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Analytical Report

Serialized: 07/03/2019 03:59pm QC21

GARY GUARINO
TOWNSHIP OF HOPEWELL
201 WASHINGTON CROSSING-PENNINGTON ROAD

TITUSVILLE,NJ 08560-1410

Regarding:
RICK HILLMAN
MERCER COUNTY VOCATIONAL SCHOOL - SYPEK
129 BULL RUN ROAD
PENNINGTON, NJ 08534

PROJECT ID:

W01628 MERCER COUNTY

LABORATORY REPORT NUMBER:

L7124684

Authorized by: Douglas J. Gump
Client Services Manager

Eurofins QC, LLC

Analytical Report

Printed 07/03/19 15:59 QC21

TOWNSHIP OF HOPEWELL
W01628 MERCER COUNTY
MERCER COUNTY VOCATIONAL SCHOOL - SYPEK
P.O. No:
Inv. No: 1981623
PWSID:

RICK HILLMAN
MERCER COUNTY VOCATIONAL SCHOOL - SYPEK
129 BULL RUN ROAD
PENNINGTON, NJ 08534

Regarding:
RICK HILLMAN
MERCER COUNTY VOCATIONAL SCHOOL - SYPEK
129 BULL RUN ROAD
PENNINGTON, NJ 08534

SAMPLE SUMMARY

Lab ID	Collected	Received	Matrix	Client ID
L7124684-1	06/17/19 08:20	06/17/19 13:05	WATER	KITCHEN SINK

PIN: 85365

Serial Number: 6522672

Eurofins QC, LLC

Analytical Report

Printed 07/03/19 15:59

Sample Description:	KITCHEN SINK		
Sample Number:	L7124684-1	Samp. Date/Time/Temp:	06/17/19 08:20am NA C
Matrix:	WATER	Sampled by:	Suzanne E. Hughes, Eurofins QC, LLC
Received Temp:	3.3 C	Iced (Y/N):	Y

ENVIRONMENTAL MICROBIOLOGY -- KITCHEN SINK

Analytical Method:	SM 9223B	Run Date:	06/18/19 11:14AM	Workgroup:	
Dilution:	1	Analyst:	RBK	File ID:	WM_LOGBOOK_SAT 96952 L7124684-1
Units:		Instrument:		Basis:	

Parameter	CAS	Result	MDL	RL*
Total Coliform, Colilert P/A	N/A	NEG	N/A	1
E. Coli, Colilert P/A	N/A	NEG	N/A	1

FIELD SERVICES -- KITCHEN SINK

Analytical Method:	SM 2550B	Run Date:	06/17/19 08:20AM	Workgroup:	
Dilution:		Analyst:	TAB	File ID:	
Units:	Deg. C	Instrument:		Basis:	

Parameter	CAS	Result	MDL	RL*
Field Temperature Celsius		22.1	N/A	0.5

Analytical Method:	SM 4500H+B	Run Date:	06/17/19 08:20AM	Workgroup:	
Dilution:	1	Analyst:	SEH	File ID:	
Units:	units	Instrument:		Basis:	

Parameter	CAS	Result	MDL	RL*
pH, field		7.41	N/A	0.010

--SUBCONTRACTED RESULT REFERENCES--KITCHEN SINK

See attached reports for the following Subcontract Laboratories:

Eurofins - Eaton Analytical, South Bend (EATONSB)
- HALOACETIC ACIDS BY METHOD 552

Eurofins - Lancaster Laboratories, Environmental (ELLE)
- ALKALINITY: to pH 4.5
- CALCIUM
- COPPER
- EPA METHOD 524.2 THMS ONLY
- LEAD
- TOTAL DISSOLVED SOLIDS

Sample Comments | Result Qualifiers:

L7124684-1 :
Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no Coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 col/100ml" or "NEG" for the Coliform Test. If your

*=This limit was used in the evaluation of the final result.

PIN: 85365 Serial Number: 6522672

report indicates a positive result "POS" or a value of one (1) or greater, then your supply is "UNSAFE FOR DRINKING" contact your local Health Department.

*=This limit was used in the evaluation of the final result.

