



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

SOIL-117  **Final Report**

Soil/Hazardous Waste Proficiency Testing

Soil Study

Open Date: 01/24/2022

Close Date: 03/10/2022

Report Issued Date: 03/14/2022



A Waters Company

March 14, 2022

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

Enclosed is your final report for ERA's SOIL-117 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 SOIL-117 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 SOIL-117 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 "Matthew Seebeck".

Matthew Seebeck
Quality Officer

attachments





A Waters Company

Report Recipient	Contact/Phone Number	Reporting Type
Florida	Vanessa Soto / 904-791-1599	All Analytes
Texas	Frank Jamison / (512) 239-3754	All Analytes



SOIL-117 Definitions & Study Discussion

Study Dates: 01/24/2022 - 03/10/2022

Report Issued: 03/14/2022

SOIL 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. The Assigned Values for the Organic Proficiency Testing Standards are equal to 100% of the parameter present in the standard as determined by gravimetric and/or volumetric measurements made during standard preparation as applicable. The assigned values for the Inorganic Proficiency Testing Standards, with the exception of the TCLP Metals in Soil and Total Organic Carbon (TOC) in the Nutrients in Soil sample, are equal to the maximum amount of the parameter available in the standard by applicable EPA methodologies. The assigned values for the TCLP metals and TOC are equal to the mean of the study data, after the removal of outliers. All parameters not added to the standard are 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.

SOIL Study Discussion

ERA's SOIL-117 Proficiency Testing (PT) 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 SOIL-117 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 in the standards met the acceptance criteria contained in the 2016 TNI Standard and the criteria contained in the most current TNI FoPT table.

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 SOIL-117 Proficiency Testing study reports shall not be reproduced except in its entirety and not without the permission of the participating laboratory. The report must not be used by the participating laboratories to claim product endorsement 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 SOIL Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





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SOIL-117 Laboratory Exception Report

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

EPA ID: WY00002
ERA Customer Number: E772828
Report Issued: 03/14/2022
Study Dates: 01/24/2022 - 03/10/2022

Not Acceptable Evaluations

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
SOIL Metals in Soil (cat# 620, lot# D117-540)							
1005	Antimony	mg/kg	19.4	204	20.4 - 229	Not Acceptable	EPA 6020A 1 2007
1005	Antimony	mg/kg	16.5	204	20.4 - 229	Not Acceptable	EPA 6010B 2 1996
1175	Tin	mg/kg	7.38	177	78.5 - 195	Not Acceptable	EPA 6020A 1 2007
1175	Tin	mg/kg	8.25	177	78.5 - 195	Not Acceptable	EPA 6010B 2 1996



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.





Final Report Results For Laboratory Energy Laboratories

All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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Study # : SOIL-117





Final Evaluation Report

Study: **SOIL-117**

ERA Customer Number: **E772828**

Laboratory Name: **Energy Laboratories**

Inorganic Results



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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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
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SOIL Metals in Soil (cat# 620, lot# D117-540)

1000	Aluminum	mg/kg		9420	2100 - 10400	Not Reported				4900	1910	
1005	Antimony	mg/kg		204	20.4 - 229	Not Reported				88.3	50.1	
1010	Arsenic	mg/kg		162	74.4 - 178	Not Reported				106	23.4	
1015	Barium	mg/kg		224	125 - 246	Not Reported				167	32.6	
1020	Beryllium	mg/kg		87.4	48.5 - 96.1	Not Reported				64.7	9.90	
1025	Boron	mg/kg		197	62.5 - 217	Not Reported				104	17.0	
1030	Cadmium	mg/kg		250	134 - 275	Not Reported				178	34.0	
1035	Calcium	mg/kg		2640	1120 - 2900	Not Reported				1770	306	
1040	Chromium	mg/kg		271	140 - 298	Not Reported				200	35.0	
1050	Cobalt	mg/kg		231	129 - 254	Not Reported				172	25.1	
1055	Copper	mg/kg		115	62.2 - 126	Not Reported				82.9	14.0	
1070	Iron	mg/kg		7100	710 - 11100	Not Reported				4980	1490	
1075	Lead	mg/kg		277	161 - 305	Not Reported				218	46.7	
1080	Lithium	mg/kg		8.14	0.00 - 8.95	Not Reported				3.40	1.76	
1085	Magnesium	mg/kg		1280	255 - 1410	Not Reported				827	216	
1090	Manganese	mg/kg		266	138 - 293	Not Reported				194	33.6	
1095	Mercury	mg/kg		26.5	10.2 - 29.2	Not Reported				17.0	4.57	
1100	Molybdenum	mg/kg		135	68.2 - 148	Not Reported				97.2	19.3	
1105	Nickel	mg/kg		278	149 - 306	Not Reported				212	34.5	
1125	Potassium	mg/kg		1430	443 - 1570	Not Reported				1000	278	



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.





