface Water					
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.026 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.52 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-10 Sample ID: 20-122g			Date Collected: 05/27/20 14:03 Date Received: 05/29/20 08:05				Matrix: Surface Water		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.020 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.58 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-11 Sample ID: 20-123g			Collected: Received:	05/27/20 14:1 05/29/20 08:0		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.018 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.54 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	0.011 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-12		Data (Collected:	05/27/20 14:3	RO	Matrix:	Surface	Water	
Sample ID: 20-124g			Received:	05/29/20 08:0		Mauix.	Suriace	vvaler	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.017 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	<0.50 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-13 Sample ID: 20-125g			Collected:	05/27/20 14:3 05/29/20 08:0		Matrix: Surface Water			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED		ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.020 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.52 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-14			Collected:	05/27/20 14:4		Matrix:	Surface	Water	
Sample ID: 20-126g		Date	Received:	05/29/20 08:0)5				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.018 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.58 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-15		Date (Collected:	05/27/20 14:5	51	Matrix:	Surface	Water	
Sample ID: 20-127g			Received:	05/29/20 08:0		Width.	Ouriace	water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.018 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098642									
Total Kjeldahl Nitrogen	0.63 mg/L	0.50	1	05/29/20	dc	06/01/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	1.960784	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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ANALYTICAL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

Trace ID: 20E0896-16 Sample ID: 20-128g			Collected: Received:	05/27/20 14:5 05/29/20 08:0		Matrix:	Surface	Water	
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	MCL
METALS, TOTAL									
Analysis Method: EPA 200.8 Rev. 5.4 Batch: T098626									
Phosphorus	0.017 mg/L	0.010	1	05/29/20	dlo	06/02/20	ckd		
WET CHEMISTRY									
Analysis Method: Calculation Batch: [CALC]									
Total Inorganic Nitrogen	<0.010 mg/L	0.010	5	06/02/20		06/02/20	rg	N	
WET CHEMISTRY									
Analysis Method: EPA 300.0 Rev. 2.1 Batch: T098622									
Nitrate as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Nitrite as N	<0.10 mg/L	0.10	5	05/29/20	rg	05/29/20	rg	504	
Analysis Method: EPA 350.1 Rev. 2.0 Batch: T098716									
Ammonia as N	<0.010 mg/L	0.010	1	06/02/20	ans	06/02/20	ans		
Analysis Method: EPA 351.2 Rev. 2.0 Batch: T098706									
Total Kjeldahl Nitrogen	<0.50 mg/L	0.50	1	06/02/20	dc	06/05/20	dc		
Analysis Method: SM 2540 D-11 Batch: T098628									
Total Suspended Solids	<10 mg/L	10	2	05/29/20	av	05/29/20	av		
Analysis Method: SM 4500-P E-11 Batch: T098615									
Orthophosphate as P	<0.010 mg/L	0.010	1	05/29/20	ans	05/29/20	ans		



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QUALITY CONTROL RESULTS

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098626 Analysis Description: Phosphorus, Total
QC Batch Method: EPA 200.2 Analysis Method: EPA 200.8 Rev. 5.4

METHOD BLANK: T098626-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Phosphorus	ma/l	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T098626-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Phosphorus	mg/L	0.0800	0.0872	109	85-115	

MATRIX SPIKE: T098626-MS1 Original: 20E0896-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Phosphorus	mg/L	0.0279	0.0800	0.114	107	70-130	

MATRIX SPIKE: T098626-MS2 Original: 20E0896-02

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Phoenhorus	ma/l	0.0301	0.0800	0.117	108	70-130	

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: [CALC] Analysis Description: Total Inorganic Nitrogen (individual components)
QC Batch Method: Analysis Method: Calculation

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098622 Analysis Description: Nitrate

QC Batch Method: IC Prep W Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T098622-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrate as N	mg/L	<0.10	0.10	
Nitrite as N	mg/L	<0.10	0.10	



