

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: (626) 386-1100  
Fax: (866) 988-3757  
1 800 566 LABS (1 800 566 5227)

## Laboratory Report

for

Rocky Harvest, LLC  
181 Rear Brook Street  
Plympton, MA 02367  
Attention: (664) Water Quality Manager -  
Plympton, MA

Date of Issue  
05/23/2022

*Rachelle Arada*  
EUROFINS EATON  
ANALYTICAL, LLC

L6NW: Rachelle Arada  
Project Manager

Report: 993558  
Project: 664-RKY  
Group: NY Annual



Utah ELCP CA00006

\* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.

\* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.

\* As applicable, this report consists of the cover page, State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms.

\* Test results relate only to the sample(s) tested.

\* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).

\* This report shall not be reproduced except in full, without the written approval of the laboratory.

\* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

## STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	NE-OS-21-13
Arkansas	CA00006	Nevada	CA00006
California	2813	New Hampshire *	2959
Colorado	CA00006	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	CA00006
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	21-008R	Ohio - 537.1	87786
Hawaii	CA00006	Oregon *	4034
Idaho	CA00006	Pennsylvania *	68-00565
Illinois	200033	Puerto Rico	CA00006
Indiana	C-CA-01	Rhode Island	LAO00326
Iowa – Asbestos	413	South Carolina	87016
Kansas *	E-10268	South Dakota	CA11320
Kentucky	90107	Tennessee	TN02839
Louisiana *	LA008	Texas *	T104704230-20-18
Maine	CA00006	Utah (Primary AB) *	CA00006
Maryland	224	Vermont	VT0114
Marianas Islands	MP0004	Virginia *	460260
Massachusetts	M-CA006	Washington	C838
Michigan	9906	EPA Region 5	CA00006
Mississippi	CA00006	Los Angeles County Sanitation Districts	10264

\* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2917 Accredited Method List

The test listed below are accredited and met the requirements of ISO/IEC 17025 as verify by A2LA.

Refer to our certificates and scope of accreditations (no. 5890-1 and 5890-2) found at:

<https://www.eurofinsus.com/Eaton>

Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x	
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	x	
Legionella	Legiolert®	x	
Pseudomonas aeruginosa	Idexx Pseudalart	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x	
Total Microcystins and Nodularins	EPA 546	X	
Yeast and Mold	SM 9610	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x	
1,4-Dioxane	EPA 522	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x	
Acrylamide	+ LCMS 2440)	x	
Algal Toxins/Microcystin	+ LCMS 3570	x	
Alkalinity	SM 2320B	x	x
Ammonia	EPA 350.1, SM 4500-NH3 H		x
Asbestos	EPA 100.2	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x
BOD/CBOD	SM 5210 B		x
Bromate	+ LCMS- 2447	x	
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x	
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x	
Color	SM2120B	x	
Conductivity	EPA 120.1, SM 2510B	x	x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x	
Cyanide (Amenable)	SM 4500-CN G	x	x
Cyanide (Free)	SM 4500CN F	x	x
Cyanide (Total)	EPA 335.4	x	x
Cyanogen Chloride (Screen)	+ 335 Mod (WC-24467)	x	
Diquat and Paraquat	EPA 549.2	x	
DBP and HAA	SM 6251 B	x	
Dissolved Organic Carbon	SM 5310 C	x	
Dissolved Oxygen	SM 4500-O G		x
EDB/DCBP/TCP	EPA 504.1	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	+ WC-2454	x	
Endothall	EPA 548.1, +(LCMS-2445)	x	
Fluoride	SM 4500F C	x	x
Glyphosate	EPA 547	x	
Glyphosate and AMPA	+ LCMS-3618	x	
Gross Alpha and Gross Beta	EPA 900.0	x	x

Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	x	x
Hexavalent Chromium	EPA 218.6,	x	x
Hexavalent Chromium	EPA 218.7,	x	
Hexavalent Chromium	SM 3500-Cr B		x
Inorganic Anions and DBPs	EPA 300.0	x	x
Norganic Anions and DBPs	EPA 300.1	x	
Kjeldahl Nitrogen	EPA 351.2		x
Metals	EPA 200.7, EPA200.8	x	x
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Odor	SM2150B	x	
Organohalide Pesticides and PCB	EPA 505	x	
Ortho Phosphate	SM 4500P E	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Perchlorate	EPA 331.0	x	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
PPCP and EDC	+ LCMS-2443	x	
pH	EPA 150.1 SM 4500-H+ B	x	x
Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
Phenylurea Pesticides/Herbicides	+ LCMS-2448	x	
Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Radon-222	SM 7500RN	x	
Residue (Filterable)	SM 2540C	x	x
Residue (Non-Filterable)	SM 2540D		x
Residue (Total)	SM 2540B		x
Residue (Volatile)	EPA 160.4		x
Semi-Volatile Compounds	EPA 525.2	x	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		x
Sulfite	SM 4500-SO3 B	x	x
Surfactants	SM 5540C	x	x
Taste and Odor	SM 6040 E	x	
Total Organic Carbon	SM 5310 C	x	x
Total Phenols	EPA 420.1		x
Total Phenols	EPA 420.4	x	x
Triazine Pesticides and their Degradates	+ LCMS-3617	x	
Turbidity	EPA 180.1	x	x
Uranium by ICP/MS	EPA 200.8	x	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	x	
VOCs	+(GCMS 2412) by EPA 524.2 modified	x	

(\* ) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.