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SOIL Metals in Soil (cat# 620, lot# D117-540) (Continued)

1140	Selenium	mg/kg		190	96.7 - 209	Not Reported				144	32.4	
1150	Silver	mg/kg	37.3	48.3	25.8 - 53.1	Acceptable	EPA 6010B 2 1996	3/2/2022	-0.00189	37.3	9.33	jcg
1155	Sodium	mg/kg		1050	509 - 1160	Not Reported				807	145	
1160	Strontium	mg/kg		281	139 - 309	Not Reported				190	32.6	
1165	Thallium	mg/kg		165	83.1 - 182	Not Reported				121	30.1	
1175	Tin	mg/kg		177	78.5 - 195	Not Reported				133	30.4	
1180	Titanium	mg/kg		284	13.9 - 345	Not Reported				180	55.2	
1184	Uranium	mg/kg		6.42	0.540 - 8.65	Not Reported				4.59	1.35	
1185	Vanadium	mg/kg		153	75.1 - 168	Not Reported				109	21.6	
1190	Zinc	mg/kg		374	194 - 411	Not Reported				277	48.2	



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.





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SOIL Metals in Soil (cat# 620, lot# D117-540)

1000	Aluminum	mg/kg	3408	9420	2100 - 10400	Acceptable	EPA 6020A 1 2007	2/15/2022	-0.786	4900	1910	jcg
1005	Antimony	mg/kg	19.4	204	20.4 - 229	Not Acceptable	EPA 6020A 1 2007	2/15/2022	-1.38	88.3	50.1	jcg
1010	Arsenic	mg/kg	89.4	162	74.4 - 178	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.724	106	23.4	jcg
1015	Barium	mg/kg	141	224	125 - 246	Acceptable	EPA 6020A 1 2007	2/24/2022	-0.796	167	32.6	jcg
1020	Beryllium	mg/kg	56.9	87.4	48.5 - 96.1	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.786	64.7	9.90	jcg
1025	Boron	mg/kg	77.8	197	62.5 - 217	Acceptable	EPA 6020A 1 2007	2/24/2022	-1.55	104	17.0	jcg
1030	Cadmium	mg/kg	158	250	134 - 275	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.588	178	34.0	jcg
1035	Calcium	mg/kg	1564	2640	1120 - 2900	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.681	1770	306	jcg
1040	Chromium	mg/kg	166	271	140 - 298	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.973	200	35.0	jcg
1050	Cobalt	mg/kg	155	231	129 - 254	Acceptable	EPA 6020A 1 2007	2/15/2022	-0.670	172	25.1	jcg
1055	Copper	mg/kg	71.4	115	62.2 - 126	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.820	82.9	14.0	jcg
1070	Iron	mg/kg	3296	7100	710 - 11100	Acceptable	EPA 6020A 1 2007	2/10/2022	-1.13	4980	1490	jcg
1075	Lead	mg/kg	184	277	161 - 305	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.730	218	46.7	jcg
1080	Lithium	mg/kg		8.14	0.00 - 8.95	Not Reported				3.40	1.76	
1085	Magnesium	mg/kg	656	1280	255 - 1410	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.791	827	216	jcg
1090	Manganese	mg/kg	162	266	138 - 293	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.958	194	33.6	jcg
1095	Mercury	mg/kg		26.5	10.2 - 29.2	Not Reported				17.0	4.57	
1100	Molybdenum	mg/kg	79.4	135	68.2 - 148	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.921	97.2	19.3	jcg
1105	Nickel	mg/kg	169	278	149 - 306	Acceptable	EPA 6020A 1 2007	2/15/2022	-1.25	212	34.5	jcg
1125	Potassium	mg/kg	713	1430	443 - 1570	Acceptable	EPA 6020A 1 2007	2/10/2022	-1.04	1000	278	jcg



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.