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LABORATOR\	CONTROL	SAMPLE.	T098622-RS1
LABORATOR	CONTROL	JAIVIF LE.	1030022-031

Parameter	Units	Spi Coi		LCS Result	LCS % Rec	% Rec Limit	Notes
Nitrate as N	mg/L	1.0	00	1.06	106	90-110	
Nitrite as N	mg/L	1.0	00	1.06	106	90-110	
MATRIX SPIKE: T098622-MS1	Original:	20E0896-01	I				
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Nitrate as N	mg/L	0	1.00	1.03	103	80-120	
Nitrite as N	mg/L	0	1.00	1.05	105	80-120	
MATRIX SPIKE: T098622-MS2	Original:	20E0896-02	2				
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Nitrate as N	mg/L	0	1.00	1.01	101	80-120	
Nitrite as N	mg/L	0	1.00	1.04	104	80-120	
				Project ID: 20E08 Project ID: Indian			

QC Batch: T098665 Analysis Description: Nitrogen, Ammonia
QC Batch Method: EPA 350.1 Rev. 2.0 Analysis Method: EPA 350.1 Rev. 2.0

METHOD BLANK: T098665-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Ammonia as N	ma/l	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T098665-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Ammonia as N	ma/L	0.500	0.494	99	90-110	

MATRIX SPIKE: T098665-MS2 Original: 20E0896-05

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Ammonia as N	ma/L	0	0.500	0.529	106	90-110	

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098716 Analysis Description: Nitrogen, Ammonia
QC Batch Method: EPA 350.1 Rev. 2.0 Analysis Method: EPA 350.1 Rev. 2.0



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Parameter	Units			Blank Result	Reporting Limit		Notes
Ammonia as N	mg/L			<0.010	0.010		
LABORATORY CONTROL SAMP	LE: T098716-	-BS1					
Parameter	Units	Spil Cor		LCS Result	LCS % Rec	% Rec Limit	Notes
Ammonia as N	mg/L	0.50	00	0.503	101	90-110	
MATRIX SPIKE: T098716-MS1	Original:	20E0896-01					
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Ammonia as N	mg/L	0.00700	0.500	0.510	101	90-110	
MATRIX SPIKE: T098716-MS2	Original:	20E0896-02	!				
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Ammonia as N	mg/L	0.00700	0.500	0.497	98	90-110	
				Project ID: 20E08 Project ID: Indian			
00 B . I T000040							
QC Batch: T098640	0.0			<u>-</u>	Description: Total Kjelda		
QC Batch: 1098640 QC Batch Method: EPA 351.2 Rev.	2.0			<u>-</u>	s Description: Total Kjelda s Method: EPA 351.2 Re		
				<u>-</u>	•		
QC Batch Method: EPA 351.2 Rev.				<u>-</u>	s Method: EPA 351.2 Rev		Notes
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter	1			Analysis	Method: EPA 351.2 Rev		Notes
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter Total Kjeldahl Nitrogen	Units	-BS1		Analysis Analysis Blank Result	Reporting Limit		Notes
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter	Units mg/L LE: T098640-	- BS1 Spil		Analysis Analysis Blank Result	Reporting Limit	% Rec	
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter Total Kjeldahl Nitrogen LABORATORY CONTROL SAMP Parameter	Units	Spil	nc.	Analysis Blank Result <0.50	Reporting Limit 0.50	v. 2.0	Notes
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter Total Kjeldahl Nitrogen LABORATORY CONTROL SAMP	Units mg/L LE: T098640- Units	Spil Cor	nc. .0 Trace	Analysis Blank Result <0.50 LCS Result 10.7 Project ID: 20E08	Reporting Limit 0.50 LCS % Rec 107	% Rec Limit	
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter Total Kjeldahl Nitrogen LABORATORY CONTROL SAMP Parameter	Units mg/L LE: T098640- Units	Spil Cor	nc. .0 Trace	Blank Result <0.50 LCS Result 10.7 Project ID: 20E08 Project ID: Indian	Reporting Limit 0.50 LCS % Rec 107	% Rec Limit 90-110	
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter Total Kjeldahl Nitrogen LABORATORY CONTROL SAMP Parameter Total Kjeldahl Nitrogen	Units mg/L LE: T098640- Units mg/L	Spil Cor	nc. .0 Trace	Blank Result <0.50 LCS Result 10.7 Project ID: 20E08 Project ID: Indian Analysis	Reporting Limit 0.50 LCS % Rec 107	% Rec Limit 90-110	
QC Batch Method: EPA 351.2 Rev. METHOD BLANK: T098640-BLK1 Parameter Total Kjeldahl Nitrogen LABORATORY CONTROL SAMP Parameter Total Kjeldahl Nitrogen QC Batch: T098642	Units mg/L LE: T098640- Units mg/L	Spil Cor	nc. .0 Trace	Blank Result <0.50 LCS Result 10.7 Project ID: 20E08 Project ID: Indian Analysis	Reporting Limit 0.50 LCS % Rec 107	% Rec Limit 90-110	



