

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MJW Technical Services
 Address : 15 Hazelwood Drive
 Suite 112
 Buffalo, New York 14228

Report Date: March 8, 2016

Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Client Sample ID: 5.4.A.R.1.2
 Sample ID: 392062020
 Matrix: Soil
 Collect Date: 16-DEC-15
 Receive Date: 25-FEB-16
 Collector: Client
 Moisture: 20.2%

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
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Rad Gamma Spec Analysis

Gamma with Ingrowth "Dry Weight Corrected"

Actinium-227	U	-0.0339	+/-0.275	0.527	0.245	+/-0.275		pCi/g		MXR1	03/08/16	0554	1547923	1
Antimony-125	U	0.0157	+/-0.0991	0.193	0.0874	+/-0.0994		pCi/g						
Bismuth-212	UI	0.00	+/-0.561	1.24	0.563	+/-0.643		pCi/g						
Bismuth-214		0.867	+/-0.163	0.132	0.0587	+/-0.178		pCi/g						
Cesium-137	U	0.0108	+/-0.041	0.0829	0.0373	+/-0.0413	0.100	pCi/g						
Cobalt-60	U	-0.0281	+/-0.0467	0.0836	0.0352	+/-0.0484		pCi/g						
Europium-154	U	0.0973	+/-0.144	0.311	0.137	+/-0.151		pCi/g						
Lead-212		0.866	+/-0.132	0.112	0.0523	+/-0.152		pCi/g						
Lead-214		1.02	+/-0.208	0.337	0.163	+/-0.225		pCi/g						
Potassium-40		9.96	+/-1.40	0.783	0.326	+/-1.64		pCi/g						
Protactinium-231	UI	0.00	+/-1.02	0.843	0.385	+/-1.06		pCi/g						
Radium-226		0.867	+/-0.163	0.132	0.0587	+/-0.178		pCi/g						
Radium-228	UI	0.00	+/-0.233	0.580	0.272	+/-0.534		pCi/g						
Thallium-208		0.198	+/-0.0698	0.0794	0.0359	+/-0.0717		pCi/g						
Tin-126	U	0.0574	+/-0.148	0.178	0.0844	+/-0.148		pCi/g						

Rad Gas Flow Proportional Counting

GFPC, Gross A/B, solid "Dry Weight Corrected"

Alpha		11.2	+/-3.14	3.93	1.78	+/-3.81	4.00	pCi/g		JXB7	03/02/16	1637	1548369	2
Beta		15.0	+/-2.15	2.68	1.28	+/-2.95	10.0	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	02/26/16	1449	1547874

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300.4.5.2.3/Ga-01-R
2	EPA 900.0/SW846.9310/SM 7110B Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
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Contact: Ms. Laurie Losey
Project: Soil Radioisotopes

Client Sample ID: 5.4.A.R.1.2
Sample ID: 392062020

Project: MJWC00115
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Le	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Surrogate/Tracer Recovery	Test													
								Batch ID	Recovery%	Acceptable Limits				

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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 Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Report Date: January 18, 2016

Client Sample ID: 5.4A.R.2.1
 Sample ID: 387853005
 Matrix: Soil
 Collect Date: 11-DEC-15
 Receive Date: 18-DEC-15
 Collector: Client
 Moisture: 28.2%