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SOIL Metals in Soil (cat# 620, lot# D117-540) (Continued)

1140	Selenium	mg/kg	126	190	96.7 - 209	Acceptable	EPA 6020A 1 2007	2/15/2022	-0.553	144	32.4	jcg
1150	Silver	mg/kg	30.9	48.3	25.8 - 53.1	Acceptable	EPA 6020A 1 2007	2/15/2022	-0.688	37.3	9.33	jcg
1155	Sodium	mg/kg	630	1050	509 - 1160	Acceptable	EPA 6020A 1 2007	2/15/2022	-1.22	807	145	jcg
1160	Strontium	mg/kg	171	281	139 - 309	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.581	190	32.6	jcg
1165	Thallium	mg/kg	107	165	83.1 - 182	Acceptable	EPA 6020A 1 2007	2/10/2022	-0.457	121	30.1	jcg
1175	Tin	mg/kg	7.38	177	78.5 - 195	Not Acceptable	EPA 6020A 1 2007	2/15/2022	-4.13	133	30.4	jcg
1180	Titanium	mg/kg	123	284	13.9 - 345	Acceptable	EPA 6020A 1 2007	2/15/2022	-1.02	180	55.2	jcg
1184	Uranium	mg/kg	3.29	6.42	0.540 - 8.65	Acceptable	EPA 6020A 1 2007	2/15/2022	-0.965	4.59	1.35	jcg
1185	Vanadium	mg/kg	87.8	153	75.1 - 168	Acceptable	EPA 6020A 1 2007	2/10/2022	-1.00	109	21.6	jcg
1190	Zinc	mg/kg	241	374	194 - 411	Acceptable	EPA 6020A 1 2007	2/24/2022	-0.743	277	48.2	jcg



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.





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SOIL Metals in Soil (cat# 620, lot# D117-540)

1000	Aluminum	mg/kg	3160	9420	2100 - 10400	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.916	4900	1910	srm
1005	Antimony	mg/kg	16.5	204	20.4 - 229	Not Acceptable	EPA 6010B 2 1996	2/8/2022	-1.43	88.3	50.1	srm
1010	Arsenic	mg/kg	94.5	162	74.4 - 178	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.506	106	23.4	srm
1015	Barium	mg/kg	138	224	125 - 246	Acceptable	EPA 6010B 2 1996	2/18/2022	-0.888	167	32.6	srm
1020	Beryllium	mg/kg	59.7	87.4	48.5 - 96.1	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.503	64.7	9.90	srm
1025	Boron	mg/kg	97.8	197	62.5 - 217	Acceptable	EPA 6010B 2 1996	2/3/2022	-0.372	104	17.0	srm
1030	Cadmium	mg/kg	158	250	134 - 275	Acceptable	EPA 6010B 2 1996	2/15/2022	-0.588	178	34.0	srm
1035	Calcium	mg/kg	1550	2640	1120 - 2900	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.727	1770	306	srm
1040	Chromium	mg/kg	176	271	140 - 298	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.687	200	35.0	srm
1050	Cobalt	mg/kg	153	231	129 - 254	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.749	172	25.1	srm
1055	Copper	mg/kg	76.3	115	62.2 - 126	Acceptable	EPA 6010B 2 1996	2/3/2022	-0.470	82.9	14.0	srm
1070	Iron	mg/kg	3579	7100	710 - 11100	Acceptable	EPA 6010B 2 1996	2/18/2022	-0.937	4980	1490	srm
1075	Lead	mg/kg	183	277	161 - 305	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.752	218	46.7	srm
1080	Lithium	mg/kg		8.14	0.00 - 8.95	Not Reported				3.40	1.76	
1085	Magnesium	mg/kg	644	1280	255 - 1410	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.847	827	216	srm
1090	Manganese	mg/kg	167	266	138 - 293	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.809	194	33.6	srm
1095	Mercury	mg/kg		26.5	10.2 - 29.2	Not Reported				17.0	4.57	
1100	Molybdenum	mg/kg	76.3	135	68.2 - 148	Acceptable	EPA 6010B 2 1996	2/5/2022	-1.08	97.2	19.3	srm
1105	Nickel	mg/kg	182	278	149 - 306	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.877	212	34.5	srm
1125	Potassium	mg/kg	760	1430	443 - 1570	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.874	1000	278	srm

