

Hemp Proficiency Testing

All Labs Trueness

OL22NOV-1 (oil)



Sample: OL22NOV-1 (oil)

All Labs Trueness

Issue Date: January 20, 2023

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.0672	0.0665	0.0691	0.0676	-1.62	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0781	0.0692	0.0705	0.0726	-1.4	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	210	0.086	0.085	0.078	0.083	-0.94	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.082	0.0877	0.0828	0.0842	-0.88	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.0928	0.0934	0.0915	0.0926	-0.51	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.093	0.0905	0.0962	0.0932	-0.48	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.094	0.098	0.093	0.095	-0.41	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.99	Other	183	0.109	0.093	0.084	0.0953	-0.39	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.0978	0.0958	0.0959	0.0965	-0.34	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.096	0.096	0.0955	0.0958	-0.37	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.30	Other LC-MS	149	0.109	0.093	0.093	0.0983	-0.26	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	200	0.099	0.1	0.099	0.0993	-0.21	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	194	0.1014	0.1003	0.0994	0.1	-0.17	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.1	0.1	0.1	0.1	-0.19	0.1042	25	0.0226	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.1018	0.1018	0.1016	0.102	-0.11	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.105	0.103	0.104	0.104	-0.01	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.1003	0.0997	0.113	0.104	0.01	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.0995	0.1019	0.1093	0.104	-0.03	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.1079	0.1037	0.105	0.106	0.06	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.124	0.115		0.119	0.68	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.126	0.164	0.13	0.14	1.58	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	204	0.1756	0.1768	0.1768	0.176	3.19	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.19	0.191	0.193	0.191	3.85	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.3255	0.3079	0.3142	0.316	9.35	0.1042	25	0.0226	0
Δ9-THC (%AR)	001.60	NIR	187	1.1	0.8	0.6	0.833	32.21	0.1042	25	0.0226	0

Δ9-THCA (%AR)

Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	<0.0005	<0.0005	<0.0005	<0.0005					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	<0.0020	<0.0171	<0.0016	<0.0020					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	<0.0025	<0.0025	<0.0025	<0.0025					1
Δ9-THCA (%AR)	002.30	Other LC-MS	149	<0.0040	<0.0040	<0.0040	<0.0040					1
Δ9-THCA (%AR)	002.10	Other LC-UV	194	<0.0067	<0.0067	<0.0067	<0.0067					1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0092	<0.0088	<0.0101	<0.0092					1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ9-THCA (%AR)	002.30	Other LC-MS	122	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ9-THCA (%AR)	002.10	Other LC-UV	170	<0.0100	<0.0100	<0.0100	<0.0100					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THCA (%AR)	002.10	Other LC-UV	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ9-THCA (%AR)	002.10	Other LC-UV	200	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	<0.0196	<0.0187	<0.0184	<0.0196					1
Δ9-THCA (%AR)	002.10	Other LC-UV	196	<0.0205	<0.0205	<0.0205	<0.0205					1
Δ9-THCA (%AR)	002.10	Other LC-UV	149	<0.0400	<0.0400	<0.0400	<0.0400					1
Δ9-THCA (%AR)	002.10	Other LC-UV	184	<0.0400	<0.0400	<0.0400	<0.0400					1
Δ9-THCA (%AR)	002.01	AOAC 2018.10	210	<0.0490	<0.0500	<0.0480	<0.0490					1
Δ9-THCA (%AR)	002.60	NIR	187	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.30	Other LC-MS	190	0.0002	0.0002		0.0002					0
Δ9-THCA (%AR)	002.99	Other	183	0	0	0	0					2
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0046	0.0046	0.0036	0.0043					0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0089	0.0098	0.0094	0.0094					0
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.029	0.033	0	0.031					0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0337	0.0307	0.0312	0.0319					0

CBD (%AR)