(+ ) In-House Method

### Acknowledgement of Samples Received

Addr: **Rocky Harvest, LLC**  
 181 Rear Brook Street  
 Plympton, MA 02367

Client ID: CDI  
 Folder #: 993558  
 Project: 664-RKY  
 Sample Group: NY Annual

Attn: (664) Water Quality Manager - Plympton, MA  
 Phone:

Project Manager: Rachele Arada  
 Phone: 626-386-1106

The following samples were received from you on **March 17, 2022 at 1418**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

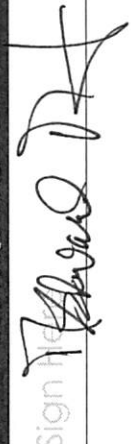

Sample #	Sample ID	Sample Date																								
202203170434	664-038 Harvest Spring-Treated	03/16/2022 0900																								
	<table border="1"> <tr> <td>@RA226 GA</td> <td>@RA228 GA</td> <td>@505</td> </tr> <tr> <td>@515.4</td> <td>@ANIONS28</td> <td>@ANIONS48</td> </tr> <tr> <td>@ICP</td> <td>@ICPMS</td> <td>@VOA</td> </tr> <tr> <td>Alkalinity in CaCO3 units</td> <td>Apparent Color</td> <td>Bicarb.Alkalinity as HCO3,calc</td> </tr> <tr> <td>Bromate by UV/VIS</td> <td>Fluoride</td> <td>Langelier Index - 25 degree</td> </tr> <tr> <td>Mercury ICPMS</td> <td>Odor at 60 C (TON)</td> <td>PH (H3=past HT not compliant)</td> </tr> <tr> <td>Total Dissolved Solid (TDS)</td> <td>Total Hardness as CaCO3 by ICP</td> <td>Turbidity</td> </tr> <tr> <td>@RADEDD</td> <td>Freight Return - NY Annual</td> <td></td> </tr> </table>	@RA226 GA	@RA228 GA	@505	@515.4	@ANIONS28	@ANIONS48	@ICP	@ICPMS	@VOA	Alkalinity in CaCO3 units	Apparent Color	Bicarb.Alkalinity as HCO3,calc	Bromate by UV/VIS	Fluoride	Langelier Index - 25 degree	Mercury ICPMS	Odor at 60 C (TON)	PH (H3=past HT not compliant)	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP	Turbidity	@RADEDD	Freight Return - NY Annual		
@RA226 GA	@RA228 GA	@505																								
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Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP	Turbidity																								
@RADEDD	Freight Return - NY Annual																									
202203170435	Trip Blanks- HOLD	03/16/2022 0900																								
	@VOASDWA TB																									

### Test Description

- @RA226 GA -- Radium 226
- @RA228 GA -- Radium 228
- @505 -- Organochlorine Pesticides/PCBs
- @515.4 -- Chlorophenoxy Herbicides
- @ANIONS28 -- Chloride, Sulfate by EPA 300.0
- @ANIONS48 -- Nitrate, Nitrite by EPA 300.0
- @ICP -- ICP Metals
- @ICPMS -- ICPMS Metals
- @VOA -- Volatile Organics by GCMS
- @RADEDD -- Gross Alpha/Beta Radiation (Sub)
- @VOASDWA TB -- Volatile Organics by GCMS

# CHAIN OF CUSTODY RECORD

\*664-038-13\*

<b>INVOICE TO/SEND ORIGINAL REPORT TO:</b> <b>Compliance</b> <b>Designs</b> 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	<b>CLIENT NAME TO APPEAR ON REPORT:</b> Rocky Harvest, LLC 743 Broad Street, Unit #1 East Weymouth MA 02189	<b>LAB USED:</b> Eurofins (MWH Labs)	<b>ORDER #</b> 993558  <b>TURNAROUND TIME:</b> STIND/BUT ASAP PWS #: 4240006-016
<b>PROJECT NAME:</b> 2022 NY Annual		<b>PROJECT #:</b> 664	
SAMPLE NUMBER	DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION AND PRODUCTION CODE	ANALYSIS REQUIRED
664-038	3/16/2022 <small>Date &amp; Time</small> 9:00	Harvest Spring-Treated	NY CMPL-Metals, Inorganics, <u>C.O.T.</u> MD EPA 524, 505, 515, Bromate, Gr. A & B, Rad 226/228
		trip blanks	2
<b>SAMPLER'S SIGNATURE:</b> BELOW:		<b>PLEASE PRINT</b> COMPLIANCE CRITERIA:	
Sign Here: 		ACCEPTED BY: 	
DATE/TIME: 3/16/2022 <small>Date &amp; Time</small>		DATE/TIME: 3/17/22 1418	
<b>RELINQUISHED BY</b>			<b>NOTES TO LABORATORY</b> REPORT TO MA 4044005



