



Drug Analysis

Test No. 21-5001 Summary Report

Each sample pack consisted of two questioned samples containing powder substances, which participants were requested to analyze. Data were returned from 599 participants and are compiled into the following tables:

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This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

Each sample pack consisted of two items. Both Items 1 and 2 contained 300 mg of powder consisting of approximately 5% diazepam and 95% lactose monohydrate. Diazepam is a Schedule IV controlled substance in the United States.

SAMPLE PREPARATION-

The diazepam was a pure powder that was combined with lactose monohydrate to create Items 1 and 2. These two powders were mixed thoroughly to ensure homogeneity.

ITEMS 1 & 2 (PREPARATION): Approximately 300 mg of the powder containing diazepam and lactose monohydrate was weighed out and deposited into a glassine bag which was folded and secured with a label. The folded glassine bag was placed into a small zip top bag, which was heat sealed and then placed into a pre-labeled envelope.

SAMPLE PACK ASSEMBLY: One of each of the Item 1 and Item 2 envelopes was placed into a larger pre-labeled sample pack envelope.

VERIFICATION: The above substances were identified by predistribution laboratories, who used the following combined list of techniques: color tests, FTIR, GC/MS, and LC/MS.

Summary Comments

This test was designed to allow participants to assess their proficiency in the qualitative analysis of questioned samples that may contain controlled substances. Both Item 1 and Item 2 contained a powder consisting of lactose monohydrate and approximately 5% diazepam. In the United States, diazepam is a Schedule IV controlled substance (See Manufacturer's Information for preparation details).

Overall, 596 of 599 participants (99.5%) reported expected consensus results for both items. For Item 1, 597 of 599 participants (99.7%) reported diazepam. The two remaining participants reported that no controlled substance was identified. For Item 2, 596 of 599 participants (99.5%) reported diazepam. The three remaining participants reported that no controlled substance was identified. One participant who reported that no controlled substance was identified in either item stated in their Additional Comments that diazepam is not a controlled substance in their country. Ten participants included ketazolam and diazepam as possibly being present in both Items 1 and 2, with several mentioning possible thermal degradation of ketazolam to diazepam in their Additional Comments. Many participants reported in their Additional Comments that lactose was found in both items.

The most common examination methods reported for both items include GC/MS, color tests, and FTIR.

Drug Analysis (Item 1)