CBD (%AR)	003.10	Other LC-UV	192	1.3319	1.171	1.1941	1.23	-3.23	1.6739	24	0.1367	0
CBD (%AR)	003.60	NIR	187	0.7	1.9	1.2	1.27	-2.98	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	189	1.351	1.3544	1.3438	1.35	-2.37	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	184	1.5875	1.5309	1.5262	1.55	-0.92	1.6739	24	0.1367	0
CBD (%AR)	003.99	Other	183	1.821	1.492	1.441	1.58	-0.65	1.6739	24	0.1367	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBD (%AR)	003.10	Other LC-UV	170	1.6675	1.5559	1.5577	1.59	-0.59	1.6739	24	0.1367	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	1.62	1.59	1.56	1.59	-0.61	1.6739	24	0.1367	0
CBD (%AR)	003.30	Other LC-MS	122	1.6012	1.6012	1.6016	1.6	-0.53	1.6739	24	0.1367	0
CBD (%AR)	003.01	AOAC 2018.10	210	1.617	1.595	1.584	1.6	-0.55	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	149	1.66	1.678	1.636	1.66	-0.12	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	200	1.664	1.706	1.645	1.67	-0.02	1.6739	24	0.1367	0
CBD (%AR)	003.30	Other LC-MS	149	1.744	1.579	1.729	1.68	0.07	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	204	1.7111	1.7148	1.7137	1.71	0.29	1.6739	24	0.1367	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	1.8043	1.6878	1.6285	1.71	0.24	1.6739	24	0.1367	0
CBD (%AR)	003.30	Other LC-MS	102	1.7002	1.6149	1.8076	1.71	0.25	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	194	1.731	1.7488	1.6932	1.72	0.37	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	106	1.74	1.71	1.73	1.73	0.39	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	155	1.63	1.81	1.76	1.73	0.43	1.6739	24	0.1367	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	1.7115	1.757	1.73	1.73	0.43	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	196	1.7711	1.77	1.777	1.77	0.72	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	162	1.8666	1.7815	1.7837	1.81	1	1.6739	24	0.1367	0
CBD (%AR)	003.10	Other LC-UV	197	1.8188	1.8331	1.8981	1.85	1.29	1.6739	24	0.1367	0
CBD (%AR)	003.30	Other LC-MS	190	1.891	1.892		1.89	1.59	1.6739	24	0.1367	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	3.178	3.233	3.229	3.21	11.26	1.6739	24	0.1367	0

CBDA (%AR)