# INTERNAL CHAIN OF CUSTODY RECORD

Eaton Analytical

IEEA Folder Number: 993588

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, list the ASMS know. ASMS will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID # 401A (Observation = 5.7 °C) (Corr. Factor -0.3 °C) (Final = 5.5 °C)

TYPE OF ICE: Real  Synthetic  No Ice  Frozen  Partially Frozen  Thawed  N/A

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: \_\_\_\_\_

Compliance Acceptance Criteria: 5491 4039 2857

- 1) Chemistry: >0, ≤6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)
- 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)
- 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation = _____ °C) (Corr. Factor _____ °C) (Final = _____ °C)	2 = (Observation = _____ °C) (Corr. Factor _____ °C) (Final = _____ °C)
3 = (Observation = _____ °C) (Corr. Factor _____ °C) (Final = _____ °C)	4 = (Observation = _____ °C) (Corr. Factor _____ °C) (Final = _____ °C)

4 Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)

5) pH Check. Manufacturer: \_\_\_\_\_ Lot Number: \_\_\_\_\_ pH strip type: 0 - 14 or \_\_\_\_\_ Expiration Date: \_\_\_\_\_ Results: \_\_\_\_\_

6) Chlorine check. Manufacturer: Sansafe. Lot No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_ Results:

7) Headspace:  No Samples with Headspace:  Samples with Headspace (see below):

Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)  
Exempt from headspace concerns: Methods 515-4, HAA(6251,652), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

Samp ID	Bottle #	None/<6	>6mm	Test	Samp ID	Bottle #	None/<6	>6mm	Test
DW55	2								
	1								

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): \_\_\_\_\_

RECEIVED BY: <u>Michelle D</u>	PRINT NAME	COMPANY/TITLE	DATE	TIME
	Michelle D	Eurofins Eaton Analytical	3/17/22	1418
SAMPLES CHECKED AGAINST COG BY: _____	PRINT NAME	COMPANY/TITLE	DATE	TIME
		Eurofins Eaton Analytical		

750 Royal Oaks Drive, Suite 100  
 Monrovia, California 91016-3629  
 (626) 386-1100 FAX (866) 988-3757

Created Date & Time: 3/2/2022 3:50:16PM

**Note: Sampler Please return this paper with your samples**

Kit #: 314201 

Client ID: CDI 

Created By: Brienne Aceves - [X9DJ]  
 Deliver By: 03/09/2022  
 STG: Bottle Orders

Project Code: 664-RKY Bottle Orders  
 Group Name: NY Annual  
 PO#/JOB#:

Description: 038

Ice Type: G

**Ship Sample Kits to**  
 Harvest Spring  
 743 Broad Street, Unit 1  
 East Weymouth, MA 02189  
 Attn: Ed Rose  
 Phone: 781-749-4849

**Send Report to**  
 Rocky Harvest, LLC  
 181 Rear Brook Street  
 Plympton, MA 02367  
 Attn: (664) Water Quality Manager -  
 Plympton, MA

**Billing Address**  
 Compliance Designs, Inc.  
 159 South Stark Highway  
 Weare, NH 27539  
 Attn: Nicki Ovens

# of Sample Tests	Bottle Qty - Type [ preservative information ]	Total	UN DOT #
1	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3=past HT not compliant) <b>MD</b>	1	
1	Apparent Color, Odor at 60 C. (TON), Turbidity <b>MD</b>	1	
1	@RA226 GA	3	UN2031
1	@RA228 GA	3	UN2031
1	@ICP, Mercury ICPMS	1	UN2031
1	@505	4	
1	@VOA	4	UN1789
1	@VOASDWA TB	2	UN1789
1	@ICPMS	1	UN2031
1	@900	2	UN2031
1	Total Dissolved Solid (TDS)	1	
1	@515.4	4	
1	Bromate by UVMIS	1	
1	1 - RETURN AIRBILL [ no preservative ]	1	
<b>Sum Tests: 14</b>		<b>Sum Bottles: 29</b>	

