



Donny Juarez
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
USA

WP-342  **Final Report**

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 07/17/2023

Close Date: 08/31/2023

Report Issued Date: 09/05/2023



A Waters Company

September 5, 2023

Donny Juarez
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601

Enclosed is your final report for ERA's WP-342 WatR™ Pollution Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WP-342 WatR™ Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) table the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the table and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT table, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (Quik™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have many years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be useful in helping you work through your technical issues.

Thank you for your participation in ERA's WP-342 WatR™ Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

A handwritten signature in black ink, appearing to read "C Huff", with a horizontal line extending to the right.

Craig Huff
Senior Technical Manager

attachments





A Waters Company

Report Recipient	Contact/Phone Number	Reporting Type
ANAB	Zaneta Popovska / 414-501-5341	All Analytes
Florida	Vanessa Soto / 904-791-1599	All Analytes
New Mexico (WP)	Jason Martinez / 505-372-8376	All Analytes
North Dakota	Cynthia Auen / 701-328-6172	All Analytes
Texas	Frank Jamison / (512) 239-3754	All Analytes

WP-342 Definitions & Study Discussion

Study Dates: 07/17/2023 - 08/31/2023

Report Issued: 09/05/2023

WP Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current TNI Fields of Proficiency Testing (FoPT) table. A parameter not added to the standard is given an Assigned Value of "< PTRL" per the guidelines contained in the 2016 TNI Standard. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards.

The Acceptance Limits are established per the criteria contained in the most current TNI FoPT table or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

- Acceptable = Reported Value falls within the Acceptance Limits.
- Not Acceptable = Reported Value falls outside the Acceptance Limits.
- No Evaluation = Reported Value cannot be evaluated.
- Not Reported = No Value reported.

The Method Description is the method the laboratory reported to ERA.

WP Study Discussion

ERA's WP-342 WatR™Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2016 TNI Standard and the criteria contained in the most current TNI Fields of Proficiency Testing (FoPT) table.

ERA's WP-342 WatR™Pollution study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the 2016 TNI Standard and the criteria contained in the most current TNI FoPT table.

All activities associated with this proficiency testing study were performed by Waters/ERA with the exception of those noted below. The following physical samples/products were manufactured for Waters/ERA by a subcontractor:

Microbiology products with the following catalog numbers:
880, 935, 079, 077, 080, 595, 595A, 576, 576A

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's WP-342 WatR™Pollution study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™Pollution Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





A Waters Company

WP-342 Laboratory Exception Report

Donny Juarez
Quality Assurance Manager
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
307-235-0515 x3244

EPA ID: WY00002
ERA Customer Number: E772828
Report Issued: 09/05/2023
Study Dates: 07/17/2023 - 08/31/2023

Not Acceptable Evaluations

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
------------------	---------	-------	----------------	----------------	-------------------	------------------------	--------------------

WP Solids (cat# 241, lot# P342-499)

1960	Total Suspended Solids	mg/L	95.7	60.0	47.6 - 67.9	Not Acceptable	SM 2540 D-2015 2015
------	------------------------	------	------	------	-------------	----------------	---------------------



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com



Study # : WP-342



Final Report Results For Laboratory Energy Laboratories

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

Study # : WP-342





Final Evaluation Report

Study: **WP-342**

ERA Customer Number: **E772828**

Laboratory Name: **Energy Laboratories**

Inorganic Results

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

Study # : WP-342





WP-342 Final Evaluation Report

A Waters Company

Donny Juarez
Quality Assurance Manager
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
307-235-0515 x3244

EPA ID:
ERA Customer Number:
Report Issued:
Study Dates:

WY00002
E772828
09/05/2023
07/17/2023 - 08/31/2023

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
------------------	---------	-------	----------------	----------------	-------------------	------------------------	--------------------	---------------	---------	------------	--------------------------	--------------

WP Minerals (cat# 581, lot# P342-506)

1505	Alkalinity as CaCO3	mg/L	89.8	87.8	74.6 - 101	Acceptable	SM2320B 22nd ED 2011	7/28/2023	0.494	88.2	3.28	slf
1575	Chloride	mg/L	50.7	50.9	44.1 - 57.8	Acceptable	EPA 300.0 2.1 1993	8/7/2023	-0.0692	50.8	1.43	slf
1610	Conductivity at 25°C	µmhos/cm	375	370	333 - 407	Acceptable	SM2510B 22nd ED 2011	7/27/2023	0.203	373	10.6	tsa
1730	Fluoride	mg/L	1.92	2.01	1.60 - 2.35	Acceptable	EPA 300.0 2.1 1993	8/7/2023	-0.634	2.00	0.126	slf
1125	Potassium	mg/L		15.8	12.6 - 19.0	Not Reported				16.0	0.823	
1155	Sodium	mg/L		72.7	58.2 - 87.2	Not Reported				72.8	4.61	
2000	Sulfate	mg/L	14.3	14.3	10.9 - 16.9	Acceptable	EPA 300.0 2.1 1993	8/7/2023	0.172	14.2	0.711	slf
1955	Total Dissolved Solids at 180°C	mg/L		310	265 - 355	Not Reported				300	19.4	
1950	Total Solids at 105°C	mg/L		326	281 - 371	Not Reported				321	18.6	