CBDA (%AR)	004.10	Other LC-UV	184	0.0339	0.0327	0.0338	0.0335	-3.81	0.0597	22	0.0069	0
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Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBDA (%AR)	004.10	Other LC-UV	192	0.042	0.0399	0.0393	0.0404	-2.8	0.0597	22	0.0069	0
CBDA (%AR)	004.30	Other LC-MS	149	0.055	0.049	0.056	0.0533	-0.92	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	189	0.0553	0.0558	0.0538	0.055	-0.68	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	196	0.0544	0.0566	0.0583	0.0564	-0.47	0.0597	22	0.0069	0
CBDA (%AR)	004.01	AOAC 2018.10	210	0.057	0.054	0.057	0.056	-0.53	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	197	0.0555	0.0589	0.0569	0.0571	-0.37	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	162	0.0583	0.0557	0.0556	0.0565	-0.46	0.0597	22	0.0069	0
CBDA (%AR)	004.30	Other LC-MS	190	0.065	0.052		0.0585	-0.17	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	200	0.058	0.058	0.058	0.058	-0.24	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	204	0.0574	0.0574	0.0583	0.0577	-0.29	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	149	0.058	0.057	0.058	0.0577	-0.29	0.0597	22	0.0069	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	0.0585	0.06	0.0595	0.0593	-0.05	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	106	0.06	0.06	0.06	0.06	0.05	0.0597	22	0.0069	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	0.0614	0.0599	0.0606	0.0606	0.14	0.0597	22	0.0069	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	0.0693	0.0605	0.0596	0.0631	0.5	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	194	0.0633	0.0625	0.062	0.0626	0.43	0.0597	22	0.0069	0
CBDA (%AR)	004.99	Other	183	0.073	0.057	0.058	0.0627	0.44	0.0597	22	0.0069	0
CBDA (%AR)	004.30	Other LC-MS	122	0.0691	0.0698	0.0694	0.0694	1.42	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	170	0.0606	0.0787	0.0807	0.0733	1.99	0.0597	22	0.0069	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	0.115	0.119	0.111	0.115	8.05	0.0597	22	0.0069	0
CBDA (%AR)	004.10	Other LC-UV	155	0.112	0.133	0.119	0.121	8.97	0.0597	22	0.0069	0
CBDA (%AR)	004.60	NIR	187	0.65	<0.0500	<0.0500	0.25					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			CBN (%AR)									
CBN (%AR)	005.10	Other LC-UV	149	<0.0400	<0.0400	<0.0400	<0.0400					1
CBN (%AR)	005.10	Other LC-UV	210	<0.0460	<0.0460	<0.0450	<0.0460					1
CBN (%AR)	005.20	Other LC-MS	102	<0.0489	<0.0468	<0.0377	<0.0489					1
CBN (%AR)	005.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500	<0.0500					1
CBN (%AR)	005.10	Other LC-UV	192	0.0209	0.0183	0.0183	0.0192	-2.92	0.0325	17	0.0045	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.0192	0.0276	0.0311	0.026	-1.43	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	189	0.027	0.0272	0.0266	0.0269	-1.22	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	106	0.03	0.03	0.03	0.03	-0.54	0.0325	17	0.0045	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0347	0.0287	0.0305	0.0313	-0.26	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	196	0.0314	0.0302	0.0318	0.0311	-0.29	0.0325	17	0.0045	0
CBN (%AR)	005.20	Other LC-MS	149	0.031	0.03	0.033	0.0313	-0.25	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	194	0.0318	0.0321	0.0316	0.0318	-0.14	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	204	0.0329	0.032	0.0318	0.0322	-0.05	0.0325	17	0.0045	0
CBN (%AR)	005.99	Other	183	0.037	0.031	0.03	0.0327	0.04	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	200	0.033	0.033	0.033	0.033	0.12	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	197	0.0345	0.0358	0.0358	0.0354	0.64	0.0325	17	0.0045	0
CBN (%AR)	005.10	Other LC-UV	162	0.0352	0.0344	0.0342	0.0346	0.47	0.0325	17	0.0045	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0363	0.0352	0.0357	0.0357	0.72	0.0325	17	0.0045	0
CBN (%AR)	005.30	GC-FID	138	0.0314	0.0418	0.0337	0.0356	0.7	0.0325	17	0.0045	0
CBN (%AR)	005.20	Other LC-MS	190	0.041	0.04		0.0405	1.77	0.0325	17	0.0045	0
CBN (%AR)	005.20	Other LC-MS	122	0.0491	0.0485	0.0488	0.0488	3.59	0.0325	17	0.0045	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total Δ9-THC (%AR)												
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	120	0.0672	0.0655	0.0691	0.0673	-2.33	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.082	0.0877	0.0828	0.0842	-1.25	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.0888	0.0938	0.0915	0.0914	-0.79	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.093	0.0905	0.0962	0.0932	-0.67	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.094	0.098	0.093	0.095	-0.56	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.99	Other	183	0.109	0.093	0.084	0.0953	-0.53	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.096	0.096	0.0955	0.0958	-0.5	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	149	0.109	0.093	0.093	0.0983	-0.34	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	200	0.099	0.1	0.099	0.0993	-0.28	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.0806	0.1096	0.1052	0.0985	-0.33	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	194	0.1014	0.1003	0.0994	0.1	-0.21	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.1019	0.0999	0.099	0.1	-0.22	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.1077	0.0962	0.0979	0.101	-0.2	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.1006	0.102	0.0998	0.101	-0.19	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.0995	0.1019	0.1093	0.104	-0.01	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.105	0.103	0.104	0.104	0.02	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.1035	0.1056	0.1045	0.105	0.05	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.1003	0.103	0.113	0.105	0.11	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	210	0.129	0.129	0.12	0.126	1.42	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	204	0.1756	0.1768	0.1784	0.177	4.68	0.1037	23	0.0157	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.152	0.164	0.215	0.177	4.68	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.19	0.191	0.193	0.191	5.59	0.1037	23	0.0157	0
Total Δ9-THC (%AR)	006.60	NIR	187	1.1	0.8	0.6	0.833	46.58	0.1037	23	0.0157	0