**Comments**  
 SHIPPING: Please send CDI COC, Sampling Instructins, and Rerturn Airbill

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Report Date: 05/19/2022

Client: Rocky Harvest, LLC  
181 Rear Brook Street  
Plympton, MA 02367

Attention: (664) Water Quality Manager - Plympton, MA

Parameter	Method	Reporting Limit	Result
<b>Sample ID: 664-038 Harvest Spring-Treated</b>			<b>Sample #: 202203170434</b>
<b>Primary Inorganics</b>			
Antimony, Total, ICAP/MS	EPA 200.8	0.001	ND
Arsenic, Total, ICAP/MS	EPA 200.8	0.002	ND
Barium, Total, ICAP/MS	EPA 200.8	0.002	0.0067
Cadmium, Total, ICAP/MS	EPA 200.8	0.0005	ND
Chromium, Total, ICAP/MS	EPA 200.8	0.005	ND
Fluoride	SM 4500F-C	0.05	ND
Lead, Total, ICAP/MS	EPA 200.8	0.0005	ND
Mercury	EPA 200.8	0.0002	ND
Nickel, Total, ICAP/MS	EPA 200.8	0.005	ND
Nitrate as Nitrogen by IC	EPA 300.0	0.05	0.71
Nitrite, Nitrogen by IC	EPA 300.0	0.05	ND
Total Nitrate and Nitrite	EPA 300.0	0.05	0.71
Selenium, Total, ICAP/MS	EPA 200.8	0.005	ND
<b>Secondary Inorganics</b>			
Alkalinity in CaCO3 units	SM 2320B	2	21
Bicarb.Alkalinity as HCO3,calc	SM2330B	2	26
Calcium, Total, ICAP	EPA 200.7	1	6.4
Chloride	EPA 300.0	0.5	11
Copper, Total, ICAP/MS	EPA 200.8	0.002	ND
Corrosivity, Units	SM 2330B	-14	-2.5
Hardness, Total	SM 2340B	3	26
Iron, Total, ICAP	EPA 200.7	0.01	ND
Magnesium, Total, ICAP	EPA 200.7	0.1	2.4
Manganese, Total, ICAP/MS	EPA 200.8	0.002	0.012
pH (units)	SM4500-HB	0.1	6.7
Silver, Total, ICAP/MS	EPA 200.8	0.0005	ND
Sodium, Total, ICAP	EPA 200.7	1	8.9
Sulfate	EPA 300.0	0.5	8.4
Total Dissolved Solids (TDS)	E160.1/SM2540C	10	80
Zinc, Total, ICAP/MS	EPA 200.8	0.02	ND

**Physical**

All results reported in milligrams per liter unless otherwise noted.  
ND - Not detected at the specified limit



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Parameter	Method	Reporting Limit	Result
<b>Sample ID: 664-038 Harvest Spring-Treated</b>			<b>Sample #: 202203170434</b>
Color (ACU)	SM 2120B	3	ND
Odor at 60C (TON)	SM 2150B	1	ND
Turbidity (NTU)	EPA 180.1	0.1	ND
<b>Volatile Organic Compounds</b>			
Benzene	EPA 524.2	0.0005	ND
Bromobenzene	EPA 524.2	0.0005	ND
Bromochloromethane	EPA 524.2	0.0005	ND
Bromodichloromethane	EPA 524.2	0.0005	ND
Bromoform	EPA 524.2	0.0005	ND
Bromomethane	EPA 524.2	0.0005	ND
n-Butylbenzene	EPA 524.2	0.0005	ND
sec-Butylbenzene	EPA 524.2	0.0005	ND
tert-Butylbenzene	EPA 524.2	0.0005	ND
Carbon Tetrachloride	EPA 524.2	0.0005	ND
Chlorobenzene	EPA 524.2	0.0005	ND
Chloroethane	EPA 524.2	0.0005	ND
Chloroform (Trichloromethane)	EPA 524.2	0.0005	ND
Chloromethane(Methyl Chloride)	EPA 524.2	0.0005	ND
2-Chlorotoluene	EPA 524.2	0.0005	ND
4-Chlorotoluene	EPA 524.2	0.0005	ND
Chlorodibromomethane	EPA 524.2	0.0005	ND
Dibromomethane	EPA 524.2	0.0005	ND
1,2-Dichlorobenzene (1,2-DCB)	EPA 524.2	0.0005	ND
1,3-Dichlorobenzene	EPA 524.2	0.0005	ND
1,4-Dichlorobenzene	EPA 524.2	0.0005	ND
Dichlorodifluoromethane	EPA 524.2	0.0005	ND
1,1-Dichloroethane	EPA 524.2	0.0005	ND
1,2-Dichloroethane	EPA 524.2	0.0005	ND
1,1-Dichloroethylene	EPA 524.2	0.0005	ND
cis-1,2-Dichloroethylene	EPA 524.2	0.0005	ND
trans-1,2-Dichloroethylene	EPA 524.2	0.0005	ND
1,2-Dichloropropane	EPA 524.2	0.0005	ND
1,3-Dichloropropane	EPA 524.2	0.0005	ND
2,2-Dichloropropane	EPA 524.2	0.0005	ND

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ND - Not detected at the specified limit

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Attention: (664) Water Quality Manager - Plympton, MA