WP Minerals (cat# 581, lot# P342-506)

1505	Alkalinity as CaCO3	mg/L		87.8	74.6 - 101	Not Reported				88.2	3.28	
1575	Chloride	mg/L		50.9	44.1 - 57.8	Not Reported				50.8	1.43	
1610	Conductivity at 25°C	µmhos/cm		370	333 - 407	Not Reported				373	10.6	
1730	Fluoride	mg/L	2.13	2.01	1.60 - 2.35	Acceptable	SM4500F- C 22nd ED 2011	8/8/2023	1.03	2.00	0.126	dmb
1125	Potassium	mg/L		15.8	12.6 - 19.0	Not Reported				16.0	0.823	
1155	Sodium	mg/L		72.7	58.2 - 87.2	Not Reported				72.8	4.61	
2000	Sulfate	mg/L		14.3	10.9 - 16.9	Not Reported				14.2	0.711	
1955	Total Dissolved Solids at 180°C	mg/L		310	265 - 355	Not Reported				300	19.4	
1950	Total Solids at 105°C	mg/L		326	281 - 371	Not Reported				321	18.6	

WP pH (cat# 577, lot# P342-977)

1900	pH	S.U.	9.58	9.53	9.33 - 9.73	Acceptable	SM4500H+ B 22nd ED 2011	7/27/2023	0.646	9.52	0.0926	tsa
------	----	------	------	------	-------------	------------	-------------------------	-----------	-------	------	--------	-----

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.





WP-342 Final Evaluation Report

A Waters Company

Donny Juarez
Quality Assurance Manager
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
307-235-0515 x3244

EPA ID:
EPA Customer Number:
Report Issued:
Study Dates:

WY00002
E772828
09/05/2023
07/17/2023 - 08/31/2023

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
------------------	---------	-------	----------------	----------------	-------------------	------------------------	--------------------	---------------	---------	------------	--------------------------	--------------

WP Solids (cat# 241, lot# P342-499)

1960	Total Suspended Solids	mg/L	95.7	60.0	47.6 - 67.9	Not Acceptable	SM 2540 D-2015 2015	7/27/2023	17.2	59.2	2.12	tsa
1955	Total Dissolved Solids at 180°C	mg/L	479	474	427 - 521	Acceptable	SM2540C 23rd ED 2015	7/27/2023	1.13	465	12.0	tsa
1950	Total Solids at 105°C	mg/L		550	495 - 605	Not Reported				540	17.3	

WP Simple Nutrients (cat# 584, lot# P342-505)

1515	Ammonia as N	mg/L	5	5.45	4.24 - 6.69	Acceptable	EPA 350.1 2 1993	8/8/2023	-1.52	5.45	0.295	slf
1820	Nitrate + Nitrite as N	mg/L	4.52	4.22	3.44 - 4.97	Acceptable	EPA 353.2 2 1993	8/7/2023	1.40	4.20	0.230	slf
1810	Nitrate as N	mg/L	4.52	4.22	3.38 - 5.04	Acceptable	EPA 353.2 (calc)	8/11/2023	1.59	4.19	0.209	dmb
1870	ortho-Phosphate as P	mg/L	2.56	2.62	2.23 - 3.01	Acceptable	EPA 365.1 2 1993	7/27/2023	-0.704	2.65	0.129	dmb
1827	Total Nitrogen	mg/L		9.67	5.52 - 13.8	Not Reported				9.67	0.309	

WP Complex Nutrients (cat# 579, lot# P342-525)

1795	Total Kjeldahl Nitrogen	mg/L		14.0	10.4 - 17.2	Not Reported				13.9	0.541	
1910	Total phosphorus as P	mg/L	1.7	1.87	1.51 - 2.23	Acceptable	EPA 365.1 2 1993	8/10/2023	-1.80	1.86	0.0916	slf

WP Nitrite (cat# 888, lot# P342-770)

1840	Nitrite as N	mg/L	0.479	0.486	0.354 - 0.614	Acceptable	SM4500NO2- B 22nd ED 2011	8/10/2023	-0.0509	0.481	0.0314	slf
------	--------------	------	-------	-------	---------------	------------	---------------------------	-----------	---------	-------	--------	-----