Total CBD (%AR)

Total CBD (%AR)	007.01	AOAC 2018.10	210	0.17	0.167	0.162	0.166	-7.43	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	192	1.3687	1.206	1.2285	1.27	-2.21	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	189	1.3995	1.4034	1.391	1.4	-1.6	1.7351	21	0.2111	0
Total CBD (%AR)	007.60	NIR	187	1.3	1.9	1.2	1.47	-1.27	1.7351	21	0.2111	0
Total CBD (%AR)	007.99	Other	183	1.885	1.542	1.492	1.64	-0.45	1.7351	21	0.2111	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	1.68	1.64	1.62	1.65	-0.42	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	149	1.66	1.678	1.636	1.66	-0.37	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	200	1.715	1.757	1.696	1.72	-0.06	1.7351	21	0.2111	0
Total CBD (%AR)	007.30	Other LC-MS	149	1.792	1.622	1.778	1.73	-0.02	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	204	1.7614	1.7651	1.7648	1.76	0.14	1.7351	21	0.2111	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	1.8651	1.7408	1.6808	1.76	0.13	1.7351	21	0.2111	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	1.7628	1.8096	1.7822	1.78	0.24	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	194	1.7865	1.8036	1.7476	1.78	0.21	1.7351	21	0.2111	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	1.5453	1.9466	1.9469	1.81	0.37	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	196	1.8188	1.8196	1.8281	1.82	0.41	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	155	1.73	1.93	1.86	1.84	0.5	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	162	1.9177	1.83	1.832	1.86	0.59	1.7351	21	0.2111	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total CBD (%AR)	007.40	GC-FID	138	1.7909	1.8986	1.9756	1.89	0.73	1.7351	21	0.2111	0
Total CBD (%AR)	007.10	Other LC-UV	197	1.8675	1.8848	1.948	1.9	0.78	1.7351	21	0.2111	0
Total CBD (%AR)	007.40	GC-FID	169	2.1951	2.1289	2.1751	2.17	2.04	1.7351	21	0.2111	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	3.2789	3.3374	3.3263	3.31	7.48	1.7351	21	0.2111	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	106	<0.0100	<0.0100	<0.0100	<0.0100					1
CBDV (%AR)	008.99	Other	197	<0.0138	<0.0132	<0.0151	<0.0138					1
CBDV (%AR)	008.99	Other	196	<0.0210	<0.0210	<0.0210	<0.0210					1
CBDV (%AR)	008.02	AOAC 2018.11, U	210	<0.0450	<0.0460	<0.0450	<0.0450					1
CBDV (%AR)	008.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500	<0.0500					1
CBDV (%AR)	008.99	Other	189	0.0094	0.0097	0.0107	0.0099	-1.34	0.0123	6	0.0018	0
CBDV (%AR)	008.99	Other	149	0.012	0.011	0.011	0.0113	-0.56	0.0123	6	0.0018	0
CBDV (%AR)	008.99	Other	194	0.0126	0.0124	0.0125	0.0125	0.09	0.0123	6	0.0018	0
CBDV (%AR)	008.99	Other	200	0.013	0.013	0.013	0.013	0.37	0.0123	6	0.0018	0
CBDV (%AR)	008.99	Other	183	0.014	0.012	0.012	0.0127	0.18	0.0123	6	0.0018	0
CBDV (%AR)	008.99	Other	162	0.0158	0.0156	0.0124	0.0146	1.26	0.0123	6	0.0018	0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	197	<0.0092	<0.0088	<0.0101	<0.0092					1
CBDVA (%AR)	009.99	Other	196	<0.0210	<0.0210	<0.0210	<0.0210					1
CBDVA (%AR)	009.99	Other	149	<0.0400	<0.0400	<0.0400	<0.0400					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBDVA (%AR)	009.01	AOAC 2018.10	210	<0.0490	<0.0490	<0.0480	<0.0490					1
CBDVA (%AR)	009.99	Other	183	0	0	0	0					2

CBG (%AR)