Parameter	Method	Reporting Limit	Result
<b>Sample ID: 664-038 Harvest Spring-Treated</b>			<b>Sample #: 202203170434</b>
1,1-Dichloropropene	EPA 524.2	0.0005	ND
cis-1,3-Dichloropropene	EPA 524.2	0.0005	ND
trans-1,3-Dichloropropene	EPA 524.2	0.0005	ND
Di-Isopropyl ether	EPA 524.2	0.003	ND
Ethyl benzene	EPA 524.2	0.0005	ND
Hexachlorobutadiene	EPA 524.2	0.0005	ND
Isopropylbenzene	EPA 524.2	0.0005	ND
4-Isopropyltoluene	EPA 524.2	0.0005	ND
4-Methyl-2-Pentanone (MIBK)	EPA 524.2	0.005	ND
Methyl Tert-butyl ether (MTBE)	EPA 524.2	0.0005	ND
Methyl Ethyl Ketone (MEK)	EPA 524.2	0.005	ND
Methylene Chloride (Dichloromethane)	EPA 524.2	0.0005	ND
Naphthalene	EPA 524.2	0.0005	ND
n-Propylbenzene	EPA 524.2	0.0005	ND
Styrene	EPA 524.2	0.0005	ND
Tert-Amyl Methyl Ether (TAME)	EPA 524.2	0.003	ND
Tert-Butyl Ethyl Ether (TBEE)	EPA 524.2	0.003	ND
1,1,1,2-Tetrachloroethane	EPA 524.2	0.0005	ND
1,1,2,2-Tetrachloroethane	EPA 524.2	0.0005	ND
Tetrachloroethylene (PCE)	EPA 524.2	0.0005	ND
Toluene	EPA 524.2	0.0005	ND
1,2,3-Trichlorobenzene	EPA 524.2	0.0005	ND
1,2,4-Trichlorobenzene	EPA 524.2	0.0005	ND
1,1,1-Trichloroethane	EPA 524.2	0.0005	ND
1,1,2-Trichloroethane	EPA 524.2	0.0005	ND
Trichloroethylene (TCE)	EPA 524.2	0.0005	ND
Trichlorofluoromethane (Freon 11)	EPA 524.2	0.0005	ND
Trichlorotrifluoroethane(Freon 113)	EPA 524.2	0.0005	ND
1,2,3-Trichloropropane	EPA 524.2	0.0005	ND
1,2,4-Trimethylbenzene	EPA 524.2	0.0005	ND
1,3,5-Trimethylbenzene	EPA 524.2	0.0005	ND
Vinyl chloride (VC)	EPA 524.2	0.0003	ND
Total xylenes	EPA 524.2	0.0005	ND
m,p-Xylenes	EPA 524.2	0.0005	ND
o-Xylene	EPA 524.2	0.0005	ND

All results reported in milligrams per liter unless otherwise noted.  
ND - Not detected at the specified limit

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: (626) 386-1100  
Fax: (866) 988-3757  
1 800 566 LABS (1 800 566 5227)

Report Date: 05/19/2022

Client: Rocky Harvest, LLC  
181 Rear Brook Street  
Plympton, MA 02367

Attention: (664) Water Quality Manager - Plympton, MA

Parameter	Method	Reporting Limit	Result
<b>Sample ID: 664-038 Harvest Spring-Treated</b>			<b>Sample #: 202203170434</b>
Carbon Disulfide	EPA 524.2	0.0005	ND
<b>Pesticides and PCBs</b>			
Alachlor (Alanex)	EPA 505	0.0001	ND
Aldrin	EPA 505	0.00001	ND
Chlordane	EPA 505	0.0001	ND
Dieldrin	EPA 505	0.00001	ND
Endrin	EPA 505	0.00001	ND
Heptachlor	EPA 505	0.00001	ND
Heptachlor Epoxide	EPA 505	0.00001	ND
Lindane (gamma-BHC)	EPA 505	0.00001	ND
Methoxychlor	EPA 505	0.00005	ND
Total PCBs	EPA 505	0.0001	ND
PCB 1016 Aroclor	EPA 505	0.00008	ND
PCB 1221 Aroclor	EPA 505	0.0001	ND
PCB 1232 Aroclor	EPA 505	0.0001	ND
PCB 1242 Aroclor	EPA 505	0.0001	ND
PCB 1248 Aroclor	EPA 505	0.0001	ND
PCB 1254 Aroclor	EPA 505	0.0001	ND
PCB 1260 Aroclor	EPA 505	0.0001	ND
Toxaphene	EPA 505	0.0005	ND
<b>Herbicides</b>			
2,4,5-T	EPA 515.4	0.0002	ND
2,4,5-TP (Silvex)	EPA 515.4	0.0002	ND
2,4-D	EPA 515.4	0.0001	ND
2,4-DB	EPA 515.4	0.002	ND
Dichlorprop	EPA 515.4	0.0005	ND
Acifluorfen	EPA 515.4	0.0002	ND
Bentazon	EPA 515.4	0.0005	ND
Dalapon	EPA 515.4	0.001	ND
3,5-Dichlorobenzoic acid	EPA 515.4	0.0005	ND
Tot DCPA Mono&Diacid Degradate	EPA 515.4	0.0001	ND
Dicamba	EPA 515.4	0.0001	ND
Dinoseb	EPA 515.4	0.0002	ND

All results reported in milligrams per liter unless otherwise noted.  
ND - Not detected at the specified limit

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Monrovia, California 91016-3629  
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Fax: (866) 988-3757  
1 800 566 LABS (1 800 566 5227)

Report Date: 05/19/2022

Client: Rocky Harvest, LLC  
181 Rear Brook Street  
Plympton, MA 02367

Attention: (664) Water Quality Manager - Plympton, MA

Parameter	Method	Reporting Limit	Result
<b>Sample ID: 664-038 Harvest Spring-Treated</b>		<b>Sample #: 202203170434</b>	
Pentachlorophenol	EPA 515.4	0.00004	ND
Picloram	EPA 515.4	0.0001	ND
<b>Disinfection By-products</b>			
Bromate	EPA 317	0.005	ND
Total Trihalomethanes	EPA 524.2	0.0005	ND
<b>Other Compounds</b>			
Gross Alpha (Subbed), pCi/L	EPA 900.0	1.93	ND
Gross Beta (Subbed), pCi/L	EPA 900.0	1.49	ND
Radium 226, pCi/L	Ra-226 GA	1	ND
Radium 228, pCi/L	RA-228 GA	1	ND

Tel: (626) 386-1100  
Fax: (866) 988-3757  
1 800 566 LABS (1 800 566 5227)

**Laboratory Comments**

**Report:** 993558  
**Project:** 664-RKY  
**Group:** NY Annual

Rocky Harvest, LLC  
(664) Water Quality Manager - Plympton, MA  
181 Rear Brook Street  
Plympton, MA 02367

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**Client Specific Comments**

Report format not TNI (The NELAC Institute) Standard compliant, but is in client specific format.