WP Demand (cat# 578, lot# P342-516)

1530	BOD	mg/L	70	72.4	38.4 - 106	Acceptable	SM 5210 B-2016 2016	8/9/2023	-0.500	73.9	7.74	say
1555	CBOD	mg/L	71.8	65.6	29.9 - 101	Acceptable	SM 5210 B-2016 2016	8/9/2023	0.330	67.3	13.5	say
1565	COD	mg/L		117	90.6 - 139	Not Reported				114	6.19	
2040	TOC	mg/L	42.9	46.3	38.5 - 53.8	Acceptable	EPA 9060A 2004	8/21/2023	-1.63	46.1	1.98	say



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com



Study # : WP-342



A Waters Company

WP-342 Final Evaluation Report

Donny Juarez
Quality Assurance Manager
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
307-235-0515 x3244

EPA ID:
EPA Customer Number:
Report Issued:
Study Dates:

WY00002
E772828
09/05/2023
07/17/2023 - 08/31/2023

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
------------------	---------	-------	----------------	----------------	-------------------	------------------------	--------------------	---------------	---------	------------	--------------------------	--------------

WP Demand (cat# 578, lot# P342-516)

1530	BOD	mg/L		72.4	38.4 - 106	Not Reported				73.9	7.74	
1555	CBOD	mg/L		65.6	29.9 - 101	Not Reported				67.3	13.5	
1565	COD	mg/L		117	90.6 - 139	Not Reported				114	6.19	
2040	TOC	mg/L	43.6	46.3	38.5 - 53.8	Acceptable	SM 5310 C-2014 2014	8/22/2023	-1.28	46.1	1.98	say

WP Oil & Grease (cat# 582, lot# P342-518)

1803	n-Hexane Extractable Material(O&G)(Grav)	mg/L	140	137	99.7 - 157	Acceptable	EPA 1664A 1999	8/10/2023	0.793	128	15.1	
1803	n-Hexane Extractable Material(O&G)(IR)	mg/L		169	125 - 192	Not Reported				99.0	48.8	

WP Hexavalent Chromium (cat# 898, lot# P342-984)

1045	Hexavalent Chromium	µg/L	265	242	200 - 282	Acceptable	SM3500Cr B 22nd ED 2011	8/22/2023	2.00	240	12.3	slf
------	---------------------	------	-----	-----	-----------	------------	-------------------------	-----------	------	-----	------	-----

WP Sulfide (cat# 891, lot# P342-071)

2005	Sulfide	mg/L	4.96	6.16	2.75 - 8.89	Acceptable	SM 4500-S2 F-2011 2011	8/9/2023	0.0140	4.95	0.700	slf
------	---------	------	------	------	-------------	------------	------------------------	----------	--------	------	-------	-----

WP Sulfide (cat# 891, lot# P342-071)

2005	Sulfide	mg/L	5.02	6.16	2.75 - 8.89	Acceptable	SM 4500-S2 D-2011 2011	8/9/2023	0.0996	4.95	0.700	slf
------	---------	------	------	------	-------------	------------	------------------------	----------	--------	------	-------	-----

WP Acidity (cat# 885, lot# P342-915)

1500	Acidity as CaCO3	mg/L	1685	1710	1540 - 1880	Acceptable	SM2310B 22nd ED 2011	8/11/2023	0.237	1670	56.1	slf
------	------------------	------	------	------	-------------	------------	----------------------	-----------	-------	------	------	-----

WP Bromide (cat# 887, lot# P342-769)

1540	Bromide	mg/L	4.12	4.61	3.78 - 5.43	Acceptable	EPA 300.0 2.1 1993	8/15/2023	-1.51	4.71	0.392	slf
------	---------	------	------	------	-------------	------------	--------------------	-----------	-------	------	-------	-----



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com



Study #: WP-342

Final Evaluation Report

Study: **WP-342**

ERA Customer Number: **E772828**

Laboratory Name: **Energy Laboratories**

Microbiology Results

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

Study # : WP-342





A Waters Company

WP-342 Final Evaluation Report

Donny Juarez
Quality Assurance Manager
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
307-235-0515 x3244

EPA ID:
ERA Customer Number:
Report Issued:
Study Dates:

WY00002
E772828
09/05/2023
07/17/2023 - 08/31/2023

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
------------------	---------	-------	----------------	----------------	-------------------	------------------------	--------------------	---------------	---------	------------	--------------------------	--------------

WP WasteWatR™ Coliform MicrobE™ (cat# 576, lot# P342-083)