CBG (%AR)	010.99	Other	149	0.068	0.065	0.066	0.0663	-1.27	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	197	0.0603	0.0706	0.0671	0.066	-1.32	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	196	0.0732	0.0717	0.0712	0.072	-0.54	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	183	0.085	0.071	0.065	0.0737	-0.33	0.0762	12	0.0078	0
CBG (%AR)	010.02	AOAC 2018.11, U	199	0.075	0.0755	0.0755	0.0753	-0.12	0.0762	12	0.0078	0
CBG (%AR)	010.01	AOAC 2018.10	210	0.076	0.076	0.074	0.0753	-0.12	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	194	0.0764	0.0758	0.0754	0.0759	-0.05	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	162	0.0819	0.0711	0.078	0.077	0.1	0.0762	12	0.0078	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.0786	0.0762	0.0776	0.0775	0.16	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	200	0.08	0.08	0.08	0.08	0.48	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	189	0.0951	0.0956	0.0939	0.0949	2.4	0.0762	12	0.0078	0
CBG (%AR)	010.99	Other	106	0.14	0.13	0.13	0.133	7.35	0.0762	12	0.0078	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	194	<0.0067	<0.0067	<0.0067	<0.0067					1
CBGA (%AR)	011.99	Other	197	<0.0092	<0.0088	<0.0101	<0.0092					1
CBGA (%AR)	011.99	Other	162	<0.0100	<0.0100	<0.0100	<0.0100					1
CBGA (%AR)	011.99	Other	106	<0.0100	<0.0100	<0.0100	<0.0100					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBGA (%AR)	011.99	Other	196	<0.0210	<0.0210	<0.0210	<0.0210					1
CBGA (%AR)	011.99	Other	149	<0.0400	<0.0400	<0.0400	<0.0400					1
CBGA (%AR)	011.01	AOAC 2018.10	210	<0.0490	<0.0490	<0.0480	<0.0490					1
CBGA (%AR)	011.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500	<0.0500					1
CBGA (%AR)	011.99	Other	183	0	0	0	0					2
CBGA (%AR)	011.02	AOAC 2018.11, U	125	<0.0020	0.0021	0.0018	0.002					0
CBGA (%AR)	011.99	Other	189	0.0031	0.0033	0.0028	0.0031					0
CBGA (%AR)	011.99	Other	204	0.0766	0.0741	0.0767	0.0758					0

THCV (%AR)

THCV (%AR)	012.99	Other	200	<0.0050	<0.0050	<0.0050	<0.0050					1
THCV (%AR)	012.99	Other	194	<0.0067	<0.0067	<0.0067	<0.0067					1
THCV (%AR)	012.99	Other	197	<0.0092	<0.0088	<0.0101	<0.0092					1
THCV (%AR)	012.99	Other	106	<0.0100	<0.0100	<0.0100	<0.0100					1
THCV (%AR)	012.99	Other	196	<0.0210	<0.0210	<0.0210	<0.0210					1
THCV (%AR)	012.99	Other	149	<0.0400	<0.0400	<0.0400	<0.0400					1
THCV (%AR)	012.02	AOAC 2018.11, U	210	<0.0460	<0.0460	<0.0450	<0.0460					1
THCV (%AR)	012.99	Other	183	0	0	0	0					2
THCV (%AR)	012.99	Other	189	0.0033	0.0032	0.0029	0.0031					0

Δ8-THC (%AR)

Δ8-THC (%AR)	013.99	Other	189	0.2305	0.2324	0.2279	0.23	-2.91	0.2688	14	0.0132	0
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Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ8-THC (%AR)	013.99	Other	196	0.2543	0.251	0.255	0.253	-1.16	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	106	0.27	0.26	0.24	0.257	-0.92	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	149	0.258	0.264	0.251	0.258	-0.84	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	183	0.297	0.253	0.242	0.264	-0.36	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	194	0.2676	0.2673	0.2653	0.267	-0.15	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.01	AOAC 2018.10	210	0.276	0.271	0.264	0.27	0.12	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	162	0.2726	0.2508	0.2894	0.271	0.16	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	102	0.2647	0.2647	0.29	0.273	0.33	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	197	0.2579	0.28	0.2818	0.273	0.34	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	200	0.275	0.275	0.273	0.274	0.42	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.99	Other	138	0.2738	0.2845	0.2857	0.281	0.95	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	199	0.2815	0.2855	0.283	0.283	1.1	0.2688	14	0.0132	0
Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	0.3401	0.3316	0.3186	0.33	4.64	0.2688	14	0.0132	0