**Folder Comments**

Results for Gross Alpha and Beta are submitted by Pace Analytical Services

May 18, 2022

Ms. Jaclyn L. Contreras  
Eurofins Eaton Analytical, LLC  
750 Royal Oaks Drive, 100  
Monrovia, CA 910163629

RE: Project: PACE PA 993558  
Pace Project No.: 30484104

Dear Ms. Contreras:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Karen L. Smetanka  
karen.smetanka@pacelabs.com  
(724)850-5600  
Project Manager

Enclosures

cc: Yolanda Martin, Eurofins Eaton Analytical, LLC  
Mr. Aleksandar D. Tomovich, Eurofins Eaton Analytical,  
LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: PACE PA 993558  
Pace Project No.: 30484104

### **Pace Analytical Services Pennsylvania**

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601  
ANAB DOD-ELAP Rad Accreditation #: L2417  
Alabama Certification #: 41590  
Arizona Certification #: AZ0734  
Arkansas Certification  
California Certification #: 04222CA  
Colorado Certification #: PA01547  
Connecticut Certification #: PH-0694  
Delaware Certification  
EPA Region 4 DW Rad  
Florida/TNI Certification #: E87683  
Georgia Certification #: C040  
Florida: Cert E871149 SEKS WET  
Guam Certification  
Hawaii Certification  
Idaho Certification  
Illinois Certification  
Indiana Certification  
Iowa Certification #: 391  
Kansas/TNI Certification #: E-10358  
Kentucky Certification #: KY90133  
KY WW Permit #: KY0098221  
KY WW Permit #: KY0000221  
Louisiana DHH/TNI Certification #: LA180012  
Louisiana DEQ/TNI Certification #: 4086  
Maine Certification #: 2017020  
Maryland Certification #: 308  
Massachusetts Certification #: M-PA1457  
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235  
Montana Certification #: Cert0082  
Nebraska Certification #: NE-OS-29-14  
Nevada Certification #: PA014572018-1  
New Hampshire/TNI Certification #: 297617  
New Jersey/TNI Certification #: PA051  
New Mexico Certification #: PA01457  
New York/TNI Certification #: 10888  
North Carolina Certification #: 42706  
North Dakota Certification #: R-190  
Ohio EPA Rad Approval: #41249  
Oregon/TNI Certification #: PA200002-010  
Pennsylvania/TNI Certification #: 65-00282  
Puerto Rico Certification #: PA01457  
Rhode Island Certification #: 65-00282  
South Dakota Certification  
Tennessee Certification #: 02867  
Texas/TNI Certification #: T104704188-17-3  
Utah/TNI Certification #: PA014572017-9  
USDA Soil Permit #: P330-17-00091  
Vermont Dept. of Health: ID# VT-0282  
Virgin Island/PADEP Certification  
Virginia/VELAP Certification #: 460198  
Washington Certification #: C868  
West Virginia DEP Certification #: 143  
West Virginia DHHR Certification #: 9964C  
Wisconsin Approve List for Rad  
Wyoming Certification #: 8TMS-L

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: PACE PA 993558  
Pace Project No.: 30484104

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30484104001	202203170434	Drinking Water	03/16/22 09:00	04/23/22 10:30

### REPORT OF LABORATORY ANALYSIS

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**SAMPLE ANALYTE COUNT**

Project: PACE PA 993558

Pace Project No.: 30484104

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30484104001	202203170434	EPA 900.0	ERT	2	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

**REPORT OF LABORATORY ANALYSIS**

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## PROJECT NARRATIVE

Project: PACE PA 993558

Pace Project No.: 30484104

---

**Method:** EPA 900.0

**Description:** 900.0 Gross Alpha/Beta

**Client:** Eurofins Eaton Analytical

**Date:** May 18, 2022

**General Information:**

1 sample was analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: PACE PA 993558

Pace Project No.: 30484104

**Sample: 202203170434**      **Lab ID: 30484104001**      Collected: 03/16/22 09:00      Received: 04/23/22 10:30      Matrix: Drinking Water  
PWS:      Site ID:      Sample Type:

Comments: • Preservative not listed on COC.  
• Sampler's name and signature not on COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Gross Alpha	EPA 900.0	<b>-0.443 ± 0.496 (1.93)</b> <b>C:NA T:NA</b>	pCi/L	05/13/22 08:12	12587-46-1	
Gross Beta	EPA 900.0	<b>0.399 ± 0.647 (1.49)</b> <b>C:NA T:NA</b>	pCi/L	05/13/22 08:12	12587-47-2	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL - RADIOCHEMISTRY

