

September 14, 2023

Ms. Denise MacDuff
SGS - Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057
USA

Dear Denise,

Thank you for participating in the HW0723 Soil / Hazardous Waste PT Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Phenova. This report presents some additional sections and features which will give you more information on the study data for the standards that were reported by your laboratory and more information regarding the overall performance of your laboratory in relation to other study participants.

The enclosed report is in two sections, the "Evaluation Report" and the "Statistical Report". The "Evaluation Report" contains the evaluation of your reported data as well the reported method, analysis date and analyst. The "Evaluation Report" is an updated and enhanced version of the reports you previously received at the conclusion of our PT studies. The "Statistical Report" contains your passing percentage as well as statistics from the study for the analytes reported by your laboratory.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you.

Thank you again for participating in the HW0723 Soil / Hazardous Waste PT Study. We appreciate working with you and look forward to our next study. If you have any questions, please call us at 866-942-2978.

6390 Joyce Drive
100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.phenova.com

State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your HW0723 final results to the following state agencies:

NY

Other Regulatory Agency Request(s):

No requests were made to send a copy of your HW0723 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your HW0723 final results to a third party.

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Final Report - Soil / Hazardous Waste PT

Study: HW0723

Opening Date: July 24, 2023 - Closing Date: September 7, 2023

Laboratory: SGS - Galson Laboratories
 6601 Kirkville Road
 East Syracuse, NY 13057
 USA

Contact: Ms. Denise MacDuff, QA Manager
 888-432-5227

EPA Lab ID: NY00056

Metals (PT-MET-SOIL)										Lot #: 7093-04
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
1000	Aluminum					mg/kg	10300		5890 - 16400	NR
1005	Antimony					mg/kg	235		23.5 - 293	NR
1010	Arsenic					mg/kg	291		174 - 323	NR
1015	Barium					mg/kg	470		307 - 517	NR
1020	Beryllium					mg/kg	83.1		53.5 - 91.4	NR
1025	Boron					mg/kg	150		74.5 - 174	NR
1030	Cadmium					mg/kg	187		123 - 205	NR
1035	Calcium					mg/kg	13400		9250 - 15100	NR
1040	Chromium					mg/kg	60.5		37.7 - 70.0	NR
1050	Cobalt					mg/kg	279		180 - 306	NR
1055	Copper					mg/kg	255		164 - 280	NR
1070	Iron					mg/kg	17300		6070 - 25500	NR
1075	Lead	8/9/2023	MEL	10155905	EPA 6010C Rev.3 2007	mg/kg	98.6	83.5	58.4 - 110	Acceptable
1085	Magnesium					mg/kg	11200		7380 - 12300	NR
1090	Manganese					mg/kg	945		640 - 1040	NR
1095	Mercury					mg/kg	12.5		6.61 - 15.4	NR
1100	Molybdenum					mg/kg	60.5		34.2 - 66.6	NR
1105	Nickel					mg/kg	282		169 - 314	NR
1125	Potassium					mg/kg	6540		4140 - 7910	NR
1140	Selenium					mg/kg	122		67.0 - 138	NR
1150	Silver					mg/kg	28.8		17.3 - 34.1	NR
1155	Sodium					mg/kg	13100		7900 - 15200	NR
1160	Strontium					mg/kg	133		84.9 - 150	NR
1165	Thallium					mg/kg	188		111 - 207	NR
1175	Tin					mg/kg	211		109 - 249	NR
1185	Vanadium					mg/kg	280		184 - 308	NR
1190	Zinc					mg/kg	125		76.5 - 142	NR
Additional State Specific Analytes										
1080	Lithium					mg/kg	188		110 - 217	NR

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Study: HW0723

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Metals (PT-MET-SOIL) cont'd										Lot #: 7093-04
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
Additional State Specific Analytes cont'd										
1180	Titanium					mg/kg	578		49.2 - 990	NR
1184	Uranium					mg/kg	47.8		31.8 - 54.8	NR

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PT Study Score Report

EPA ID: NY00056
Laboratory: SGS - Galson Laboratories
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East Syracuse, NY 13057
USA

Study Number	Number of Reported Results	Number of Passing Results	Percent Passing
HW0723	1	1	100%

Report Definitions:

- Number of Reported Results*** The number of results reported which could be evaluated. Results receiving an evaluation of "NR" or "No Evaluation" are not included.
- Number of Passing Results*** The number of results reported receiving an evaluation of "Acceptable" or "Check for Error".
- Percent Passing*** The percentage of results reported receiving an evaluation of "Acceptable" or "Check for Error".

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Statistical Summary Report - Soil / Hazardous Waste PT

Opening Date: July 24, 2023 - Closing Date: September 7, 2023

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888-432-5227

EPA Lab ID: NY00056

Metals (PT-MET-SOIL)						Lot #: 7093-04
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
1000	Aluminum	mg/kg	11100	1930	57.2	159
1005	Antimony	mg/kg	116	57.7	10.0	125
1010	Arsenic	mg/kg	248	20.0	59.8	111
1015	Barium	mg/kg	409	34.8	65.3	110
1020	Beryllium	mg/kg	71.3	6.17	64.4	110
1025	Boron	mg/kg	124	14.3	49.7	116
1030	Cadmium	mg/kg	164	12.8	65.8	110
1035	Calcium	mg/kg	12200	970	69.0	113
1040	Chromium	mg/kg	53.8	7.26	62.3	116
1050	Cobalt	mg/kg	240	20.6	64.5	110
1055	Copper	mg/kg	218	17.5	64.3	110
1070	Iron	mg/kg	15800	3700	35.1	147
1075	Lead	mg/kg	84.2	7.61	59.2	112
1085	Magnesium	mg/kg	9800	697	65.9	110
1090	Manganese	mg/kg	815	70.5	67.7	110
1095	Mercury	mg/kg	11.0	1.34	52.9	123
1100	Molybdenum	mg/kg	50.4	4.21	56.5	110
1105	Nickel	mg/kg	242	20.8	59.9	111
1125	Potassium	mg/kg	6020	531	63.3	121
1140	Selenium	mg/kg	103	10.8	54.9	113
1150	Silver	mg/kg	25.7	2.28	60.1	118
1155	Sodium	mg/kg	11600	854	60.3	116
1160	Strontium	mg/kg	117	8.60	63.8	113
1165	Thallium	mg/kg	158	16.2	59.0	110
1175	Tin	mg/kg	179	16.9	51.7	118
1185	Vanadium	mg/kg	243	18.6	65.7	110
1190	Zinc	mg/kg	109	10.7	61.2	114
Additional State Specific Analytes						
1080	Lithium	mg/kg	164	14.4	58.5	115
1180	Titanium	mg/kg	492	106	8.51	171
1184	Uranium	mg/kg	43.3	5.02	66.5	115