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
243PAU	diazepam	3DQT6Z	Diazepam
248V6W	diazepam	3EHU3C	Diazepam
2ACUFL	Diazepam	3FBPQ7	DIAZEPAM
2B7HVB	Diazepam	3GQ6ZZ	Diazepam, salt form not determined
2CXM3N	Diazepam and/or Ketazolam	3H23EH	Diazepam
2D8QWZ	diazepam	3JEGZ7	Diazepam
2DTYDW	Diazepam	3JTX2Q	Diazepam
2FZEJ3	Diazepam	3NA4XZ	Diazepam
2H4ED8	Diazepam	3PD8ZM	Diazepam or an isomer thereof
2KUB9T	Diazepam	3QWQ8F	Diazepam
2NBQQ8	Diazepam	3R8KAU	Diazepam
2NTWPX	Diazepam	3UVZJ3	diazepam and/or ketazolam
2NUM6T	Diazepam	3XBVZZ	Diazepam
2P3LDG	Diazepam	3XQWZG	Diazepam
2T3X9F	Diazepam	3Y7FKE	Diazepam
2UKWER	Diazepam	3ZY8Y7	Diazepam
2WNRXU	diazepam	43NLBM	diazepam
2XZELA	Diazepam/Schedule IV	44UH7P	Diazepam
2YC4WZ	Diazepam	44ZPGX	diazepam
32TX3Y	Diazepam, IV CDS	47JM33	DIAZEPAM
36U3FJ	diazepam	47KNLF	Diazepam
37PLJ7	Diazepam	47ZKEF	Diazepam
39WUWW	Diazepam	48VLYX	Diazepam
3APWDK	Diazepam	4BDN3W	Diazepam
3BK7V3	Diazepam	4C8BGL	Diazepam
3BYUQ3	Diazepam	4EAGRK	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
4JDWXP	Diazepam	6PBWJB	Diazepam, CIV
4K47G6	Diazepam	6TEQJ2	Diazepam
4MRHFB	Diazepam	6TG9NQ	Diazepam
4NZXMG	Diazepam	6TTCT3	Diazepam
4QATGK	diazepam	6U7QGC	diazepam
4QBVZX	diazepam	6WANJR	Diazepam
4QV88J	diazepam	6YDGJH	Diazepam
4TX6FQ	Diazepam	6ZUJGH	Diazepam
4TXE2V	Diazepam	727CBK	Diazepam
4TY8Y4	Diazepam	72K22Q	Diazepam
4VH4L9	Diazepam	73YC9V	Diazepam
4ZEVRK	Diazepam	76JGHE	Diazepam
4ZTG48	Diazepam	78TBGY	diazepam
63HVFN	Diazepam	792JNY	Diazepam
64RVNB	Diazepam	7ARQM2	Diazepam
663UK7	Diazepam	7BTH2W	Diazepam
68Q7KB	Diazepam	7ENHTD	Diazepam
6AGMF6	Diazepam	7GCURJ	diazepam
6DX2XJ	Diazepam	7GUX9W	Diazepam
6ECC6P	diazepam	7HLY78	Diazepam
6ECEN2	Diazepam	7KDVU2	Diazepam
6FLDWP	diazepam	7MYLXQ	Diazepam
6G4BJM	Diazepam	7NC9F7	No controlled substance detected/identified
6HW6GR	Diazepam	7PQKCP	Diazepam
6JKMAC	Diazepam found	7Q6ZUW	Diazepam
6LUMCY	Diazepam	7T9Q3X	Diazepam
6MNCYZ	diazepam	7TRUBX	diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
7U2TJL	Diazepam	8Z8RHH	Diazepam
7VEDCV	Diazepam	8ZHTAH	Diazepam
7W99RC	Diazepam	8ZM7XE	diazepam
7X3PB2	Diazepam	93CKAV	Diazepam
7XKQ6Q	Diazepam	97QFQT	diazepam
7Z8DUX	Diazepam	983YVW	Diazepam
82GRQ6	Diazepam	99UZR8	Diazepam
8376AN	Diazepam	9BYWUM	Diazepam
83BHWK	YES, Diazepam which is a controlled substance	9EZTL3	Diazepam
86TYRA	DIAZEPAM	9HH4ND	diazepam
87TQ76	Diazepam	9HZ6H3	Diazepam Schedule IV
89GBQF	Diazepam	9JTZ6B	Diazepam
8AMTPB	Diazepam	9MQERZ	Diazepam
8E28U6	Diazepam	9PJ4E3	diazepam
8EYLXP	diazepam	9UBM8K	Diazepam
8H63D8	diazepam	9WGVMM	Diazepam
8HKGM3	Diazepam	A2AAUH	diazepam
8JXVBC	Diazepam	A4FUMK	Diazepam
8K9XWB	diazepam	A6BHXT	Diazepam
8KWAQH	Diazepam	A8CN9T	Diazepam
8L64QN	Diazepam	AALMGF	Diazepam
8L68FT	Contains Diazepam	AAZZ9X	Contains Diazepam
8N99TB	Diazepam	AC8B7M	Diazepam
8P4HBT	Diazepam	ADHCXM	Diazepam
8QWKRF	Diazepam, Schedule IV	ADZFEZ	Diazepam
8RB3T2	Contains Diazepam	AFR8TR	Diazepam
8YTFRZ	Diazepam	AGJ4FZ	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
AGJ9P3	Diazepam	BNC3Z7	Diazepam
AHYK GK	Diazepam (C-IV) was identified in Exhibit 1.	BPTYT7	diazepam
AJAAVQ	Diazepam	BQ9AUJ	Diazepam
ALFQDV	Diazepam	BT8U94	Diazepam
ALXR2H	Diazepam	BTERTF	Diazepam
AM7XAD	Diazepam	BTY99H	Diazepam
AMQRYU	Diazepam	BVJJKT	Diazepam
ANPQFG	diazepam	BXM6L8	Diazepam
APGQDR	Diazepam	C3YHRC	diazepam
ATCR69	Contains Diazepam	C4AE9B	Diazepam.
AV234E	Diazepam	C4NVAV	Diazepam
AV9ZMQ	Diazepam	C9HUHY	Diazepam
AZBGLC	Diazepam	CC3HJY	diazepam
B2UD2J	Diazepam	CEQYT8	DIAZEPAM
B3EFFH	Diazepam	CHLUAK	Diazepam
B6KWU2	Diazepam/Ketazolam	CKC7WX	Diazepam, a schedule IV controlled non-narcotic substance
B7ZB4V	Diazepam	CKWRM3	Diazepam
B8T7KD	Diazepam	CLB86A	Diazepam
B943EH	Diazepam	CWPDTX	Diazepam
B9Q6AD	diazepam	CYDPT4	Diazepam
BBFJRV	DIAZEPAM	CZPF4T	diazepam
BDHLDQ	Diazepam	D3BLWN	DIAZEPAM
BEUGXW	Diazepam	D43LUY	Diazepam