Project: PACE PA 993558

Pace Project No.: 30484104

QC Batch: 500657

Analysis Method: EPA 900.0

QC Batch Method: EPA 900.0

Analysis Description: 900.0 Gross Alpha/Beta

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30484104001

METHOD BLANK: 2423418

Matrix: Water

Associated Lab Samples: 30484104001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	-0.279 ± 0.465 (1.55) C:NA T:NA	pCi/L	05/13/22 08:10	
Gross Beta	-0.420 ± 0.590 (1.66) C:NA T:NA	pCi/L	05/13/22 08:10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: PACE PA 993558  
Pace Project No.: 30484104

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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Submittal Form


\*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers/ Report & Invoice must have the Folder # 993558 Job # 1000014

Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report. Results must have Complete data & QC with Approval Signature.

Provide in each: Report the Specified State Certification # and Exp Date for requested tests + matrix. Samples from: MASSACHUSETTS

Reports: Jackie Contreras Sub-Contracting Administrator  
EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com  
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016  
Phone (626) 386-1165 Fax (626) 386-1122  
Invoices to: Eurofins Eaton Analytical, LLC  
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605



WO#: 30484104  


 Eaton Analytical  
Ship To:  
PACE Analytical Services, Inc.  
1638 Roseytown Road, Suite 2  
Suite 2  
Greensburg, PA 15601  
Phone: 724-850-5600 Fax: 724-850-5601

Folder #: 993558  
Report Due: 04/14/2022

Sample ID: 202203170434  
Sample type: Client Sample ID for reference on/ 664-038 Harvest Spring-Treated  
Sample Event: Sample Event:  
Facility ID: Sample Point ID:  
Prep Method: Analysis Requested: Gross Alpha/Beta Radiation (Sub)  
Clip Code: PWSID: JGS  
Static ID:

Method: EPA 900.0  
Prep Method: Analysis Requested: Gross Alpha/Beta Radiation (Sub)

Relinquished by:  Sample Control Date: 04/11/22 Time: 9:17  
Received by:  Sample Control Date: 4/23/22 Time: 10:30  
Relinquished by: Sample Control Date: Time:  
Received by: Sample Control Date: Time:  
Page 1 of 1  
750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton  
NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS  
An Acknowledgement of Receipt is requested to latin Jackie Contreras



Pace Greensburg Lab -Sample Container Count

304841004

Client Evans-Eaton

Profile Number 554

Site 993558

Notes

BP2N

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFLU	WGKU	ZPLC
1	DN																											
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Container Codes

Glass	
GJN	1 Gallon Jug with HNO3
AG5U	100mL amber glass unpreserved
AG5T	100mL amber glass Na Thiosulfate
GJN	1 Gallon Jug
AG1S	1L amber glass H2SO4
AG1H	1L amber glass HCl
AG1T	1L amber glass Na Thiosulfate
BG1U	1L clear glass unpreserved
AG3S	250mL amber glass H2SO4
AG3U	250mL amber glass unpreserved
DG9S	40mL amber VOA vial H2SO4
VG9U	40mL clear VOA vial
VG9T	40mL clear VOA vial Na Thiosul
VG9H	40mL clear VOA vial HCl
JGFLU	4oz amber wide jar
WGFLU	4oz wide jar unpreserved
BG2U	500mL clear glass unpreserved
AG2U	500mL amber glass unpreserved
WGKU	8oz wide jar unpreserved

Plastic / Misc.	
GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NaOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved
EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag
WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: Eurofins Eaton

Project # 30484104

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: 517 5702 0810

Label	<u>HC</u>
LIMS Login	<u>VP</u>

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Thermometer Used na Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp \_\_\_\_\_ °C Correction Factor: \_\_\_\_\_ °C Final Temp: \_\_\_\_\_ °C

Temp should be above freezing to 6°C

pH paper Lot# 1002811 Date and Initials of person examining contents: HC 4/27/22

Comments:

	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>			1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>			2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>			3.
Sampler Name & Signature on COC:		<input checked="" type="checkbox"/>		4.
Sample Labels match COC:	<input checked="" type="checkbox"/>			5.
-Includes date/time/ID Matrix: <u>DW</u>				
Samples Arrived within Hold-Time:	<input checked="" type="checkbox"/>			6.
Short Hold Time Analysis (<72hr remaining):		<input checked="" type="checkbox"/>		7.
Rush Turn Around Time Requested:		<input checked="" type="checkbox"/>		8.
Sufficient Volume:	<input checked="" type="checkbox"/>			9.
Correct Containers Used:	<input checked="" type="checkbox"/>			10.
-Pace Containers Used:		<input checked="" type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>			11.
Orthophosphate field filtered			<input checked="" type="checkbox"/>	12.
Hex Cr Aqueous sample field filtered			<input checked="" type="checkbox"/>	13.
Organic Samples checked for dechlorination:			<input checked="" type="checkbox"/>	14.
Filtered volume received for Dissolved tests			<input checked="" type="checkbox"/>	15.
All containers have been checked for preservation.	<input checked="" type="checkbox"/>			16. <u>ph &lt; 2</u>
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix				
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>			Initial when completed: <u>HC</u> Date/time of preservation: _____
				Lot # of added preservative: _____
Headspace in VOA Vials (>6mm):			<input checked="" type="checkbox"/>	17.
Trip Blank Present:			<input checked="" type="checkbox"/>	18.
Trip Blank Custody Seals Present			<input checked="" type="checkbox"/>	
Rad Samples Screened < 0.5 mrem/hr	<input checked="" type="checkbox"/>			Initial when completed: <u>HC</u> Date: <u>4/27/22</u> Survey Meter SN: <u>1563</u>

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted By: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)  
 \*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.