PIN: 85365 Serial Number: 6522672

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DEFINITIONS

The following terms or abbreviations are used in this report: ***Eurofins QC, LLC (EQC)***

<	Less than: In conjunction with a numerical value, indicates a concentration less than RL / MDL
>	Greater than: In conjunction with a numerical value, indicates a concentration greater than RL / MDL
CFU	Colony Forming Unit
DF	Dilution Factor (For Microbiology, DF = volume of sample tested)
DRY	Result was reported on a dry weight basis
MCL	EPA recommended "Maximum Contaminant Level"
MDL	Method Detection Limit
MF	Membrane Filtration
MPN	Most Probable Number
ND	For odor test: No Odor Observed
ND	For all other tests: Analyte concentration Not Detected greater than the RL / MDL

NEG	Negative / Absent
NTU	Nephelometric Turbidity Units
POS	Positive / Present
PPB (µg/L)	Parts per billion: equivalent to 1 microgram per kilogram (µg/Kg) for solids or one microgram per liter (µg/L) for aqueous samples
PPM (mg/L)	Parts per million: equivalent to 1 milligram per kilogram (mg/Kg) for solids or one milligram per liter (mg/L) for aqueous samples
PRES	Presumptive
QUAL	Qualifier (Q)
RL	Laboratory Reporting Limit or Limit of Quantitation (LOQ)
TNTC	Too Numerous To Count
TON	Threshold Odor Number

Data Qualifiers

J	Estimated value ≥ MDL, but < RL
T	Temperature exceedance at receipt, refer to Sample Comments / Results Qualifiers section
E	Estimated CFU count (Microbiology)
Q	Qualifier defined in Sample Comment section on report

Warranties, Terms, and Conditions

- Unless otherwise indicated in the Parameter field, analyses for environmental microbiology, odor, and pharmaceutical microbiology are performed at the EQC Horsham Facility (702 Electronic Dr. Horsham, PA 19044).
- Analyses for Field Parameters are performed by EQC Field staff. Locations and certifications are identified on the Chain of Custody as follows:
  - "ERF" = field staff performs tests under NJ State certification # 02015.
  - "VL" = field staff performs tests under NJ State certification # 06005.
  - "WG" = field staff performs tests under NJ State certification # PA001.
- Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.
- The report shall not be reproduced, except in full, without the written consent of the laboratory.
- All samples are collected as "grab" samples unless otherwise identified.
- Reported results relate only to the sample as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.
- EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance. EQC's internet program "LIVE ACCESS" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.
- The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry), Amanda Berd (Pharmaceutical Microbiology), and Bhavita Shah (Water Microbiology).

EQC Accreditations

Horsham Facility	NELAP/State IDs-	PA: 46-05499 NJ: PA093 NY: 12080 MD: 357
East Rutherford Facility	State ID-	NJ: 02015
Vineland Facility	State ID-	NJ: 06005
Wind Gap Facility	State ID-	NJ: PA001

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LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-18-12
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 03/14/2019

eurofins | Eaton Analytical

110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: QC Inc.

Attn: Nicki Smith
702 Electronic Drive
Horsham, PA 19044

Report: 456188
Priority: Standard Written
Status: Final
PWS ID: Not Supplied

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4332187	L7124684-1	552.2	06/17/19 08:20	Client	06/21/19 08:30

Report Summary

Note: Sample container was provided by the client.

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Jim Vernon at (574) 233-4777.

Authorized Signature | Title | 06/28/2019 Date

Client Name: QC Inc.
Report #: 456188

Client Name: QC Inc.

Report #: 456188

Sampling Point: L7124684-1

PWS ID: Not Supplied

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	06/25/19 08:24	06/26/19 12:33	4332187
79-43-6	Dichloroacetic acid	552.2	---	1.0	**4.7**	ug/L	06/25/19 08:24	06/26/19 12:33	4332187
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	06/25/19 08:24	06/26/19 12:33	4332187
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	06/25/19 08:24	06/26/19 12:33	4332187
76-03-9	Trichloroacetic acid	552.2	---	1.0	**14**	ug/L	06/25/19 08:24	06/26/19 12:33	4332187
---	Total HAA5	552.2	60 *	2.0	**18.7**	ug/L	06/25/19 08:24	06/26/19 12:33	4332187

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

EATON 375044

456188

EUROFINS QC, LLC
702 Electronic Dr.
Horsham, PA 19044
Contact: Nicki Smith x3360
Phone: 215-355-3900
FAX: 215-392-0626

Bill to:

Horsham, PA 19044

EUROFINS QC, INC.
SUBCONTRACT CHAIN OF CUSTODY - EATONSB
Jun 17 2019, 02:35 pm

PWSID:

Sample ID	Number of Containers											Sampled Date and Time	Tier
State: NJ	Total	H2SO4	HCl	AscAc	HNO3	NaOH	ZnAc	Unpre	Bact	NaThio	Other NH_4Cl		
L7124684-1 KITCHEN SINK	1										1	06/17/19 08:20 AM	
06/29/19 WATER HAA 4332187													

Client Provided Sample Container

Package Type: _____

FINAL REPORT DUE: _____

Relinquished By	Date	Time
	6/20/19	1700

Received By	Date	Time
FedEx	6/20/19	1700
	6/21/19	0830

Comments:
1.2°C

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Eurofins QC Laboratories
702 Electronic Drive
Horsham PA 19044

Report Date: June 27, 2019 15:31

Project: L7124684

Account #: 26093
Group Number: 2049282
State of Sample Origin: NJ

Electronic Copy To Eurofins QC Laboratories Attn: Nicki Smith

SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
L7124684-1 Drinking Water	06/17/2019 08:20	1082506

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,

Wendy A. Kozma
Principal Specialist Group Leader

To view our laboratory's current scopes of accreditation please go to https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/ . Historical copies may be requested through your project manager.

Sample Description: L7124684-1 Drinking Water
KITCHEN SINK

Project Name: L7124684

Submittal Date/Time: 06/17/2019 19:15
Collection Date/Time: 06/17/2019 08:20

Eurofins QC Laboratories
ELLE Sample #: PW 1082506
ELLE Group #: 2049282
Matrix: Drinking Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	MCL	Dilution Factor
GC/MS Volatiles		**EPA 524.2**		ug/l	ug/l	ug/l	ug/l	
03648	Bromodichloromethane		75-27-4	9.9	0.1	0.5		1
03648	Bromoform		75-25-2	N.D.	0.2	0.5		1
03648	Chloroform		67-66-3	43	0.1	0.5		1
03648	Dibromochloromethane		124-48-1	2.5	0.1	0.5		1
Metals		**EPA 200.7 rev 4.4**		mg/l	mg/l	mg/l	mg/l	
01750	Calcium		7440-70-2	27.5	0.0333	0.505		1
		EPA 200.8 rev 5.4		mg/l	mg/l	mg/l	mg/l	
06033	Copper		7440-50-8	0.0330	0.0099	0.0101	1.3	1
	The action level for copper in the lead and copper rule is 1.3 mg/l.							
06035	Lead		7439-92-1	N.D.	0.00067	0.0010	.015	1
	The Lead and Copper Rule establishes a 15 ppb (0.015 mg/l) lead action limit for public water systems. This is based on a 1 liter sample size. The EPA recommends a limit of 20 ppb (0.02 mg/l) lead in school systems, based on a 250 ml sample size.							
Wet Chemistry		**SM 2320 B-2011**		mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5		n.a.	47.6	2.6	8.0		1
		SM 2540 C-2011		mg/l	mg/l	mg/l	mg/l	
00212	Total Dissolved Solids		n.a.	151	10.0	30.0	500	1
	Total dissolved solids is a measure of residue remaining when a filtered water sample is evaporated. The Environmental Protection Agency (EPA) has established a secondary guideline of 500 mg/l total dissolved solids for drinking water.							

Sample Comments

State of New Jersey Lab Certification No. PA011

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	K191762AA	06/26/2019 06:22	Hu Yang	1
01750	Calcium	EPA 200.7 rev 4.4	1	191700528101	06/19/2019 11:26	Kevin Litwa	1
06033	Copper	EPA 200.8 rev 5.4	1	191700605102A	06/21/2019 18:31	Bradley M Berlot	1
06035	Lead	EPA 200.8 rev 5.4	1	191700605102A	06/21/2019 18:31	Bradley M Berlot	1
05281	ICP Undigested Prep	EPA 200.7 rev 4.4	1	191700528101	06/19/2019 08:42	James L Mertz	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	191700605102	06/19/2019 10:30	Denise L Trimby	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	19170005202A	06/19/2019 20:46	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	19171921201A	06/20/2019 13:54	Angelica Cintron	1

*=This limit was used in the evaluation of the final result
Shaded result = The results or reporting limit exceeded the client-provided MCL.