BGL8CN	Diazepam	D6WDZD	Diazepam
BGYQ9E	diazepam	D7A226	Diazepam
BM33XK	Diazepam	D9XDZB	Diazepam
BM6MUZ	Diazepam	DB4P8C	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
DBLUAJ	diazepam	F8ZV7D	Diazepam
DDB879	Diazepam	F9CGUT	Diazepam
DDNRKB	Diazepam	FAME8B	Diazepam
DH8RCD	diazepam	FBEGNY	Diazepam
DHNPMP	Diazepam	FDGHNV	diazepam/ketazolam
DJYRAN	Diazepam, a Schedule IV controlled substance.	FDLNHC	Diazepam
DMY36N	Diazepam	FE283A	diazepam
DQKKM9	Diazepam (IV)	FFAA3M	Diazepam
DQWJHH	Diazepam	FG2AYX	Diazepam
DUYHTB	Diazepam	FJ9FMK	Diazepam
DW388C	diazepam	FLEXRH	Diazepam
DWMURF	Diazepam	FLFUBD	diazepam
DYDZAR	Diazepam	FMWRMQ	Diazepam
DYT7LB	DIAZEPAM	FPEAGF	Contains Diazepam
E6WH6E	Diazepam (CIV)	FQRQUU	Diazepam
E79HZN	Diazepam	FQRTD7	Diazepam
EB3CYA	Diazepam - Schedule IV	FTGWBK	Diazepam
EHH4Z9	Diazepam	FUA4EG	Diazepam
EHY2R8	diazepam	FYMPNN	Diazepam
ERPLX7	Diazepam	G26CB9	Diazepam
ET2H4B	Diazepam	G2KUCT	Diazepam, a schedule IV controlled non-narcotic substance.
EWVGBE	Diazepam	G3HVK7	diazepam
EXYXWR	DIAZEPAM	G678JB	diazepam
EZ3N8D	Diazepam	G8ABLX	Diazepam
F3PHNE	diazepam	GAU6FD	diazepam
F4K7ZH	Diazepam	GC63UU	Diazepam
F7M4BB	Diazepam	GD2AKM	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
GJCLB9	diazepam	HRJN4	Diazepam
GKY9MV	Diazepam was detected in Lab Item 1 (net weight - 0.28 gram).	HT9Q8F	Diazepam
GLX6K7	Diazepam	HUZVET	Diazepam
GMBWF9	Diazepam	HVFANN	Diazepam
GN3WDJ	Diazepam	HX78JA	Diazepam
GNLFKC	Diazepam	HYH7F4	Diazepam - Schedule IV
GQAAZD	diazepam	J2HN4X	Diazepam
GRH62J	Diazepam	J3CF4B	Diazepam
GVGR8R	Diazepam	J6ZVDH	Diazepam
GWDYK	Diazepam	J8NCMQ	Diazepam, a schedule IV controlled non-narcotic substance
GXKHFT	Diazepam	J92UZ4	diazepam
GXKMQV	Diazepam	J9G42H	Diazepam
GYJN7	diazepam	J9VULL	diazepam
GZBPWJ	Laboratory analysis of the sample (item 1) detects the presence of diazepam based on technical reference library searches. Diazepam is a Schedule IV Controlled Substance.	J9YCQC	Contains Diazepam
GZWD3K	Diazepam	JAMVJX	Diazepam found
H46XJQ	Diazepam	JCEMPX	Diazepam
H6XVRW	Diazepam found.	JFXU8A	DIAZEPAM
H8CCA6	diazepam	JH7W8M	DIAZEPAM
HC3LJ3	Diazepam	JHAECD	Diazepam
HEQXJ9	Diazepam	JHPTL9	Diazepam
HGXFG4	Diazepam	JHPV6K	Diazepam
HKU97T	Diazepam	JKAUA3	Diazepam
HL7QLR	Diazepam (CIV)	JKUDGV	Diazepam
HQL9PU	Diazepam	JMF6EJ	Diazepam
HQXYMD	Diazepam	JP4QYU	Diazepam
		JQ3MW4	Diazepam
		JVQKU7	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
JWJAG8	Diazepam	LJC3GT	Diazepam
K3CKED	Diazepam	LLBJKA	Item 1 contains diazepam.
K3NNJN	Diazepam	LLL2Z3	Diazepam
K69HE4	Diazepam	LLZKKZ	Diazepam
K6DUZE	Diazepam	LNQMT9	Diazepam
K6EMXM	Diazepam	LPHMPJ	diazepam
K6WQDZ	Diazepam	LPWCQB	Diazepam
K9BD7J	Diazepam	LTDMGZ	Diazepam
KA62HM	Diazepam	LTGW38	diazepam
KCUDGT	Diazepam	LVLNTY	diazepam
KCYP6P	Diazepam	LY4QXJ	Diazepam
KEKMDF	Diazepam	LZUYWM	DIAZEPAM
KFULL4	Diazepam	M222VQ	Diazepam
KQUC6P	Diazepam	M32WLN	Diazepam
KTHN4V	Diazepam, CIV.	M4CUI6	Diazepam
KTL4JG	Diazepam	M6LQF4	Diazepam or an isomer thereof
KURQRF	Diazepam	M74TD4	Diazepam
KWDJKA	Diazepam	M8QDXE	Diazepam
KZMDW2	Diazepam IV	M8TYVF	Diazepam
L6M9Y9	diazepam	MBVZVC	Diazepam
L8GXF9	Diazepam	MCN3CZ	diazepam
L8XYHA	diazepam	MF7WF	DIAZEPAM
LALHBV	Diazepam	MGYQCW	Diazepam
LCWBEA	diazepam	MJAL72	diazepam
LD4TC7	Diazepam and/or ketazolam	MJLMKM	Diazepam
LFWGY8	Diazepam	MMJ4WG	Diazepam and/or ketazolam
LHTEWD	diazepam	MNDYDX	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
MQ6XRW	Diazepam	PBLRVN	diazepam
MU7P9A	Diazepam	PBLTEZ	Diazepam
MVL4H6	Diazepam	PC2ZB4	Diazepam
MWAP3F	Diazepam	PDA6D7	Diazepam
MX2PZQ	Diazepam	PDC4HZ	Diazepam
MXN2YY	Diazepam	PFZFH7	Diazepam
MY3KPN	Diazepam	PK8TBX	Diazepam
MYG3Q9	Diazepam	PL3TWF	No controlled substance detected/identified
MYLEE6	Diazepam	PMHQPE	Item #1: Diazepam
N6JHPV	Diazepam	PNBQLQ	Diazepam
N6MQA2	diazepam	PP4KJU	Diazepam
NCKNTX	Diazepam	PQDPWH	DIAZEPAM
