

Hemp Proficiency Testing

All Labs Precision

OL23NOV-1 (oil)



Sample: OL23NOV-1 (oil)

All Labs Precision

Issue Date: January 7, 2024

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.01	AOAC 2018.10	210	<0.0670	<0.0690	<0.0700						1
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.068	0.067							1
Δ9-THC (%AR)	001.99	Other	183	0.0858	0.0854	0.086	0.36	0.06	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.0775	0.0785	0.0765	1.29	0.22	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.0676	0.0659	0.0664	1.31	0.22	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.0742	0.0732	0.0716	1.8	0.3	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.0702	0.0674	0.0692	2.06	0.35	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.0694	0.0666	0.0667	2.35	0.39	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.058	0.057	0.055	2.7	0.44	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.99	Other	215	0.0628	0.0597	0.0624	2.74	0.45	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.076	0.08	0.073	4.6	0.78	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0033	0.0031	0.0028	8.21	0.86	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.058	0.0521	0.0561	5.44	0.88	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.0891	0.0802	0.0754	8.52	1.47	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.06	0.06	0.07	9.12	1.51	4.67	0.36	10.5	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.0726	0.0869	0.0817	9	1.55	4.67	0.36	10.5	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.076	0.065	0.08	10.5	1.79	4.67	0.36	10.5	0

Δ9-THCA (%AR)												
Δ9-THCA (%AR)	002.99	Other	183	<0.0076	<0.0076	<0.0076						1
Δ9-THCA (%AR)	002.10	Other LC-UV	196	<0.0210	<0.0210	<0.0210						1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	<0.0480	<0.0480	<0.0480						1
Δ9-THCA (%AR)	002.99	Other	215	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	<0.0300	<0.0300	<0.0300						1
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	<0.0125	<0.0125	<0.0125						1
Δ9-THCA (%AR)	002.10	Other LC-UV	144	<0.0100	<0.0100	<0.0100						1
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0	0	0.0024						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	<0.0200	<0.0200	<0.0200						1
Δ9-THCA (%AR)	002.10	Other LC-UV	162	<0.0100	<0.0100	<0.0100						1
Δ9-THCA (%AR)	002.01	AOAC 2018.10	210	<0.0230	<0.0250	<0.0230						1
Δ9-THCA (%AR)	002.30	Other LC-MS	190	<0.0010	<0.0010							1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0101	<0.0101	<0.0090						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0135	0.0142	0.0136	2.75	0.36				0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.343	0.356	0.324	4.72	1.01				0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0087	0.0121	0.0071	27.5	3.41				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
		CBD (%AR)										
CBD (%AR)	003.30	Other LC-MS	190	3.343	3.43							1
CBD (%AR)	003.99	Other	183	4.48	4.48	4.48	0	0	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	189	3.5271	3.5207	3.532	0.16	0.05	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	170	3.3348	3.3116	3.3355	0.41	0.12	1.37	0	4.31	0
CBD (%AR)	003.01	AOAC 2018.10	210	4.055	4.023	4.045	0.4	0.13	1.37	0	4.31	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	4.0095	4.0085	4.0395	0.44	0.14	1.37	0	4.31	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	4.23	4.24	4.19	0.63	0.19	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	106	4.1	4.04	4.05	0.79	0.24	1.37	0	4.31	0
CBD (%AR)	003.99	Other	215	3.4309	3.4388	3.5034	1.15	0.35	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	162	4.0117	3.9202	3.9423	1.21	0.37	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	192	0.1969	0.2032	0.1967	1.86	0.37	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	196	3.8675	3.7859	3.895	1.47	0.45	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	197	4.2921	4.3234	4.4531	1.96	0.61	1.37	0	4.31	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	2.428	2.333	2.4367	2.4	0.69	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	144	4.003	4.0879	4.2342	2.85	0.88	1.37	0	4.31	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	4.113	4.115	3.905	2.98	0.92	1.37	0	4.31	0
CBD (%AR)	003.10	Other LC-UV	184	4.296	4.612	4.273	4.31	1.35	1.37	0	4.31	0
		CBDA (%AR)										
CBDA (%AR)	004.30	Other LC-MS	190	0.015	0.016							1
CBDA (%AR)	004.10	Other LC-UV	162	<0.0100	<0.0100	<0.0100						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBDA (%AR)	004.99	Other	183	<0.0043	<0.0043	<0.0043						1
CBDA (%AR)	004.10	Other LC-UV	106	<0.0300	<0.0300	0.03						1
CBDA (%AR)	004.10	Other LC-UV	197	<0.0152	<0.0152	<0.0136						1
CBDA (%AR)	004.10	Other LC-UV	196	0.0282	0.0278	0.0279	0.74	0.11	4.14	0.74	35.3	0
CBDA (%AR)	004.01	AOAC 2018.10	210	0.037	0.036	0.036	1.59	0.24	4.14	0.74	35.3	0
CBDA (%AR)	004.10	Other LC-UV	184	0.033	0.033	0.032	1.77	0.27	4.14	0.74	35.3	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	0.023	0.024	0.024	2.44	0.35	4.14	0.74	35.3	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	0.018	0.018	0.017	3.27	0.45	4.14	0.74	35.3	0
CBDA (%AR)	004.99	Other	215	0.0166	0.0175	0.0162	3.97	0.54	4.14	0.74	35.3	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	0.0197	0.019	0.0206	4.06	0.56	4.14	0.74	35.3	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	0.004	0.0038	0.0035	6.68	0.72	4.14	0.74	35.3	0
CBDA (%AR)	004.10	Other LC-UV	144	0.0148	0.0166	0.0164	6.19	0.83	4.14	0.74	35.3	0
CBDA (%AR)	004.10	Other LC-UV	189	0.0132	0.0148	0.0133	6.51	0.86	4.14	0.74	35.3	0
CBDA (%AR)	004.10	Other LC-UV	192	0.0003	0.0006	0.0004	35.3	2.76	4.14	0.74	35.3	0