2500	Total Coliforms (MF)	CFU/100mL		460	272 - 775	Not Reported				460	83.8	
2530	Fecal Coliforms (MF)	CFU/100mL		227	80.0 - 646	Not Reported				227	94.4	
2525	E.coli (MF)	CFU/100mL		293	70.0 - 1230	Not Reported				293	193	
2500	Total Coliform (MPN-Multiple Well)	MPN/100mL	687	656	287 - 1500	Acceptable	SM9223 COL118QT 23rd ED 2016	8/7/2023	0.165	656	203	
2530	Fecal Coliform (MPN-Multiple Well)	MPN/100mL	387	379	134 - 1070	Acceptable	Colilert®-18 (Fecal Coliforms) 2010	8/7/2023	0.0612	379	156	
2525	E.coli (MPN-Multiple Well)	MPN/100mL	687	661	309 - 1420	Acceptable	SM9223 COL118QT 23rd ED 2016	8/7/2023	0.152	661	184	

WP WasteWatR™ Coliform MicrobE™ (cat# 576, lot# P342-083)

2500	Total Coliforms (MF)	CFU/100mL		460	272 - 775	Not Reported				460	83.8	
2530	Fecal Coliforms (MF)	CFU/100mL		227	80.0 - 646	Not Reported				227	94.4	
2525	E.coli (MF)	CFU/100mL		293	70.0 - 1230	Not Reported				293	193	
2500	Total Coliform (MPN-Multiple Well)	MPN/100mL	866	656	287 - 1500	Acceptable	SM9223 COLertQT 23rd ED 2016	8/7/2023	1.00	656	203	
2530	Fecal Coliform (MPN-Multiple Well)	MPN/100mL		379	134 - 1070	Not Reported				379	156	
2525	E.coli (MPN-Multiple Well)	MPN/100mL	866	661	309 - 1420	Acceptable	SM9223 COLertQT 23rd ED 2016	8/7/2023	1.06	661	184	



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.



Final Evaluation Report

Study: **WP-342**

ERA Customer Number: **E772828**

Laboratory Name: **Energy Laboratories**

Organic Results

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

Study # : WP-342





A Waters Company

WP-342 Final Evaluation Report

Donny Juarez
Quality Assurance Manager
Energy Laboratories
2393 Salt Creek Hwy
Casper, WY 82601
307-235-0515 x3244

EPA ID:
ERA Customer Number:
Report Issued:
Study Dates:

WY00002
E772828
09/05/2023
07/17/2023 - 08/31/2023

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
------------------	---------	-------	----------------	----------------	-------------------	------------------------	--------------------	---------------	---------	------------	--------------------------	--------------

WP Gasoline Range Organics (GRO) in Water (cat# 640, lot# P342-762)

9408	Gasoline Range Organics (GRO)	µg/L	3992	3300	1270 - 5760	Acceptable	EPA 8015C 3 2007	8/10/2023	0.205	3820	830	adw
4375	Benzene in GRO	µg/L		10.3	5.18 - 16.4	Not Reported				8.85	1.36	
4765	Ethylbenzene in GRO	µg/L		90.3	56.0 - 126	Not Reported				145	90.2	
5140	Toluene in GRO	µg/L		246	137 - 321	Not Reported				169	74.9	
5260	Xylenes, total in GRO	µg/L		488	306 - 677	Not Reported				469	40.4	

WP Diesel Range Organics (DRO) in Water (cat# 641, lot# P342-764)

9369	Diesel Range Organics (DRO)	µg/L	409	920	92.0 - 1330	Acceptable	EPA 8015C 3 2007	7/29/2023	-1.19	668	218	adw
------	-----------------------------	------	-----	-----	-------------	------------	------------------	-----------	-------	-----	-----	-----

WP Total Petroleum Hydrocarbons (TPH) in Water (cat# 642, lot# P342-642)

1853	TPH (Gravimetric)	mg/L	38.6	56.5	25.6 - 81.6	Acceptable	EPA 1664A SGT 1999	7/27/2023	0.00879	38.5	9.23	
1853	TPH (IR)	mg/L		69.5	32.0 - 100	Not Reported				67.4	7.63	



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.



CERTIFICATE OF RECOGNITION

ERA congratulates
Energy Laboratories
WP-342

For your participation and successful evaluation, we recognize the performance of this laboratory for achieving acceptable evaluation in the following standards.

Acidity	Bromide	Complex Nutrients
Demand	Diesel Range Organics (DRO) in Water	Gasoline Range Organics (GRO) in Water
Hexavalent Chromium	Minerals	Nitrite
Oil & Grease	pH	Simple Nutrients
Sulfide	Total Petroleum Hydrocarbons (TPH) in Water	WasteWatR™ Coliform MicrobE™



Craig Huff
Senior Technical Manager