NG2TP9	Diazepam	PQVKG6	Diazepam
NGXBLH	diazepam	PQXFUA	Diazepam
NKXQPY	Diazepam	PT7DJK	Diazepam
NNW6B4	Diazepam	PUUVD6	diazepam
NRCCY3	Diazepam	PW9CUD	Diazepam
NUHXNN	Diazepam	PWMTVX	Diazepam
NW9ACZ	diazepam	PXZCRN	Diazepam
NYDPWK	Diazepam	PY9TH8	Diazepam
P3EZE7	Diazepam	PYB6V4	Diazepam
P48W2E	Diazepam	PZL8G3	Diazepam
P6H3XF	Diazepam	Q36QTJ	Diazepam
P76J8N	Diazepam	Q4EMC3	Diazepam
P7VGLP	Diazepam	Q7PDW6	Diazepam
P87EWL	diazepam	Q9AGA4	Diazepam
P9XFWH	Diazepam	QBYXDB	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
QCFREK	Diazepam	RJQNFV	diazepam
QDKPGZ	Diazepam	RLTKU7	diazepam
QFPA8L	Diazepam	RTYYC3	Diazepam
QFW7WY	Diazepam was identified within Item 1.	RWWHAU	Diazepam
QG4L46	Diazepam and/or ketazolam	RXDTRZ	Diazepam
QGJZDZ	Diazepam	T2LQMY	Diazepam
QJVKG4	Diazepam, CIV	T3FFQT	Diazepam
QKP89Y	Diazepam	T4RTVP	Diazepam
QMH97B	Diazepam	T4UW9Z	Diazepam
QMUV44	DIAZEPAM	T64RPY	diazepam
QMWG9J	diazepam	T8DNJ4	Diazepam
QN9ACX	Diazepam	TBC38T	Diazepam
QQFLUZ	Diazepam	TD34E2	Diazepam
QT46TC	diazepam	TDJC9X	Diazepam
QTJLLK	diazepam	TDX3T3	diazepam and/or ketazolam
QUAR2B	diazepam	TDZE7Y	Diazepam
QUCDZC	Diazepam	TGFVDG	Diazepam
QV4H8P	Diazepam, CIV	TGZRKB	Diazepam
QVNYMR	DIAZEPAM	TJRQYA	diazepam
QXBVWH	Diazepam	TJZ8PR	Diazepam
QZYAD2	Diazepam	TKJQWK	Diazepam
R3FY9X	Diazepam [State statute] (wt = 0.292g)	TLDG3Y	Diazepam
R9FY32	diazepam	TN3R7Y	Diazepam
RCEDM6	Diazepam	TPVR4A	Diazepam
REVNDU	Diazepam	TQ4QCX	Diazepam
RFDJ93	Diazepam	TRYEP2	Diazepam
RG7K7E	diazepam	TU7WMW	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
TUNNT2	Diazepam	VM48DW	Diazepam
TW9R7Z	Diazepam	VUYEQA	Diazepam
U23YDF	Diazepam	VWQFML	Diazepam
U629P3	Diazepam	VXHCCE	Diazepam
U89LDV	Diazepam	VYAK7G	Diazepam
U89VWF	Diazepam	W29DMR	Diazepam
U9PKP8	Diazepam, a Schedule IV controlled substance.	W2BVT4	Laboratory analysis of the white powder listed as a sample Item 1 finds to contain diazepam. Diazepam, a benzodiazepine drug, is a Schedule IV controlled substance per 21. C.F.R. Part 1308.
UATPRU	Diazepam		
UAZMB7	Diazepam	W3CL9Y	Diazepam
UDDL DY	Material containing Diazepam - Schedule IV. Net weight of material - 0.29 (+/- 0.05) gram(s). (confidence level 99.7%)	W3RZHU	Diazepam
UECTTY	diazepam	W4FJBE	Diazepam
UENJPV	Diazepam	W4WNLX	Diazepam
UF4TQA	Diazepam	W6XMQR	diazepam
UMYPKY	Diazepam	W8LYPX	Diazepam, C-IV
UNEVCA	Diazepam	WCUAUK	Diazepam
UQJF2V	Diazepam	WDAQV6	Diazepam
UR9XRV	Diazepam	WELG8V	Diazepam
UUJRXV	diazepam	WFZNQQ	Diazepam
UW9ANV	Diazepam	WGLNCZ	Diazepam
UX84W2	Diazepam	WLYJ2B	Diazepam
V3W3N2	Diazepam	WMQFNJ	Diazepam
V7RUWY	Diazepam	WMRA8P	diazepam
V9EH7D	Diazepam	WNAC4P	Diazepam
VAMULU	Diazepam	WQBAHY	Diazepam
VC334U	Diazepam	WQXN3V	Diazepam
VKCAYX	Diazepam	WUTPUC	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
WV7Y8H	Diazepam	Y98MY3	Diazepam
WW2RQ9	Diazepam	YAHCFU	Diazepam
WXAUQL	Diazepam	YB9HVK	Diazepam
WZ2QDU	diazepam	YBNYNR	Diazepam
WZNA9T	Diazepam	YDZDHT	Diazepam
X2QMAR	Diazepam	YF8R98	DIAZEPAM
X4HM83	Diazepam	YGHTU7	Diazepam
X7L9B3	Diazepam	YHAURG	Diazepam and/or Ketazolam (salt form undetermined)
X99Z9Q	Diazepam (IV)	YJPZHT	Diazepam
XCWC8W	Diazepam	YMLKBQ	diazepam
XDGFLV	Diazepam	YQ8DGR	Diazepam
XEWJD2	Diazepam	YTBAJ8	Diazepam
XGKB6X	Diazepam	YU6ZM2	Laboratory analysis of the sample (Item 1) finds it to contain diazepam, a Schedule IV controlled substance per 21.C.F.R. Part 1308.
XHC3JP	Diazepam	YVZN3P	Diazepam
XHV48D	diazepam	YWEYAV	diazepam
XKMVL6	Diazepam	Z3XLFK	diazepam
XMBBVC	Diazepam	Z87WJ9	Diazepam / Schedule IV
XNEFXY	Diazepam and/or Ketazolam. Ketazolam undergoes thermal degradation into Diazepam in the GC/MS.	Z8C984	Diazepam
XQTQ8P	Diazepam	Z9GX77	Diazepam
XVFMLE	Diazepam	ZBQ234	Diazepam
XVMK6R	diazepam	ZBUGGP	diazepam
XXEJJP	diazepam	ZDUNMU	Diazepam
XYHGL6	Diazepam	ZECJKN	Diazepam
Y27B37	diazepam	ZETU3U	diazepam
Y64PPV	Diazepam	ZFKVZ6	diazepam
Y7CVXQ	Diazepam	ZGCWY2	Diazepam