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Gravimetric Solids														
<i>ASTM D 2216 % Moisture "As Received"</i>														
Moisture		28.2						percent		CXC1	12/21/15	1516	1532672	1
Rad Gamma Spec Analysis														
<i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i>														
Actinium-227	U	0.0599	+/-0.227	0.444	0.207	+/-0.229		pCi/g		RXF2	01/13/16	0651	1532995	2
Antimony-125	U	-0.012	+/-0.0943	0.173	0.0795	+/-0.0945		pCi/g						
Bismuth-212		1.33	+/-0.683	0.944	0.424	+/-0.696		pCi/g						
Bismuth-214		0.860	+/-0.156	0.113	0.0504	+/-0.172		pCi/g						
Cesium-137		0.548	+/-0.102	0.0752	0.0341	+/-0.111	0.100	pCi/g						
Cobalt-60	U	-0.015	+/-0.0365	0.0669	0.0281	+/-0.0372		pCi/g						
Europium-154	U	-0.125	+/-0.094	0.133	0.0517	+/-0.110		pCi/g						
Lead-212		0.547	+/-0.128	0.103	0.0486	+/-0.148		pCi/g						
Lead-214		0.953	+/-0.172	0.306	0.148	+/-0.195		pCi/g						
Potassium-40		10.9	+/-1.28	0.531	0.212	+/-1.60		pCi/g						
Protactinium-231	UI	0.00	+/-0.682	0.823	0.382	+/-0.699		pCi/g						
Radium-226		0.860	+/-0.156	0.113	0.0504	+/-0.172		pCi/g						
Radium-228	UI	0.00	+/-0.226	0.480	0.225	+/-0.406		pCi/g						
Thallium-208		0.219	+/-0.0609	0.063	0.0283	+/-0.0637		pCi/g						
Tin-126	UI	0.00	+/-0.0797	0.0863	0.0409	+/-0.0811		pCi/g						
Rad Gas Flow Proportional Counting														
<i>GFPC, Gross A/B, solid "Dry Weight Corrected"</i>														
Alpha		6.91	+/-2.99	3.86	1.64	+/-3.28	4.00	pCi/g		JXB7	01/11/16	1305	1534754	3
Beta		19.6	+/-3.39	3.98	1.86	+/-4.41	10.0	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	12/21/15	1516	1532672

The following Analytical Methods were performed

Method	Description
1	ASTM D 2216 (Modified)
2	DOE HASL 300.4 5 2.3/Ga-01-R
3	EPA 900.0/SW846 9310/SM 7110B Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
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Report Date: January 18, 2016

Contact: Ms. Laurie Losey
Project: Soil Radioisotopes

Client Sample ID: 5.4A.R.2.1
Sample ID: 387853005

Project: MJWC00115
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date Time	Batch	Mtd.	
Surrogate/Tracer Recovery	Test											Batch ID	Recovery%	Acceptable Limits

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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Report Date: March 8, 2016

Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Client Sample ID: 5.4.A.R.2.2
 Sample ID: 392043004
 Matrix: Soil
 Collect Date: 11-DEC-15
 Receive Date: 25-FEB-16
 Collector: Client
 Moisture: 20%

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis														
<i>Gamma with Ingrowth "Dry Weight Corrected"</i>														
Actinium-227	U	0.0893	+/-0.245	0.494	0.230	+/-0.248		pCi/g		MXR1	03/07/16	0849	1547791	1
Antimony-125	U	0.0281	+/-0.0991	0.195	0.0892	+/-0.0999		pCi/g						
Bismuth-212	UI	0.00	+/-0.780	1.21	0.553	+/-0.878		pCi/g						
Bismuth-214		0.724	+/-0.167	0.137	0.062	+/-0.179		pCi/g						
Cesium-137		0.0779	+/-0.0794	0.0522	0.0224	+/-0.0797	0.100	pCi/g						
Cobalt-60	U	0.0187	+/-0.0392	0.0846	0.0364	+/-0.0401		pCi/g						
Europium-154	U	0.110	+/-0.125	0.278	0.123	+/-0.135		pCi/g						
Lead-212		0.747	+/-0.145	0.121	0.0568	+/-0.159		pCi/g						
Lead-214		0.792	+/-0.180	0.149	0.0689	+/-0.193		pCi/g						
Potassium-40		11.2	+/-1.35	0.568	0.226	+/-1.65		pCi/g						
Protactinium-231	UI	0.00	+/-0.530	0.801	0.366	+/-0.540		pCi/g						
Radium-226		0.724	+/-0.167	0.137	0.062	+/-0.179		pCi/g						
Radium-228		0.654	+/-0.241	0.238	0.103	+/-0.258		pCi/g						
Thallium-208		0.221	+/-0.0781	0.0713	0.0323	+/-0.0805		pCi/g						
Tin-126	UI	0.00	+/-0.171	0.177	0.0842	+/-0.172		pCi/g						

Rad Gas Flow Proportional Counting

GFPC, Gross A/B, solid "Dry Weight Corrected"