CBC (%AR)

CBC (%AR)	014.99	Other	189	0.0855	0.0859	0.0849	0.0854	-1.42	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	162	0.092	0.0876	0.088	0.0892	-0.72	0.093	13	0.0053	0
CBC (%AR)	014.01	AOAC 2018.10	210	0.092	0.089	0.09	0.0903	-0.51	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	106	0.09	0.09	0.09	0.09	-0.57	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	183	0.103	0.085	0.081	0.0897	-0.63	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	196	0.0909	0.0922	0.0858	0.0896	-0.64	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	149	0.093	0.09	0.093	0.092	-0.19	0.093	13	0.0053	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBC (%AR)	014.99	Other	194	0.0947	0.0934	0.0929	0.0937	0.12	0.093	13	0.0053	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.0962	0.0935	0.0949	0.0949	0.34	0.093	13	0.0053	0
CBC (%AR)	014.02	AOAC 2018.11, U	199	0.0955	0.0985	0.095	0.0963	0.62	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	197	0.0907	0.102	0.0959	0.0962	0.59	0.093	13	0.0053	0
CBC (%AR)	014.99	Other	200	0.107	0.107	0.107	0.107	2.62	0.093	13	0.0053	0
CBC (%AR)	014.02	AOAC 2018.11, U	103	0.188	0.188	0.188	0.188	17.8	0.093	13	0.0053	0

Cd (ug/g AR)