CBN (%AR)												
CBN (%AR)	005.20	Other LC-MS	190	0.037	0.038							1
CBN (%AR)	005.10	Other LC-UV	162	0.0393	0.0395	0.0392	0.39	0.06	6.21	0.39	17.6	0
CBN (%AR)	005.10	Other LC-UV	189	0.0349	0.0349	0.0345	0.66	0.1	6.21	0.39	17.6	0
CBN (%AR)	005.99	Other	183	0.0437	0.0437	0.0443	0.79	0.12	6.21	0.39	17.6	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.0335	0.033	0.0335	0.87	0.13	6.21	0.39	17.6	0
CBN (%AR)	005.10	Other LC-UV	196	0.0347	0.0353	0.0355	1.18	0.18	6.21	0.39	17.6	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBN (%AR)	005.10	Other LC-UV	197	0.0329	0.0321	0.0312	2.65	0.4	6.21	0.39	17.6	0
CBN (%AR)	005.10	Other LC-UV	144	0.0308	0.0293	0.0315	3.68	0.55	6.21	0.39	17.6	0
CBN (%AR)	005.30	GC-FID	138	0.0422	0.0448	0.0415	4.06	0.63	6.21	0.39	17.6	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0446	0.0386	0.0441	7.85	1.22	6.21	0.39	17.6	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0286	0.0317	0.0343	9.05	1.35	6.21	0.39	17.6	0
CBN (%AR)	005.10	Other LC-UV	192	0.002	0.0025	0.0019	15.1	1.5	6.21	0.39	17.6	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.0341	0.0288	0.0239	17.6	2.6	6.21	0.39	17.6	0
CBN (%AR)	005.10	Other LC-UV	106	0.03	0.04	0.03	17.3	2.61	6.21	0.39	17.6	0

Total Δ9-THC (%AR)