Alpha		10.0	+/-2.83	3.29	1.45	+/-3.47	4.00	pCi/g		BXF1	03/04/16	0743	1547857	2
Beta		13.3	+/-2.57	3.53	1.69	+/-3.19	10.0	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	02/25/16	1523	1547783

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4 5 2 3/Ga-01-R
2	EPA 900.0/SW846 9310/SM 7110B Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
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Contact: Ms. Laurie Losey
Project: Soil Radioisotopes
Client Sample ID: 5.4.A.R.2.2
Sample ID: 392043004

Report Date: March 8, 2016

Project: MJWC00115
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.	
Surrogate/Tracer Recovery	Test												Batch ID	Recovery%	Acceptable Limits

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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Company : MJW Corporation
 Address : 15 Hazelwood Drive
 Suite 112
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Report Date: January 14, 2016

Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Client Sample ID: 5.4.A.R.2.5
 Sample ID: 387686008
 Matrix: Water
 Collect Date: 11-DEC-15
 Receive Date: 17-DEC-15
 Collector: Client

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
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Rad Gamma Spec Analysis

Gammascpec, Gamma, Liquid (Standard List) "As Received"

Actinium-227	U	-5.37	+/-30.7	52.6	24.8	+/-30.8		pCi/L		MJH1	01/08/16	1532	1532831	1
Antimony-125	U	-1.47	+/-10.8	18.8	8.71	+/-10.8		pCi/L						
Bismuth-212	U	6.87	+/-60.8	111	50.9	+/-60.8		pCi/L						
Bismuth-214	U	3.79	+/-10.3	15.9	7.36	+/-10.5		pCi/L						
Cesium-137	U	2.45	+/-3.64	7.24	3.29	+/-3.81	10.0	pCi/L						
Cobalt-60	U	1.49	+/-4.25	8.68	3.82	+/-4.30		pCi/L						
Europium-154	U	-4.68	+/-12.1	21.3	9.21	+/-12.3		pCi/L						
Lead-212	UI	0.00	+/-11.9	14.4	6.90	+/-12.8		pCi/L						
Lead-214	U	-3.28	+/-10.4	16.8	7.93	+/-10.5		pCi/L						
Potassium-40	U	30.2	+/-62.0	72.5	31.0	+/-62.0		pCi/L						
Protactinium-231	U	-5.65	+/-52.5	93.1	43.6	+/-52.5		pCi/L						
Radium-228	U	-11.2	+/-20.0	32.1	14.6	+/-20.7		pCi/L						
Thallium-208	U	-2.59	+/-4.88	8.01	3.70	+/-5.02		pCi/L						
Tm-126	U	5.83	+/-9.43	17.0	8.08	+/-9.44		pCi/L						

Rad Gas Flow Proportional Counting

GFPC, Gross A/B, liquid "As Received"

Alpha	U	0.950	+/-1.71	3.15	1.17	+/-1.72	5.00	pCi/L		JXB7	01/05/16	1143	1533798	2
Beta	U	-1.66	+/-2.34	4.84	2.16	+/-2.34	5.00	pCi/L						

The following Analytical Methods were performed

Method	Description
1	EPA 901.1
2	EPA 900.0/SW846 9310

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
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Notes:

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Report Date: January 18, 2016

Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Client Sample ID: 5.4A.R.3.1
 Sample ID: 387853006
 Matrix: Soil
 Collect Date: 11-DEC-15
 Receive Date: 18-DEC-15
 Collector: Client
 Moisture: 22.6%