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
ZJ6RLA	Diazepam		
ZJGJFC	Diazepam		
ZJMW2M	Diazepam		
ZKVX3Z	Diazepam		
ZLB92T	Diazepam		
ZLPLGP	Diazepam		
ZNE4KV	Contains Diazepam		
ZNV77B	Diazepam		
ZQJH6F	Diazepam		
ZQMXK2	diazepam		
ZRCC3K	Diazepam		
ZRVDR8	Diazepam		
ZTAQHQ	Diazepam		
ZTBR23	Diazepam		

<i>Response Summary - Item 1</i>	
Participants: 599	
Diazepam:	597
No Controlled substance(s) detected/identified:	2
Other:	0

Examination Methods (Item 1)

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
243PAU	✓							✓	✓	
248V6W	✓	✓		✓					✓	
2ACUFL	✓								✓	
2B7HVB	✓								✓	
2CXM3N									✓	
2D8QWZ	✓								✓	
2DTYDW	✓	✓		✓					✓	
2FZEJ3	✓								✓	Run on 2 columns
2H4ED8	✓	✓			✓				✓	
2KUB9T		✓							✓	XRD
2NBQQ8	✓								✓	FTIR Raman
2NTWPX	✓								✓	
2NUM6T	✓								✓	
2P3LDG	✓								✓	
2T3X9F	✓	✓			✓				✓	
2UKWER		✓			✓				✓	GC for retention time
2WNRXU	✓			✓					✓	
2XZELA	✓	✓							✓	
2YC4WZ	✓								✓	
32TX3Y	✓				✓				✓	
36U3FJ		✓						✓	✓	
37PLJ7	✓								✓	
39WUWW	✓	✓		✓					✓	
3APWDK	✓								✓	
3BK7V3	✓	✓							✓	Retention Time
3BYUQ3		✓							✓	
3DQT6Z					✓				✓	
3EHU3C		✓							✓	
3FBPQ7									✓	
3GQ6ZZ					✓				✓	
3H23EH					✓				✓	
3JEGZ7	✓	✓		✓					✓	
3JTX2Q	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
3NA4XZ	✓				✓	✓			✓	
3PD8ZM	✓				✓				✓	
3QWQ8F	✓								✓	ATR-IR Spectroscopy
3R8KAU	✓				✓				✓	
3UVZJ3		✓			✓				✓	TruNarc
3XBVZZ	✓				✓				✓	
3XQWZG	✓								✓	
3Y7FKE	✓	✓		✓					✓	
3ZY8Y7	✓	✓		✓					✓	
43NLBM									✓	DART - Agilent TOF
44UH7P	✓	✓		✓					✓	
44ZPGX	✓	✓			✓	✓			✓	
47JM33									✓	
47KNLF	✓					✓			✓	
47ZKEF	✓	✓							✓	
48VLYX	✓								✓	
4BDN3W		✓						✓	✓	IonScan
4C8BGL						✓			✓	
4EAGRK	✓								✓	
4JDWXP	✓								✓	G CIR
4K47G6	✓	✓							✓	
4MRHFB		✓						✓	✓	
4NZXMG	✓	✓							✓	
4QATGK	✓	✓							✓	
4QBVZX	✓								✓	
4QV88J		✓							✓	
4TX6FQ		✓							✓	
4TXE2V		✓						✓	✓	DART-MS
4TY8Y4	✓								✓	DART-TOF
4VH4L9		✓							✓	Silver Nitrate
4ZEV RK	✓								✓	
4ZTG48	✓								✓	
63HVF N	✓								✓	
64RVNB	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
663UK7					✓				✓	
68Q7KB	✓								✓	
6AGMF6		✓							✓	
6DX2XJ	✓								✓	
6ECC6P		✓							✓	
6ECEN2	✓				✓	✓			✓	DART-TOF
6FLDWP		✓							✓	
6G4BJM		✓							✓	weight, visual examination
6HW6GR	✓			✓					✓	
6JKMAC	✓	✓		✓					✓	
6LUMCY	✓				✓				✓	
6MNXYZ	✓	✓							✓	
6PBWJB	✓	✓							✓	
6TEQJ2	✓								✓	
6TG9NQ					✓				✓	FID
6TTCT3	✓	✓		✓					✓	
6U7QGC	✓	✓						✓	✓	
6WANJR	✓							✓	✓	
6YDGJH	✓								✓	
6ZUJGH	✓	✓							✓	
727CBK	✓								✓	
72K22Q	✓							✓	✓	
73YC9V	✓	✓		✓					✓	
76JGHE					✓				✓	
78TBGY	✓								✓	
792JNY	✓								✓	
7ARQM2	✓	✓							✓	
7BTH2W	✓				✓	✓			✓	
7ENHTD	✓	✓							✓	
7GCURJ	✓	✓							✓	
7GUX9W		✓			✓				✓	
7HLY78		✓							✓	
7KDVU2									✓	
7MYLXQ	✓							✓	✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
7NC9F7	✓	✓				✓			✓	
7PQKCP									✓	
7Q6ZUW	✓	✓			✓				✓	
7T9Q3X	✓								✓	
7TRUBX	✓								✓	retention time comparison
7U2TJL	✓	✓							✓	
7VEDCV	✓								✓	
7W99RC	✓			✓					✓	
7X3PB2	✓								✓	
7XKQ6Q	✓								✓	
7Z8DUX	✓								✓	
82GRQ6									✓	
8376AN		✓							✓	
83BHWK	✓								✓	
86TYRA	✓								✓	ATR
87TQ76	✓								✓	
89GBQF	✓	✓							✓	
8AMTPB	✓	✓							✓	
8E28U6									✓	
8EYLP	✓							✓	✓	
8H63D8					✓				✓	
8HKGM3	✓								✓	
8JXVBC					✓				✓	
8K9XWB									✓	
8KWAQH									✓	DART Agilent TOF
8L64QN		✓							✓	XRD
8L68FT	✓	✓		✓					✓	
8N99TB	✓	✓							✓	
8P4HBT	✓			✓					✓	
8QWKRF	✓								✓	
8RB3T2	✓	✓		✓					✓	
8YTFRZ									✓	
8Z8RHH								✓	✓	handheld raman
8ZHTAH									✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
8ZM7XE	✓								✓	
93CKAV	✓	✓							✓	
97QFQT	✓	✓							✓	
983YVW		✓			✓				✓	Thermo Scientific TruNarc Analyzer
99UZR8								✓	✓	
9BYWUM	✓							✓	✓	
9EZTL3	✓								✓	
9HH4ND					✓				✓	
9HZ6H3	✓	✓							✓	
9JTZ6B	✓	✓		✓					✓	
9MQERZ								✓	✓	
9PJ4E3		✓							✓	
9UBM8K					✓			✓	✓	
9WGVMW					✓				✓	TruNarc
A2AAUH	✓	✓					✓		✓	
A4FUMK	✓								✓	
A6BHXT	✓				✓	✓			✓	
A8CN9T	✓				✓				✓	
AALMGF					✓	✓			✓	
AAZZ9X	✓	✓		✓					✓	
AC8B7M	✓			✓					✓	
ADHCXM	✓								✓	
ADZFEZ					✓				✓	
AFR8TR				✓					✓	
AGJ4FZ	✓	✓			✓				✓	
AGJ9P3									✓	
AHYKGK		✓							✓	
AJAAVQ		✓						✓	✓	IonScan
ALFQDV	✓	✓			✓				✓	
ALXR2H	✓	✓					✓		✓	
AM7XAD	✓	✓		✓					✓	
AMQRYU	✓								✓	
ANPQFG		✓							✓	DART-AccuTOF
APGQDR	✓				✓				✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
ATCR69	✓								✓	
AV234E	✓								✓	
AV9ZMQ	✓	✓		✓					✓	
AZBGLC	✓								✓	
B2UD2J	✓					✓			✓	
B3EFFH		✓						✓	✓	
B6KWU2	✓	✓		✓					✓	Chloroform extraction and dried by evaporation; re-ran on FTIR. Results were inconclusive.
B7ZB4V	✓				✓	✓			✓	DART-TOF
B8T7KD						✓			✓	
B943EH	✓								✓	
B9Q6AD	✓	✓							✓	
BBFJRV	✓	✓							✓	
BDHLDQ	✓								✓	
BEUGXW	✓	✓		✓					✓	
BGL8CN	✓			✓					✓	
BGYQ9E	✓								✓	
BM33XK	✓	✓							✓	
BM6MUZ	✓								✓	
BNC3Z7	✓	✓							✓	
BPTYT7	✓	✓						✓	✓	
BQ9AUJ		✓							✓	Balance
BT8U94		✓							✓	
BTERTF	✓	✓			✓				✓	Retention time confirmation
BTY99H	✓	✓					✓		✓	
BVJJKT	✓	✓		✓					✓	GC/IR
BXM6L8	✓	✓							✓	
C3YHRC	✓	✓							✓	
C4AE9B	✓								✓	
C4NVAV	✓					✓				GC/FID/MS
C9HUHY		✓							✓	
CC3HJY		✓							✓	
CEQYT8	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
CHLUAK	✓								✓	
CKC7WX	✓								✓	
CKWRM3		✓							✓	
CLB86A					✓				✓	
CWPDTX					✓				✓	
CYDPT4	✓	✓							✓	
CZPF4T		✓							✓	
D3BLWN					✓				✓	
D43LUY									✓	
D6WDZD	✓								✓	
D7A226	✓	✓							✓	
D9XDZB	✓	✓							✓	
DB4P8C	✓	✓			✓				✓	
DBLUAJ	✓							✓	✓	
DDB879	✓	✓			✓				✓	
DDNRKB		✓							✓	Weight Determination, DART-TOFMS
DH8RCD	✓								✓	
DHNPMP	✓				✓	✓			✓	
DJYRAN	✓	✓							✓	
DMY36N	✓			✓					✓	
DQKKM9	✓	✓			✓				✓	
DQWJHH	✓	✓		✓					✓	
DUYHTB				✓		✓			✓	
DW388C	✓								✓	
DWMURF	✓								✓	
DYDZAR	✓	✓							✓	
DYT7LB	✓								✓	
E6WH6E	✓	✓							✓	
E79HZN	✓	✓			✓	✓			✓	
EB3CYA	✓				✓				✓	
EHH4Z9	✓								✓	
EHY2R8	✓	✓							✓	
ERPLX7	✓			✓					✓	
ET2H4B	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
EWVGBE		✓						✓	✓	
EXYXWR	✓	✓							✓	
EZ3N8D	✓								✓	
F3PHNE	✓								✓	
F4K7ZH	✓	✓							✓	
F7M4BB	✓	✓			✓				✓	GC retention time confirmation
F8ZV7D	✓	✓							✓	
F9CGUT	✓	✓		✓					✓	
FAME8B					✓				✓	GC for Retention time
FBEGNY		✓							✓	
FDGHNV	✓	✓		✓					✓	
FDLNHC	✓						✓		✓	
FE283A	✓					✓			✓	
FFAA3M	✓				✓				✓	
FG2AYX		✓							✓	
FJ9FMK	✓			✓					✓	
FLEXRH	✓								✓	
FLFUBD	✓								✓	
FMWRMQ	✓	✓							✓	
FPEAGF	✓	✓		✓			✓		✓	
FQRQUU	✓	✓			✓				✓	
FQRTD7	✓	✓		✓					✓	
FTGWBK		✓						✓	✓	Ion Mobility Spectrometry
FUA4EG	✓			✓					✓	
FYMPNN	✓								✓	
G26CB9						✓			✓	
G2KUCT	✓	✓							✓	
G3HVK7					✓				✓	
G678JB	✓	✓					✓		✓	
G8ABLX	✓	✓			✓				✓	
GAU6FD		✓						✓		
GC63UU	✓	✓				✓			✓	
GD2AKM	✓								✓	
GJCLB9	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
GKY9MV		✓							✓	weight determination
GLX6K7					✓				✓	
GMBWF9		✓							✓	DART Agilent-TOF
GN3WDJ	✓								✓	
GNLFKC		✓							✓	
GQAAZD	✓								✓	
GRH62J	✓	✓		✓					✓	
GVGR8R	✓								✓	
GWDYYK	✓								✓	
GXKHFT	✓								✓	
GXKMQV	✓	✓							✓	
GYJN7					✓				✓	
GZBPWJ		✓						✓	✓	Proton and carbon NMR
GZWD3K	✓				✓	✓			✓	
H46XJQ	✓	✓		✓					✓	
H6XVRW	✓	✓		✓					✓	
H8CCA6					✓				✓	
HC3LJ3					✓				✓	GC/FID
HEQXJ9	✓	✓			✓				✓	GC Retention Time comparison with a reference standard
HGXFG4	✓					✓			✓	
HKU97T		✓							✓	
HL7QLR	✓								✓	
HQL9PU	✓	✓							✓	
HQXYMD		✓							✓	
HRJN4	✓								✓	
HT9Q8F	✓			✓					✓	
HUZVET							✓		✓	
HVFANN	✓								✓	
HX78JA				✓	✓				✓	
HYH7F4	✓				✓				✓	
J2HN4X		✓							✓	
J3CF4B	✓	✓						✓	✓	
J6ZVDH	✓				✓	✓			✓	FTIR/ATR