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METHOD	BLANK:	T098642-BLK1
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Parameter	Units	Blank Result	Reporting Limit	Notes
Total Kjeldahl Nitrogen	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T098642-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Kjeldahl Nitrogen	mg/L	10.0	10.7	107	90-110	

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098706 Analysis Description: Total Kjeldahl Nitrogen
QC Batch Method: EPA 351.2 Rev. 2.0 Analysis Method: EPA 351.2 Rev. 2.0

METHOD BLANK: T098706-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Kjeldahl Nitrogen	mg/L	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T098706-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Kjeldahl Nitrogen	mg/L	10.0	9.27	93	90-110	

MATRIX SPIKE: T098706-MS1 Original: 20E0896-16

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Total Kjeldahl Nitrogen	mg/L	0	10.0	9.43	94	90-110	

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098635 Analysis Description: Chlorophyll A
QC Batch Method: SM 10200H Analysis Method: SM 10200H

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098628 Analysis Description: Total Suspended Solids

QC Batch Method: SM 2540 D-11 Analysis Method: SM 2540 D-11



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Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T098628-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	46.0	92	85-115	

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098644 Analysis Description: Total Suspended Solids
QC Batch Method: SM 2540 D-11 Analysis Method: SM 2540 D-11

METHOD BLANK: T098644-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T098644-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	50.0	45.0	90	85-115	

Trace Project ID: 20E0896 Client Project ID: Indian

QC Batch: T098615

QC Batch Method: SM 4500-P E-11

Analysis Description: Ortho Phosphorus

Analysis Method: SM 4500-P E-11

METHOD BLANK: T098615-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Orthophosphate as P	ma/l	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T098615-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Orthophosphate as P	mg/L	0.0250	0.0260	104	85-115	



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T098615-MSD1

Origina	l:	20)E0	89	6-01	
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Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Orthophosphate as P	mg/L	0	0.0250	0.0263	0.0269	105	108	85-115	2	20	