All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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SOIL Metals in Soil (cat# 620, lot# D117-540) (Continued)

1140	Selenium	mg/kg	122	190	96.7 - 209	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.677	144	32.4	srm
1150	Silver	mg/kg		48.3	25.8 - 53.1	Not Reported				37.3	9.33	
1155	Sodium	mg/kg	770	1050	509 - 1160	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.253	807	145	srm
1160	Strontium	mg/kg	180	281	139 - 309	Acceptable	EPA 6010B 2 1996	2/18/2022	-0.305	190	32.6	srm
1165	Thallium	mg/kg		165	83.1 - 182	Not Reported				121	30.1	
1175	Tin	mg/kg	8.25	177	78.5 - 195	Not Acceptable	EPA 6010B 2 1996	2/5/2022	-4.10	133	30.4	srm
1180	Titanium	mg/kg	118	284	13.9 - 345	Acceptable	EPA 6010B 2 1996	2/3/2022	-1.11	180	55.2	srm
1184	Uranium	mg/kg		6.42	0.540 - 8.65	Not Reported				4.59	1.35	
1185	Vanadium	mg/kg	95.9	153	75.1 - 168	Acceptable	EPA 6010B 2 1996	2/5/2022	-0.629	109	21.6	srm
1190	Zinc	mg/kg	259	374	194 - 411	Acceptable	EPA 6010B 2 1996	2/3/2022	-0.369	277	48.2	srm

SOIL Nutrients in Soil (cat# 869, lot# D117-542)

1515	Ammonia as N	mg/kg		576	280 - 822	Not Reported				551	73.6	
1795	Total Kjeldahl Nitrogen	mg/kg		1080	577 - 1590	Not Reported				1080	145	
2040	Total Organic Carbon (TOC)	mg/kg		3260	466 - 6060	Not Reported				3260	933	
1910	Total Phosphorus	mg/kg	792	777	186 - 1450	Acceptable	EPA 6010B 2 1996	2/15/2022	-0.206	818	124	srm



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.





Final Evaluation Report

Study: **SOIL-117**

ERA Customer Number: **E772828**

Laboratory Name: **Energy Laboratories**

Organic Results



All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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Study # : SOIL-117





SOIL-117 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
03/14/2022
01/24/2022 - 03/10/2022

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
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SOIL Gasoline Range Organics (GRO) in Soil (cat# 630, lot# D117-763)

9408	Gasoline Range Organics (GRO)	mg/kg	112	312	31.2 - 509	Acceptable	EPA 8015C 3 2007	2/3/2022	-0.803	181	85.8	adw
4375	Benzene in GRO	mg/kg		1.38	0.00 - 1.65	Not Reported				0.885	0.270	
4765	Ethylbenzene in GRO	mg/kg		5.25	1.74 - 6.96	Not Reported				4.08	1.10	
5140	Toluene in GRO	mg/kg		15.9	1.87 - 18.0	Not Reported				10.2	2.98	
5260	Xylenes, total in GRO	mg/kg		26.9	9.48 - 35.5	Not Reported				20.3	4.81	

SOIL Diesel Range Organics (DRO) in Soil (cat# 631, lot# D117-765)

9369	Diesel Range Organics (DRO)	mg/kg	1304	1620	496 - 2300	Acceptable	EPA 8015C 3 2007	2/1/2022	-0.279	1400	336	adw
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All analytes except for 1,1-Biphenyl, Acetophenone, Atrazine, Benzaldehyde and Caprolactam in the Base/Neutrals & Acids, catalog # 467, Lithium in the Metals, cat # 620, and Nitrite as N and Nitrate + Nitrite as N in the Anions, cat # 873, are included in ERA's A2LA accreditation. Lab Code 1539.01.



CERTIFICATE OF RECOGNITION

ERA congratulates
Energy Laboratories
SOIL-117

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

Diesel Range Organics
(DRO) in Soil
Gasoline Range Organics
(GRO) in Soil
Nutrients in Soil



Matthew Seebeck
Quality Officer