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
J8NCMQ	✓								✓	
J92UZ4	✓								✓	
J9G42H	✓				✓	✓			✓	
J9VULL		✓							✓	
J9YCQC	✓	✓		✓					✓	
JAMVJX	✓	✓		✓					✓	
JCEMPX	✓	✓		✓	✓					
JFXU8A	✓								✓	
JH7W8M		✓							✓	
JHAECD	✓			✓					✓	
JHPTL9	✓								✓	
JHPV6K	✓	✓							✓	
JKAUA3	✓	✓							✓	
JKUDGV		✓							✓	
JMF6EJ	✓	✓			✓	✓			✓	
JP4QYU	✓								✓	Weight Determination
JQ3MW4					✓				✓	
JVQKU7			✓						✓	
JWJAG8	✓								✓	
K3CKED	✓	✓							✓	GC/FTIR
K3NNJN	✓	✓			✓				✓	
K69HE4	✓	✓							✓	
K6DUZE	✓								✓	
K6EMXM		✓			✓				✓	NMR
K6WQDZ					✓				✓	
K9BD7J					✓				✓	
KA62HM									✓	
KCUDGT	✓	✓							✓	
KCYP6P	✓	✓			✓				✓	
KEKMDF	✓	✓							✓	
KFULL4	✓								✓	
KQUC6P	✓	✓							✓	
KTHN4V	✓	✓							✓	
KTL4JG	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
KURQRF		✓						✓	✓	
KWDJKA	✓	✓							✓	
KZMDW2	✓	✓			✓				✓	
L6M9Y9	✓				✓				✓	
L8GXF9	✓								✓	
L8XYHA	✓	✓		✓					✓	
LALHBV									✓	Weight Determination
LCWBEA	✓			✓					✓	
LD4TC7	✓	✓							✓	
LFWGY8	✓								✓	
LHTEWD		✓						✓	✓	IonScan
LJC3GT		✓							✓	
LLBJKA	✓							✓	✓	
LLL2Z3	✓	✓							✓	
LLZKKZ	✓				✓				✓	
LNQMT9	✓	✓			✓				✓	
LPHMPJ	✓	✓			✓				✓	
LPWCQB	✓			✓					✓	
LTDMGZ	✓	✓						✓	✓	
LTGW38	✓								✓	
LVLNTY					✓				✓	
LY4QXJ	✓	✓							✓	
LZUYWM									✓	Two seperate samplings and GC/MS used.
M222VQ		✓							✓	
M32WLN		✓							✓	
M4CUY6	✓								✓	
M6LQF4	✓				✓				✓	FTIR with ATR accessory
M74TD4				✓					✓	
M8QDXE	✓								✓	
M8TYVF	✓				✓	✓			✓	
MBVZVC	✓								✓	
MCN3CZ	✓								✓	
MF7VVF	✓								✓	
MGYQCW					✓				✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
MJAL72	✓	✓		✓					✓	
MJLMKM		✓							✓	
MMJ4WG		✓			✓				✓	
MNDYDX	✓	✓		✓					✓	
MQ6XRW									✓	
MU7P9A	✓	✓		✓					✓	
MVL4H6	✓								✓	
MWAP3F	✓				✓				✓	
MX2PZQ		✓							✓	
MXN2YY	✓	✓							✓	
MY3KPN		✓							✓	
MYG3Q9	✓	✓		✓					✓	
MYLEE6	✓								✓	
N6JHPV	✓			✓					✓	
N6MQA2									✓	DART AgilentTOF
NCKNTX	✓			✓		✓			✓	
NG2TP9	✓				✓				✓	
NGXBLH	✓								✓	
NKXQPY	✓								✓	
NNW6B4	✓								✓	
NRCCY3	✓								✓	
NUHXNN	✓								✓	
NW9ACZ	✓	✓							✓	
NYDPWK	✓							✓	✓	
P3EZE7	✓			✓					✓	
P48W2E	✓	✓		✓					✓	
P6H3XF	✓			✓					✓	
P76J8N		✓							✓	
P7VGLP		✓							✓	
P87EWL					✓				✓	
P9XFWH									✓	
PBLRVN									✓	
PBLTEZ	✓								✓	
PC2ZB4	✓					✓			✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
PDA6D7		✓							✓	
PDC4HZ	✓	✓							✓	
PFZFH7							✓		✓	
PK8TBX	✓								✓	
PL3TWF		✓				✓		✓	✓	
PMHQPE					✓			✓	✓	
PNBQLQ	✓	✓							✓	
PP4KJU		✓	✓		✓		✓		✓	
PQDPWH									✓	
PQVKG6		✓							✓	
PQXFUA	✓	✓		✓					✓	
PT7DJK	✓	✓			✓				✓	
PUUVD6		✓						✓	✓	
PW9CUD	✓								✓	
PWMTVX									✓	GC-FID
PXZCRN	✓								✓	Weight Determination
PY9TH8	✓								✓	
PYB6V4	✓	✓			✓				✓	GC retention time confirmation using reference standard
PZL8G3	✓								✓	
Q36QTJ		✓							✓	
Q4EMC3		✓						✓	✓	
Q7PDW6							✓		✓	
Q9AGA4	✓	✓							✓	
QBYXDB	✓								✓	
QCFREK	✓	✓							✓	
QDKPGZ	✓								✓	
QFPA8L									✓	
QFW7WY		✓							✓	DART/TOF-MS, weight determination
QG4L46									✓	
QGJZDZ	✓								✓	
QJVKG4	✓	✓							✓	
QKP89Y									✓	DART-AgilentTOF
QMH97B	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
QMUV4	✓				✓				✓	
QMWG9J	✓	✓			✓				✓	
QN9ACX					✓				✓	
QQFLUZ				✓					✓	
QT46TC	✓				✓				✓	
QTJLLK		✓			✓				✓	
QUAR2B	✓								✓	
QUCDZC	✓							✓	✓	
QV4H8P	✓	✓							✓	
QVNYMR	✓	✓							✓	
QXBVVH	✓	✓			✓				✓	
QZYAD2	✓	✓		✓					✓	
R3FY9X		✓			✓	✓			✓	
R9FY32	✓	✓					✓		✓	
RCEDM6	✓	✓		✓					✓	
REVNDU	✓							✓	✓	
RFDJ93	✓	✓							✓	
RG7K7E	✓	✓							✓	
RJQNFV	✓	✓							✓	
RLTKU7	✓	✓							✓	
RTYYC3									✓	TruNarc
RWWHAU	✓				✓				✓	
RXDTRZ	✓	✓							✓	
T2LQMY	✓			✓					✓	
T3FFQT	✓								✓	
T4RTVP	✓	✓							✓	
T4UW9Z	✓								✓	
T64RPY	✓	✓							✓	
T8DNJ4	✓			✓					✓	
TBC38T	✓				✓				✓	
TD34E2	✓								✓	
TDJC9X	✓	✓			✓				✓	
TDX3T3	✓								✓	
TDZE7Y	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
TGFVDG		✓							✓	
TGZRKB					✓				✓	
TJRQYA	✓								✓	
TJZ8PR	✓	✓		✓					✓	
TKJQWK									✓	Weight Determination
TLDG3Y		✓			✓				✓	
TN3R7Y									✓	
TPVR4A	✓					✓			✓	
TQ4QCX									✓	
TRYEP2			✓	✓		✓				HPTLC-UV
TU7WMW									✓	
TUNNT2				✓					✓	
TW9R7Z								✓	✓	
U23YDF	✓	✓							✓	
U629P3	✓			✓					✓	
U89LDV		✓							✓	solvent chemistry
U89VWF					✓				✓	
U9PKP8	✓			✓					✓	
UATPRU	✓	✓							✓	
UAZMB7	✓				✓	✓			✓	
UDDL DY	✓	✓							✓	
UECTTY		✓			✓				✓	
UENJPV	✓				✓				✓	
UF4TQA	✓								✓	GC/IR
UMYPKY		✓						✓	✓	
UNEVCA	✓								✓	GC-FTIR
UQJF2V	✓	✓			✓				✓	
UR9XRV	✓								✓	
UUJRXV	✓	✓							✓	
UW9ANV	✓								✓	
UX84W2		✓							✓	
V3W3N2	✓	✓		✓					✓	
V7RUWY	✓	✓							✓	
V9EH7D	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
VAMULU		✓							✓	
VC334U	✓								✓	TruNarc
VKCAYX	✓								✓	
VM48DW				✓					✓	
VUYEQA					✓				✓	
WVQFML	✓	✓							✓	
VXHCCE	✓	✓						✓	✓	
VYAK7G	✓								✓	
W29DMR	✓				✓					
W2BVT4		✓							✓	
W3CL9Y		✓					✓		✓	
W3RZHU									✓	TruNarc
W4FJBE	✓	✓							✓	
W4WNLX	✓								✓	
W6XMQR	✓	✓							✓	
W8LYPX		✓							✓	
WCUAUK	✓								✓	
WDAQV6	✓								✓	
WELG8V	✓	✓							✓	
WFZNQQ					✓				✓	
WGLNCZ	✓								✓	
WLYJ2B									✓	
WMQFNJ	✓								✓	
WMRA8P	✓								✓	
WNAC4P					✓				✓	
WQBAHY		✓							✓	
WQXN3V	✓								✓	
WUTPUC	✓								✓	
WV7Y8H		✓							✓	
WW2RQ9	✓	✓							✓	
WXAUQL	✓	✓							✓	
WZ2QDU	✓				✓				✓	FTIR with ATR accessory
WZNA9T	✓	✓						✓	✓	
X2QMAR									✓	DART Agilent-TOF