# Quality Control Sample Performance Assessment



Test: Gross Alpha and Gross Beta  
 Analyst: ERT  
 Date: 5/2/2022  
 Batch ID: 66407  
 Matrix: DW

Method Blank Assessment	Gross Alpha	Gross Beta
MB Sample ID	2423418	
MB concentration:	-0.279	-0.420
MB 2 Sigma CSU:	0.465	0.590
MB MDC:	1.551	1.661
MB Numerical Performance Indicator:	-1.18	-1.39
MB Status vs Numerical Indicator:	NA	NA
MB Status vs. MDC:	Pass	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)	N	Gross Alpha	Gross Beta
Count Date:	5/13/2022			
Spike ID:	21-047	5/13/2022		
Spike Concentration (pCi/mL):	29.847	21-015GB		
Volume Used (mL):	0.100	64.623		
Aliquot Volume (L, g, F):	0.201	0.100		
Target Conc. (pCi/L, g, F):	14.813	0.201		
Uncertainty (Calculated):	0.267	32.073		
Result (pCi/L, g, F):	13.903	0.154		
LCSD 2 Sigma CU (pCi/L, g, F):	3.022	31.090		
Numerical Performance Indicator:	-0.39	2.777		
Percent Recovery:	93.86%	96.94%		
Status vs Numerical Indicator:	NA	NA		
Status vs Recovery:	Pass	Pass		
Upper % Recovery Limits:	121.00%	130.00%		
Lower % Recovery Limits:	69.00%	79.00%		

Duplicate Sample Assessment	Sample I.D.	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	30483245002	
Sample Result (pCi/L, g, F):	-0.099	
Sample Duplicate Result (pCi/L, g, F):	0.829	
Sample Duplicate Result 2 Sigma CU (pCi/L, g, F):	1.039	
Are sample and/or duplicate results below MDC?	See Below ##	
Duplicate Numerical Performance Indicator:	-1.396	
Duplicate RPD:	252.98%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Fail***	
% RPD Limit:	34.00%	

## Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

\*\*\*Batch must be re-prepared to unacceptable precision. N/A  
 LAMS 5/13/22

Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Sample Matrix Spike Control Assessment	Gross Alpha	Gross Beta	Gross Alpha	Gross Beta
Sample Collection Date:	4/25/2022			
Sample I.D.	30483245002			
Sample MS I.D.	30483245002MS			
Sample MSD I.D.				
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	21-047	21-015GB		
Spike Volume Used in MS (mL):	29.847	64.700		
Spike Volume Used in MSD (mL):	0.20	0.20		
MS Aliquot (L, g, F):	0.203	0.203		
MS Target Conc. (pCi/L, g, F):	29.376	63.678		
MSD Aliquot (L, g, F):				
MSD Target Conc. (pCi/L, g, F):				
Spike uncertainty (calculated):	0.529	0.306		
Spike Duplicate uncertainty (calculated):				
Sample Result:	-0.099	0.011		
Sample Result 2 Sigma CU (pCi/L, g, F):	0.829	0.764		
Sample Matrix Spike Result:	27.843	68.928		
Sample Matrix Spike Duplicate Result:	4.129	4.021		
Matrix Spike Result 2 Sigma CU (pCi/L, g, F):				
Sample Matrix Spike Duplicate Result 2 Sigma CU (pCi/L, g, F):				
MS Numerical Performance Indicator:	-0.662	2.502		
MSD Numerical Performance Indicator:				
MS Percent Recovery:	95.12%	108.23%		
MS Status vs Numerical Indicator:	Pass	Warning		
MSD Status vs Numerical Indicator:	Pass	Pass		
MS/MSD Upper % Recovery Limits:	135.00%	130.00%		
MS/MSD Lower % Recovery Limits:	55.00%	79.00%		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	Sample I.D.	Sample MS I.D.	Sample MSD I.D.
Sample I.D.	30483245002		
Sample MS I.D.	30483245002MS		
Sample MSD I.D.			
Matrix Spike Result 2 Sigma CU (pCi/L, g, F):			
Sample Matrix Spike Duplicate Result 2 Sigma CU (pCi/L, g, F):			
Duplicate Numerical Performance Indicator:			
(Based on the MS / MSD Recoveries) MS / MSD Duplicate RPD:			
MS / MSD Duplicate Status vs Numerical Indicator:			
MS / MSD Duplicate Status vs RPD:			
% RPD Limit:			

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