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Gravimetric Solids														
<i>ASTM D 2216 % Moisture "As Received"</i>														
Moisture		22.6						percent		CXC1	12/21/15	1516	1532672	1
Rad Gamma Spec Analysis														
<i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i>														
Actinium-227	U	-0.177	+/-0.337	0.582	0.267	+/-0.348		pCi/g		RXF2	01/13/16	0651	1532995	2
Antimony-125	U	0.0148	+/-0.121	0.239	0.107	+/-0.122		pCi/g						
Bismuth-212	U	0.0891	+/-0.682	1.40	0.611	+/-0.683		pCi/g						
Bismuth-214		0.776	+/-0.195	0.178	0.078	+/-0.205		pCi/g						
Cesium-137		0.584	+/-0.144	0.120	0.0539	+/-0.152	0.100	pCi/g						
Cobalt-60	U	0.0343	+/-0.0545	0.128	0.0536	+/-0.0567		pCi/g						
Europium-154	U	0.0151	+/-0.136	0.296	0.120	+/-0.136		pCi/g						
Lead-212		0.637	+/-0.132	0.131	0.0607	+/-0.143		pCi/g						
Lead-214		0.871	+/-0.215	0.398	0.191	+/-0.227		pCi/g						
Potassium-40		9.76	+/-1.78	1.13	0.462	+/-1.97		pCi/g						
Protactinium-231	U	-0.208	+/-0.609	1.06	0.483	+/-0.618		pCi/g						
Radium-226		0.776	+/-0.195	0.178	0.078	+/-0.205		pCi/g						
Radium-228		0.663	+/-0.246	0.305	0.125	+/-0.259		pCi/g						
Thallium-208		0.188	+/-0.0881	0.103	0.0457	+/-0.0894		pCi/g						
Tin-126	U	0.0429	+/-0.0968	0.181	0.0861	+/-0.0988		pCi/g						
Rad Gas Flow Proportional Counting														
<i>GFPC, Gross A-B, solid "Dry Weight Corrected"</i>														
Alpha		11.9	+/-3.58	3.91	1.66	+/-4.24	4.00	pCi/g		JXB7	01/11/16	1303	1534754	3
Beta		17.1	+/-2.64	2.71	1.26	+/-3.75	10.0	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	12/21/15	1516	1532672

The following Analytical Methods were performed

Method	Description
1	ASTM D 2216 (Modified)
2	DOE HASL 300, 4.5.2.3/Ga-01-R
3	EPA 900.0/SW846.9310/SM 7110B Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

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Report Date: January 18, 2016

Contact: Ms. Laurie Losey
Project: Soil Radioisotopes

Client Sample ID: 5.4A.R.3.1
Sample ID: 387853006

Project: MJWC00115
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Surrogate/Tracer Recovery	Test							Batch ID	Recovery%	Acceptable Limits				

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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Report Date: March 8, 2016

Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Client Sample ID: 5.4.A.R.3.2
 Sample ID: 392043005
 Matrix: Soil
 Collect Date: 11-DEC-15
 Receive Date: 25-FEB-16
 Collector: Client
 Moisture: 17.8%

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
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Rad Gamma Spec Analysis

Gamma with Ingrowth "Dry Weight Corrected"

Actinium-227	U	-0.251	+/-0.218	0.387	0.179	+/-0.249		pCi/g		MXR1	03/07/16	0849	1547791	1
Antimony-125	UI	0.00	+/-0.0866	0.184	0.0852	+/-0.100		pCi/g						
Bismuth-212		0.790	+/-0.664	0.875	0.394	+/-0.669		pCi/g						
Bismuth-214		0.728	+/-0.150	0.110	0.0497	+/-0.162		pCi/g						
Cesium-137	UI	0.00	+/-0.0359	0.0773	0.0355	+/-0.0406	0.100	pCi/g						
Cobalt-60	U	-0.00736	+/-0.032	0.0614	0.0257	+/-0.0321		pCi/g						
Europium-154	U	-0.0602	+/-0.101	0.179	0.0761	+/-0.105		pCi/g						
Lead-212		0.837	+/-0.112	0.0929	0.0435	+/-0.131		pCi/g						
Lead-214		1.13	+/-0.188	0.124	0.057	+/-0.210		pCi/g						
Potassium-40		10.8	+/-1.21	0.518	0.210	+/-1.54		pCi/g						
Protactinium-231	UI	0.00	+/-0.970	0.767	0.355	+/-0.996		pCi/g						
Radium-226		0.728	+/-0.150	0.110	0.0497	+/-0.162		pCi/g						
Radium-228		0.500	+/-0.276	0.224	0.0984	+/-0.286		pCi/g						
Thallium-208		0.204	+/-0.0634	0.0642	0.0293	+/-0.0657		pCi/g						
Tin-126	U	0.0579	+/-0.116	0.139	0.0664	+/-0.117		pCi/g						

Rad Gas Flow Proportional Counting

GFPC, Gross A/B, solid "Dry Weight Corrected"