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
X4HM83	✓								✓	
X7L9B3	✓								✓	
X99Z9Q				✓	✓				✓	
XCWC8W	✓	✓							✓	
XDGFLV		✓							✓	
XEWJD2	✓								✓	
XGKB6X	✓							✓	✓	
XHC3JP	✓	✓							✓	
XHV48D		✓			✓				✓	
XKMVL6	✓				✓	✓			✓	
XMBBVC	✓	✓			✓				✓	
XNEFXV	✓							✓	✓	
XQTQ8P	✓	✓		✓		✓			✓	
XVFMLE									✓	Weight Determination
XVMK6R	✓	✓							✓	
XXEJJP					✓				✓	
XYHGL6					✓				✓	
Y27B37	✓	✓							✓	
Y64PPV		✓							✓	XRD
Y7CVXQ		✓							✓	
Y98MY3	✓				✓	✓			✓	
YAHCFU	✓			✓					✓	
YB9HVK	✓				✓				✓	
YBNYNR	✓	✓							✓	
YDZDHT		✓			✓				✓	
YF8R98	✓	✓							✓	
YGHTU7	✓								✓	
YHAURG									✓	
YJPZHT		✓							✓	
YMLKBQ	✓								✓	
YQ8DGR	✓	✓			✓				✓	GC for retention time confirmation
YTBAJ8	✓								✓	
YU6ZM2		✓							✓	
YVZN3P	✓					✓		✓	✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
YWEYAV	✓					✓			✓	
Z3XLFK					✓				✓	
Z87WJ9	✓	✓							✓	
Z8C984	✓	✓							✓	
Z9GX77									✓	
ZBQ234	✓								✓	GC/IR
ZBUGGP									✓	DART-AccuTOF
ZDUNMU									✓	
ZECJKN	✓	✓							✓	Polarized Light Microscopy
ZETU3U	✓	✓							✓	
ZFKVZ6	✓	✓							✓	
ZGCWY2	✓								✓	
ZJ6RLA	✓								✓	
ZJGJFC	✓								✓	
ZJMW2M	✓								✓	
ZKVX3Z		✓						✓	✓	
ZLB92T	✓								✓	
ZLPLGP	✓					✓		✓	✓	
ZNE4KV	✓			✓					✓	
ZNV77B									✓	
ZQJH6F	✓								✓	
ZQMXX2	✓								✓	
ZRCC3K	✓	✓		✓					✓	
ZRVDR8	✓	✓		✓					✓	Gas Chromatography Retention Time
ZTAQHQ	✓				✓				✓	
ZTBR23	✓	✓							✓	GCIR