Total Δ9-THC (%AR)	006.01	AOAC 2018.10	210	<0.0870	<0.0910	<0.0900						1
Total Δ9-THC (%AR)	006.30	Other LC-MS	190	0.068	0.067							1
Total Δ9-THC (%AR)	006.99	Other	183	0.0858	0.0854	0.086	0.36	0.06	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.0795	0.0783	0.0783	0.88	0.15	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.0677	0.066	0.0667	1.28	0.21	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.0775	0.0785	0.0765	1.29	0.22	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.0702	0.0674	0.0692	2.06	0.35	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.058	0.057	0.055	2.7	0.44	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.0674	0.07	0.0721	3.37	0.57	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.0818	0.0838	0.0778	3.77	0.65	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.0694	0.0638	0.0668	4.2	0.7	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.058	0.0521	0.0561	5.44	0.88	5.23	0.36	24.9	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.0891	0.0802	0.0754	8.52	1.47	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.0726	0.0869	0.0817	9	1.55	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.076	0.065	0.08	10.5	1.79	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.0779	0.0616	0.0591	15.4	2.57	5.23	0.36	24.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.0033	0.0031	0.0048	24.9	2.7	5.23	0.36	24.9	0

Total CBD (%AR)

Total CBD (%AR)	007.30	Other LC-MS	190	3.356	3.444							1
Total CBD (%AR)	007.99	Other	183	4.48	4.48	4.48	0	0	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	189	3.5387	3.5337	3.5437	0.14	0.04	1.46	0	11.5	0
Total CBD (%AR)	007.40	GC-FID	138	4.9075	4.9177	4.8977	0.2	0.06	1.46	0	11.5	0
Total CBD (%AR)	007.01	AOAC 2018.10	210	4.087	4.054	4.076	0.41	0.13	1.46	0	11.5	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	4.0297	4.0295	4.0605	0.44	0.14	1.46	0	11.5	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	4.24	4.26	4.21	0.59	0.18	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	215	3.4454	3.4541	3.5176	1.14	0.34	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	162	4.0117	3.9202	3.9423	1.21	0.37	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	192	0.1971	0.2038	0.1971	1.94	0.38	1.46	0	11.5	0
Total CBD (%AR)	007.40	GC-FID	169	4.726	4.7474	4.849	1.38	0.44	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	196	3.8922	3.8103	3.9194	1.47	0.45	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	197	4.2921	4.3234	4.4531	1.96	0.61	1.46	0	11.5	0
Total CBD (%AR)	007.10	Other LC-UV	144	4.016	4.1025	4.2486	2.85	0.88	1.46	0	11.5	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	4.1288	4.1308	3.9199	2.99	0.92	1.46	0	11.5	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	3.6581	3.615	3.8357	3.16	0.96	1.46	0	11.5	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	3.1515	3.7001	3.9641	11.5	3.49	1.46	0	11.5	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	196	<0.0210	<0.0210	<0.0210						1
CBDV (%AR)	008.02	AOAC 2018.11, U	210	<0.0210	<0.0230	<0.0220						1
CBDV (%AR)	008.99	Other	197	<0.0101	<0.0101	<0.0090						1
CBDV (%AR)	008.99	Other	106	0.03	0.03	0.03	0	0				0
CBDV (%AR)	008.99	Other	189	0.0137	0.0134	0.0136	1.13	0.15				0
CBDV (%AR)	008.02	AOAC 2018.11, U	199	0.0555	0.0565	0.0555	1.03	0.17				0
CBDV (%AR)	008.99	Other	183	0.0348	0.0388	0.037	5.43	0.83				0
CBDV (%AR)	008.99	Other	162	0.0232	0.0239	0.0173	16.9	2.38				0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	196	<0.0210	<0.0210	<0.0210						1
CBDVA (%AR)	009.99	Other	183	<0.0021	<0.0021	<0.0021						1
CBDVA (%AR)	009.99	Other	197	<0.0101	<0.0101	<0.0090						1
CBDVA (%AR)	009.01	AOAC 2018.10	210	0.023	0.025	0.023	4.88	0.7				0

CBG (%AR)