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ANALYTICAL LABORATORIES, INC. Bill To: Po#	1324 20-114 2 2 X X X X X X X X X X X X X X X X X
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Pleas	e Sigi	n		N n and	Z\$ S	pr Su	27 73	26	NS il 27m	Trace Date No. Collected	Project Name:	Standau 3 Day* 1 Day* 1 Day* *Results provid	Turnaroun	Email Address:	Office Phone:	City, State, Zip Code:	Mailing Address:	Report To:	Company Nam	Report Results To:	ANAL
1	W. C.	Released By		1456 20-1280	1451 20-	-	14.34 20-1250	1430 20-1248	27 May 20 /4/0 20-1	tte Time cted Collected	E TNOTAN	Satandard, 5-10 Days 3 Day* 1 Day* Results provided end of business day, requires prior approval.	Turnaround Requirements:			Code:	S:	Jenni B	Company Name: Respondential	ults To:	ANALYTICAL LABORATORIES, INC.
In executing t	4	Recei	 (128%	20-12-74	1260	1252	1245	20-1230	Client Sample ID		equires prior approval.			Cell Phone:	-	_		Lake Sciences		TORIES, INC.
nis Chain of Custody		Received By								ple ID		S = Soil / Solid W = Water SL = Sludge OI = Oil	Matrix Key:								Тга 22:4 Ми
y, the client acknowledges the terms	5/29/20 8:55 2)	Date		2 ×	2 ×	<i>∑</i> 2	2 ×	7-	2 K	Metals Field Filtered (Y / N) Matrix Number of Containers Cool HICI	Sampled By: BYKI	WI = Wipes LW = Liquid Waste A = Air D = Drinking Water		Billing Email Address:	Phone Number:	City, State, Zip Code:	Billing Address (if different):	Contact Name:	PO#:	Bill To:	Trace Analytical Laboratories, Inc. 2241 Black Creek Road Muskegon, MI 49444-2673
In executing this Chain of Custody, the client acknowledges the terms as set forth at www.trace-labs.com/terms-of-agi		Released By		× × ×	*	×	× ×	× ×	X X X X X X	HCI Preservation HNO, HASO, NAOH Other TRAN TIN TSS	P										nc. Phone 231.773.5998 Fax 888.979.4469 www.trace-labs.com
ns-of-agreement.		Received By								*Ch!- 9	. Le		Analysis Requested		Sampling Time:	MeOH L	Soil Volatiles Preserve	Checked By:	Logged By:	Trace Use:	200
		Date Tim								Remarks						Low Level Lab	Soil Volatiles Preserved (circle if applicable):	(-			Trace ID No.
		Time		5						narks Possible Hea	olth Ho	zorde?				Lab	applicable):		-		9



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Trace ID #:	20E0896	Date:	5/29/20	Package D	escription:	Ceoler	Temperature: 7.7	
Client Name:	20E0896 RLS		7. The second se	ne: 8:05		Logged in b		
			Coole	r Receipt	t.			
Coo	er/samples delivered b	y: T	race courier			_		
			nd delivered		e of delivery	·	ant	
			cial courier	 	FED	EXUS Ma	ail []	
	Tracking Numb		∑Not Applica	able				
COC Scale proc	ent and intact on coole		racking #: lot Applicable	No				
	ly seals signed by Clier		lot Applicable lo Ye		Yes	(if applicable):		
Oustoo	y seals signed by Chel			s Olletti cu	stody scal #	(п аррпсаые).		
			colort a	d Tompo	aturo.			
Type	of Coolant Used	l	coolant and	a rempera		omnoraturo		
						<i>r Temperature</i> ck Thermometer CF = -0.6°C		
						ter CF = -0.8°C		
Ice Packs/ Blue Ice : Representative Sample Temperatu							°C (check one below)	
	No Coolant Pres	sent:		Temp Bla	ank (Stick Th	ermometer)		
Ice still present up	on receipt (circle one):	.	Ľ	_	imple (IR The	125		
(Ye)	No	N/A	Melt Water	· nme	∠°C	(Use Digital Stick	Thermometer)	
,	*		G	neral				
			Yes I			Comm	ents	
All bottles arrived	unbroken with labels	in good cond	lition?			100000000000000000000000000000000000000	200	
Each	n sample point is in a s	ealed plastic	bag?					
		ed out compl		_			· · · · · · · · · · · · · · · · · · ·	
	oels agree with Chain o Sufficient sample to rur		20	- -			·	
	nples at correct pH and			-				
~	hemical preservative a		ا چې ا	ヺゖ゙゠			<u> </u>	
	Air bubbles al	bsent from V	OAs?				-	
	C filled out properly and		A ($\Box\Box$			·	
	signed in by TRACE s			닑늬 -				
vvas project	manager called and sa	mples discu	ssed?					
Notes:						*EMD pH Test Strips Used:		
						□ pH 0-2.5 □ pH 11.0-13.0 Lot: HC982588 □ Lot: HC600691		
						Other:		