Cd (ug/g AR)	101.04	ICP-MS	194	<0.0200	<0.0200	<0.0200	<0.0200					1
Cd (ug/g AR)	101.04	ICP-MS	196	<0.0241	<0.0241	<0.0241	<0.0241					1
Cd (ug/g AR)	101.04	ICP-MS	106	<0.0800	<0.0800	<0.0800	<0.0800					1
Cd (ug/g AR)	101.04	ICP-MS	197	<0.0971	<0.0969	<0.0986	<0.0971					1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Cd (ug/g AR)	101.04	ICP-MS	183	0	0	0	0					2
Cd (ug/g AR)	101.04	ICP-MS	102	0.002	0.0033	0.0032	0.0028					0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	194	<0.0200	<0.0200	<0.0200	<0.0200					1
As (ug/g AR)	102.04	ICP-MS	196	<0.0482	<0.0482	<0.0482	<0.0482					1
As (ug/g AR)	102.04	ICP-MS	106	<0.0800	<0.0800	<0.0800	<0.0800					1
As (ug/g AR)	102.04	ICP-MS	197	<0.0971	<0.0969	<0.0986	<0.0971					1
As (ug/g AR)	102.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
As (ug/g AR)	102.04	ICP-MS	183	0	0	0	0					2
As (ug/g AR)	102.04	ICP-MS	102	0.0073	0.0064	0.0062	0.0066					0
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0072	<0.0072	<0.0072	<0.0072					1
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0080	<0.0080	<0.0080	<0.0080					1
Hg (ug/g AR)	103.04	ICP-MS	194	<0.0200	<0.0200	<0.0200	<0.0200					1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0971	<0.0969	<0.0986	<0.0971					1
Hg (ug/g AR)	103.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Hg (ug/g AR)	103.04	ICP-MS	102	0.0038	0.0036	0.0036	0.0037					0
Hg (ug/g AR)	103.04	ICP-MS	183	0.006	0.005	0.005	0.0053					0
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	194	<0.0200	<0.0200	<0.0200	<0.0200					1
Pb (ug/g AR)	104.04	ICP-MS	196	<0.0241	<0.0241	<0.0241	<0.0241					1
Pb (ug/g AR)	104.04	ICP-MS	106	<0.0800	<0.0800	<0.0800	<0.0800					1
Pb (ug/g AR)	104.04	ICP-MS	197	<0.0971	<0.0969	<0.0986	<0.0971					1
Pb (ug/g AR)	104.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Pb (ug/g AR)	104.04	ICP-MS	183	0	0	0	0					2
Pb (ug/g AR)	104.04	ICP-MS	102	0.0376	0.0543	0.0563	0.0494					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Cu (ug/g AR)									
Cu (ug/g AR)	105.04	ICP-MS	196	<0.4893	<0.4893	<0.4893	<0.4893					1
			Ni (ug/g AR)									
Ni (ug/g AR)	106.04	ICP-MS	196	<0.0722	<0.0722	<0.0722	<0.0722					1
Ni (ug/g AR)	106.04	ICP-MS	102	0.031	0.0203	0.0205	0.0239					0
			Cr (ug/g AR)									
Cr (ug/g AR)	107.04	ICP-MS	196	<0.0722	<0.0722	<0.0722	<0.0722					1
Cr (ug/g AR)	107.04	ICP-MS	197	<0.0971	<0.0969	<0.0986	<0.0971					1
			Se (ug/g AR)									
Se (ug/g AR)	108.04	ICP-MS	196	<0.0963	<0.0963	<0.0963	<0.0963					1
Se (ug/g AR)	108.04	ICP-MS	197	<0.0971	<0.0969	<0.0986	<0.0971					1
Se (ug/g AR)	108.04	ICP-MS	102	0.0319	0.0308	0.0222	0.0283					0
			Ag (ug/g AR)									
Ag (ug/g AR)	109.04	ICP-MS	102	<0.0030	<0.0030	<0.0030	<0.0030					1
			Zn (ug/g AR)									
Zn (ug/g AR)	111.04	ICP-MS	196	<0.4893	<0.4893	<0.4893	<0.4893					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Sb (ug/g AR)												
Sb (ug/g AR)	112.04	ICP-MS	102	<0.0040	<0.0040	<0.0040	<0.0040					1
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0241	<0.0241	<0.0241	<0.0241					1
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	<0.0625	<0.0625	<0.0625	<0.0625					1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	194	0.0102	0.0116	0.0107	0.0108					0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183	0.031	0.034	0.032	0.0323					0
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
beta-Caryophyllene (%)	202.02	GC,MS	196	<0.0625	<0.0625	<0.0625	<0.0625					1
beta-Caryophyllene (%)	202.02	GC,MS	194	0.0094	0.0096	0.0096	0.0095					0
beta-Caryophyllene (%)	202.02	GC,MS	183	0.013	0.011	0.012	0.012					0
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.0625	<0.0625	<0.0625	<0.0625					1
(-)-Caryophyllene oxide	203.02	GC,MS	183	0.003	0.001	0.001	0.0017					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Geraniol (%AR)												
Geraniol (%AR)	204.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
Geraniol (%AR)	204.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
Geraniol (%AR)	204.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Humulene (%AR)	205.02	GC,MS	196	<0.0625	<0.0625	<0.0625	<0.0625					1
alpha-Humulene (%AR)	205.02	GC,MS	183	0.004	0.004	0.004	0.004					0
alpha-Humulene (%AR)	205.02	GC,MS	194	0.0047	0.0049	0.0048	0.0048					0
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
d-Limonene (%AR)	206.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
d-Limonene (%AR)	206.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
Linalool (%AR)	207.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Linalool (%AR)	207.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
beta-Myrcene (%AR)	208.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
Ocimene (%AR)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Ocimene (%AR)	210.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Pinene (%AR)	211.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
(-)-beta-Pinene (%AR)	212.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Terpinene (%AR)	213.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinene (%AR)	213.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
gamma-Terpinene (%A	214.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	194	<0.0004	<0.0004	<0.0004	<0.0004					1
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinolene (%A	215.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	

1. Flag definitions: 1 (Lab Value not used because there were less than 2 numeric lab results), 2 (Lab Value not used because there were less than 2 numeric lab results greater than 0).
2. Robust statistics performed to determine robust mean and Z scores only if there were 6 or more numeric lab values.
3. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.