CBG (%AR)	010.02	AOAC 2018.11, U	199	0.081	0.0795	0.081	1.08	0.18	2.98	1.08	9.12	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.0882	0.0897	0.0875	1.27	0.22	2.98	1.08	9.12	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBG (%AR)	010.99	Other	162	0.0884	0.0856	0.0872	1.61	0.28	2.98	1.08	9.12	0
CBG (%AR)	010.99	Other	196	0.0669	0.0666	0.0687	1.69	0.28	2.98	1.08	9.12	0
CBG (%AR)	010.99	Other	183	0.104	0.107	0.104	1.65	0.29	2.98	1.08	9.12	0
CBG (%AR)	010.99	Other	189	0.0766	0.0789	0.0792	1.82	0.31	2.98	1.08	9.12	0
CBG (%AR)	010.99	Other	197	0.0542	0.0564	0.0534	2.84	0.46	2.98	1.08	9.12	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.084	0.085	0.078	4.6	0.79	2.98	1.08	9.12	0
CBG (%AR)	010.01	AOAC 2018.10	210	0.071	0.064	0.063	6.6	1.1	2.98	1.08	9.12	0
CBG (%AR)	010.99	Other	106	0.06	0.06	0.07	9.12	1.51	2.98	1.08	9.12	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	106	<0.0300	<0.0300	<0.0300						1
CBGA (%AR)	011.99	Other	197	<0.0101	<0.0101	<0.0090						1
CBGA (%AR)	011.99	Other	196	<0.0210	<0.0210	<0.0210						1
CBGA (%AR)	011.99	Other	162	<0.0100	<0.0100	<0.0100						1
CBGA (%AR)	011.99	Other	183	<0.0049	<0.0049	<0.0049						1
CBGA (%AR)	011.01	AOAC 2018.10	210	<0.0230	<0.0250	<0.0230						1
CBGA (%AR)	011.99	Other	189	0.0152	0.0151	0.0149	1.01	0.14				0
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.03	0.03	0.029	1.95	0.29				0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.0133	0.0137	0.0148	5.57	0.74				0

THCV (%AR)

THCV (%AR)	012.99	Other	197	<0.0101	<0.0101	<0.0090						1
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Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
THCV (%AR)	012.02	AOAC 2018.11, U	210	<0.0210	<0.0230	<0.0220						1
THCV (%AR)	012.99	Other	183	<0.0069	<0.0069	<0.0069						1
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300						1
THCV (%AR)	012.99	Other	196	<0.0210	<0.0210	<0.0210						1
THCV (%AR)	012.99	Other	189	0.0091	0.0093	0.0094	1.65	0.2				0

Δ8-THC (%AR)

Δ8-THC (%AR)	013.99	Other	106	0.04	0.04	0.04	0	0	4.78	0	12.4	0
Δ8-THC (%AR)	013.99	Other	138	0.0814	0.082	0.0822	0.51	0.09	4.78	0	12.4	0
Δ8-THC (%AR)	013.99	Other	189	0.0377	0.0362	0.0369	2.03	0.31	4.78	0	12.4	0
Δ8-THC (%AR)	013.99	Other	196	0.0246	0.0235	0.0241	2.29	0.33	4.78	0	12.4	0
Δ8-THC (%AR)	013.99	Other	183	0.0342	0.0356	0.0334	3.24	0.49	4.78	0	12.4	0
Δ8-THC (%AR)	013.99	Other	162	0.0301	0.0321	0.0318	3.44	0.51	4.78	0	12.4	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	199	0.0275	0.0255	0.0255	4.41	0.64	4.78	0	12.4	0
Δ8-THC (%AR)	013.99	Other	197	0.0372	0.0352	0.032	7.54	1.14	4.78	0	12.4	0
Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	0.0288	0.0322	0.0366	12	1.8	4.78	0	12.4	0
Δ8-THC (%AR)	013.01	AOAC 2018.10	210	0.029	0.035	0.037	12.4	1.86	4.78	0	12.4	0

CBC (%AR)

CBC (%AR)	014.99	Other	189	0.1777	0.1772	0.1774	0.14	0.03	2.63	0.14	6.03	0
CBC (%AR)	014.02	AOAC 2018.11, U	199	0.193	0.1945	0.1955	0.65	0.13	2.63	0.14	6.03	0
CBC (%AR)	014.99	Other	183	0.214	0.213	0.218	1.23	0.24	2.63	0.14	6.03	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBC (%AR)	014.99	Other	196	0.1757	0.1715	0.1756	1.38	0.27	2.63	0.14	6.03	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.2	0.202	0.19	3.26	0.64	2.63	0.14	6.03	0
CBC (%AR)	014.99	Other	106	0.15	0.15	0.16	3.77	0.71	2.63	0.14	6.03	0
CBC (%AR)	014.99	Other	197	0.1792	0.1731	0.1636	4.57	0.88	2.63	0.14	6.03	0
CBC (%AR)	014.99	Other	162	0.1799	0.1943	0.1727	6.03	1.17	2.63	0.14	6.03	0