Alpha		15.0	+/-3.54	3.92	1.75	+/-4.66	4.00	pCi/g		BXF1	03/04/16	0743	1547857	2
Beta		16.1	+/-2.60	3.35	1.60	+/-3.46	10.0	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	02/25/16	1523	1547783

The following Analytical Methods were performed

Method	Description
1	DOE HASL 300, 4.5.2.3/Ga-01-R
2	EPA 900.0/SW846 9310/SM 7110B Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
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Contact: Ms. Laurie Losey
Project: Soil Radioisotopes

Client Sample ID: 5,4,A,R,3,2
Sample ID: 392043005

Project: MJWC00115
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Le	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.	
Surrogate/Tracer	Recovery	Test											Batch ID	Recovery%	Acceptable Limits

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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Report Date: January 18, 2016

Contact: Ms. Laurie Losey
 Project: Soil Radioisotopes

Client Sample ID: 5.4A.R.4.1
 Sample ID: 387853007
 Matrix: Soil
 Collect Date: 11-DEC-15
 Receive Date: 18-DEC-15
 Collector: Client
 Moisture: 25.9%

Project: MJWC00115
 Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Gravimetric Solids														
<i>ASTM D 2216 % Moisture "As Received"</i>														
Moisture		25.9						percent		CXC1	12/21/15	1516	1532672	1
Rad Gamma Spec Analysis														
<i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i>														
Actinium-227	U	0.00438	+/-0.237	0.447	0.209	+/-0.237		pCi/g		RXF2	01/13/16	0652	1532995	2
Antimony-125	U	-0.0194	+/-0.085	0.153	0.0699	+/-0.0855		pCi/g						
Bismuth-212	UI	0.00	+/-0.541	1.14	0.529	+/-0.642		pCi/g						
Bismuth-214		0.781	+/-0.141	0.118	0.0535	+/-0.155		pCi/g						
Cesium-137		0.364	+/-0.0814	0.0559	0.0248	+/-0.0864	0.100	pCi/g						
Cobalt-60	U	0.013	+/-0.0367	0.0754	0.0329	+/-0.0372		pCi/g						
Europium-154	U	-0.0577	+/-0.117	0.208	0.0906	+/-0.120		pCi/g						
Lead-212		0.508	+/-0.110	0.118	0.056	+/-0.119		pCi/g						
Lead-214		0.828	+/-0.175	0.293	0.142	+/-0.188		pCi/g						
Potassium-40		10.1	+/-1.17	0.474	0.189	+/-1.47		pCi/g						
Protactinium-231	U	0.221	+/-0.498	0.927	0.435	+/-0.510		pCi/g						
Radium-226		0.781	+/-0.141	0.118	0.0535	+/-0.155		pCi/g						
Radium-228		0.567	+/-0.200	0.236	0.105	+/-0.216		pCi/g						
Thallium-208		0.227	+/-0.068	0.0511	0.0227	+/-0.0705		pCi/g						
Tin-126	UI	0.00	+/-0.106	0.107	0.0508	+/-0.108		pCi/g						
Rad Gas Flow Proportional Counting														
<i>GFPC, Gross A/B, solid "Dry Weight Corrected"</i>														
Alpha		12.2	+/-3.56	3.97	1.71	+/-4.25	4.00	pCi/g		JXB7	01/11/16	1331	1534754	3
Beta		18.2	+/-2.89	3.20	1.49	+/-3.82	10.0	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	12/21/15	1516	1532672

The following Analytical Methods were performed

Method	Description
1	ASTM D 2216 (Modified)
2	DOE HASL 300, 4.5.2 3/Ga-01-R
3	EPA 900.0/SW846 9310/SM 7110B Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MJW Corporation
Address : 15 Hazelwood Drive
Suite 112
Buffalo, New York 14228

Report Date: January 18, 2016

Contact: Ms. Laurie Losey

Project: Soil Radioisotopes

Client Sample ID: 5.4A.R.4.1
Sample ID: 387853007

Project: MJWC00115
Client ID: MJWC001

Parameter	Qualifier	Result	Uncertainty	MDC	Lc	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd.
Surrogate/Tracer Recovery	Test							Batch ID	Recovery%	Acceptable Limits				

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).