2049202

EUROFINS QC, LLC
702 Electronic Drive
Horsham, PA 19044
Contact: Nicki Smith x3360
Phone: 215-355-3900
FAX: 215-392-0626

Bill to:

Horsham, PA 19044

EUROFINS QC, INC.
LANCASTER (ELLE) CHAIN OF CUSTODY
Jun 17 2019, 02:36 pm

PWSID:

Sample ID	Analysis	Number of Containers											Sampled Date and Time	Tier
State: NJ		Total	H2SO4	HCl	AscAc	HNO3	NaOH	ZnAc	Unpre	Bact	NaThio	Other		
L7124684-1 KITCHEN SINK		6			1	1			1				06/17/19 08:20 AM	
06/28/19 WATER	524.2 THMS													
06/28/19 WATER	CA													
06/28/19 WATER	CU													
06/28/19 WATER	MO ALK													
06/28/19 WATER	PB													
06/28/19 WATER	TDS													

Moisture? _____

E-Account Number: 26093 TOWNSHIP OF HOPEWELL CS REP: INACTIVE

Package Type:

Relinquished By	Date	Time
[signature]	6/17/19	1520

Received By	Date	Time
GTG	6/17/19	1522
[signature]	6/17/19	1915

Comments:
See L7135421-2 TB

2049202

EQC Eurofins QC, LLC

Picksheet: P7124684
Cust: W01628 MERCER COUNTY
Schd: 54167

Expected: MONDAY 06/03/19 - 06/30/19
Project Name: MERCER COUNTY VOCATIONAL SCHOOL - SYPEK
Start Date: 05/30/18 Stop Date:

RICK HILLMAN
MERCER COUNTY VOCATIONAL SCHOOL - SYPEK
129 BULL RUN ROAD

PENNINGTON, NJ 08534
(609)228-9910

Comments/Schedule Details:
SAMPLES TO BE COLLECTED MONDAY OR THURSDAY ONLY BETWEEN 9AM-4PM * SUBMIT ONE QT UNPRES, 1/2 NITRIC, 3 ASC VIALS, HAA JAR, BACTI

LAB USE ONLY

		Bottle Type
#_____	Ascorbic/HCL Vials	#_____ HCL Vials
#_____	NA2S2O3	
#_____	NaOH/Zn acetate pH	
#_____	HNO3 pH	
#_____	H2SO4 pH	
#_____	NaOH pH	
#_____	Unpreserved	
#_____	HCL	
#_____	NH4CL	
#_____	MEOH	
#_____	Na2SO3/HCL	
#_____	DI Water	

Route: 6 SUE HUGHES

PWSID:

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L
7124684-1 KITCHEN sink 05-SAMP FLD, 524.2 THMS, CA, COLI/E CCLI COL P/A, CU, FLD TEMP C, HAA, METAL PREP, MO ALK, PB, PH FLD, TDS			X	X	061719	0820	8		7.41 / 22.1		

FIELD WORK CODE: 05-5-ADF

Cooler ID:

Sample Collected By	Circle One	Initials
	Client EQC	SEH

Required TAT: Standard ___/Rush___# Days ____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
Agnes Hughes	1305	06/17/19 SEH		1305	6/17/19	3.3°	Y	EQL	SEH
				1915	6/17/19	2.1	Y	EQL	

Comments (reporting, methods, etc)

TB SEH 061719

Hazardous Y/N

M: 09:00-16:00 T: - W: - Th: 09:00-16:00 F: - St: - Sn: - Printed: 05/22/19 GPS X: _____ Y: _____
M: - T: - W: - Th: - F: - St: - Sn: -
PM:

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 251713

Group Number(s): 2049202

Client: EQCL

Delivery and Receipt Information

Delivery Method:	QC Labs	Arrival Timestamp:	06/17/2019 19:15
Number of Packages:	1	Number of Projects:	8

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Katherine Metzger (2241) at 21:51 on 06/17/2019

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-03	2.1	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T 717-656-2300
F 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report
B	Detection in the Blank
Q0	LCS/LCSD Low
Q1	LCS/LCSD High
Q2	MS/MSD Low
Q3	MS/MSD High
Q7	LCS/LCSD RPD
Q8	DUP RPD
Q9	MS/MSD RPD

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.