Cd (ug/g AR)

Cd (ug/g AR)	101.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Cd (ug/g AR)	101.04	ICP-MS	196	<0.0241	<0.0241	<0.0241						1
Cd (ug/g AR)	101.04	ICP-MS	102	<0.0032	<0.0032	<0.0032						1
Cd (ug/g AR)	101.04	ICP-MS	183	<0.0010	<0.0010	<0.0010						1
Cd (ug/g AR)	101.04	ICP-MS	197	<0.0984	<0.0998	<0.0986						1

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	102	<0.0032	<0.0032	<0.0032						1
As (ug/g AR)	102.04	ICP-MS	197	<0.0984	<0.0998	<0.0986						1
As (ug/g AR)	102.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
As (ug/g AR)	102.04	ICP-MS	196	<0.0482	<0.0482	<0.0482						1
As (ug/g AR)	102.04	ICP-MS	183	<0.0020	<0.0020	<0.0020						1
As (ug/g AR)	102.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0080	<0.0080	<0.0080						1
Hg (ug/g AR)	103.04	ICP-MS	102	<0.0032	<0.0032	<0.0032						1
Hg (ug/g AR)	103.04	ICP-MS	183	<0.0120	<0.0120	<0.0120						1
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0072	<0.0072	<0.0072						1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0984	<0.0998	<0.0986						1
Hg (ug/g AR)	103.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	197	<0.0984	<0.0998	<0.0986						1
Pb (ug/g AR)	104.04	ICP-MS	196	<0.0241	<0.0241	<0.0241						1
Pb (ug/g AR)	104.04	ICP-MS	183	<0.0200	<0.0200	<0.0200						1
Pb (ug/g AR)	104.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
Pb (ug/g AR)	104.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Pb (ug/g AR)	104.04	ICP-MS	102	0.0069	0.0065	0.0059	7.82	0.92				0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	<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						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	197	<10.0000	<10.0000	<10.0000						1
Cr (ug/g AR)	107.04	ICP-MS	196	<0.0722	<0.0722	<0.0722						1
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	197	<0.0984	<0.0998	<0.0986						1
Se (ug/g AR)	108.04	ICP-MS	196	<0.0963	<0.0963	<0.0963						1
Zn (ug/g AR)												
Zn (ug/g AR)	111.04	ICP-MS	196	<5.0000	<5.0000	<5.0000						1
Sb (ug/g AR)												
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0241	<0.0241	<0.0241						1
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	<0.1235	<0.1235	<0.1235						1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183	0.19	0.191	0.191	0.3	0.06				0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	0.0122	0.0106	0.0102	9.62	1.23				0
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	196	<0.1235	<0.1235	<0.1235						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
beta-Caryophyllene (%)	202.02	GC,MS	183	0.131	0.128	0.137	3.47	0.64				0
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0443	0.0416	0.0392	6.12	0.95				0
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.1235	<0.1235	<0.1235						1
(-)-Caryophyllene oxide	203.02	GC,MS	183	0.0605	0.0642	0.0636	3.16	0.52				0
Geraniol (%AR)												
Geraniol (%AR)	204.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
Geraniol (%AR)	204.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	196	<0.1235	<0.1235	<0.1235						1
alpha-Humulene (%AR)	205.02	GC,MS	183	0.0458	0.0469	0.0475	1.84	0.29				0
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0125	0.0112	0.0101	10.7	1.36				0
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
d-Limonene (%AR)	206.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
d-Limonene (%AR)	206.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
Linalool (%AR)	207.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
beta-Myrcene (%AR)	208.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
Ocimene (%AR)	210.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Pinene (%AR)	211.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinene (%AR)	213.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
alpha-Terpinene (%AR)	213.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
gamma-Terpinene (%A	214.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinolene (%A	215.02	GC,MS	183	<0.0020	<0.0020	<0.0020						1

1. Flag definitions: 1 (Lab RSDr not calculated because there were less than 3 numeric lab results)

2. Statistical parameters of robust mean, minimum, and maximum for RSDr only shown only if there were 6 or more lab RSDr values.

3. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.c