Response Summary										Total Participants: 599
	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	
Participants	411	269	3	77	120	38	12	44	594	
Percent	69%	45%	1%	13%	20%	6%	2%	7%	99%	

Drug Analysis (Item 2)

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
243PAU	diazepam	3BK7V3	Diazepam
248V6W	diazepam	3BYUQ3	Diazepam
2ACUFL	Diazepam	3DQT6Z	Diazepam
2B7HVB	Diazepam	3EHU3C	Diazepam
2CXM3N	Diazepam and/or Ketazolam	3FBPQ7	DIAZEPAM
2D8QWZ	diazepam	3GQ6ZZ	Diazepam, salt form not determined
2DTYDW	Diazepam	3H23EH	Diazepam
2FZEJ3	Diazepam	3JEGZ7	Diazepam
2H4ED8	Diazepam	3JTX2Q	Diazepam
2KUB9T	Diazepam	3NA4XZ	Diazepam
2NBQQ8	Diazepam	3PD8ZM	Diazepam or an isomer thereof
2NTWPX	Diazepam	3QWQ8F	Diazepam
2NUM6T	Diazepam	3R8KAU	Diazepam
2P3LDG	Diazepam	3UVZJ3	diazepam and/or ketazolam
2T3X9F	Diazepam	3XBVZZ	Diazepam
2UKWER	Diazepam	3XQWZG	Diazepam
2WNRXU	diazepam	3Y7FKE	Diazepam
2XZELA	Diazepam/Schedule IV	3ZY8Y7	Diazepam
2YC4WZ	Diazepam	43NLBM	diazepam
32TX3Y	Diazepam, IV CDS	44UH7P	Diazepam
36U3FJ	diazepam	44ZPGX	diazepam
37PLJ7	Diazepam	47JM33	DIAZEPAM
39WUWW	Diazepam	47KNLF	Diazepam
3APWDK	Diazepam	47ZKEF	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
48VLYX	Diazepam	6FLDWP	diazepam
4BDN3W	Diazepam	6G4BJM	Diazepam
4C8BGL	Diazepam	6HW6GR	Diazepam
4EAGRK	Diazepam	6JKMAC	Diazepam found
4JDWXP	Diazepam	6LUMCY	Diazepam
4K47G6	Diazepam	6MNCYZ	diazepam
4MRHFB	Diazepam	6PBWJB	Diazepam, CIV
4NZXMG	Diazepam	6TEQJ2	Diazepam
4QATGK	diazepam	6TG9NQ	Diazepam
4QBVZX	diazepam	6TTCT3	Diazepam
4QV88J	diazepam	6U7QGC	diazepam
4TX6FQ	Diazepam	6WANJR	Diazepam
4TXE2V	Diazepam	6YDGJH	Diazepam
4TY8Y4	Diazepam	6ZUJGH	Diazepam
4VH4L9	Diazepam	727CBK	Diazepam
4ZEVrk	Diazepam	72K22Q	Diazepam
4ZTG48	Diazepam	73YC9V	Diazepam
63HVFN	Diazepam	76JGHE	Diazepam
64RVNB	Diazepam	78TBGY	diazepam
663UK7	Diazepam	792JNY	Diazepam
68Q7KB	Diazepam	7ARQM2	Diazepam
6AGMF6	Diazepam	7BTH2W	Diazepam
6DX2XJ	Diazepam	7ENHTD	Diazepam
6ECC6P	diazepam	7GCURJ	diazepam
6ECEN2	Diazepam	7GUX9W	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
7HLY78	Diazepam	8JXVBC	Diazepam
7KD VU2	Diazepam	8K9XWB	diazepam
7MYLXQ	Diazepam	8KWAQH	Diazepam
7NC9F7	No controlled substance detected/identified	8L64QN	Diazepam
7PQKCP	Diazepam	8L68FT	Contains Diazepam
7Q6ZUW	Diazepam	8N99TB	Diazepam
7T9Q3X	Diazepam	8P4HBT	Diazepam
7TRUBX	diazepam	8QWKRF	Diazepam, Schedule IV
7U2TJL	Diazepam	8RB3T2	Contains Diazepam
7VEDCV	Diazepam	8YTFRZ	Diazepam
7W99RC	Diazepam	8Z8RHH	Diazepam
7X3PB2	Diazepam	8ZHTAH	Diazepam
7XKQ6Q	Diazepam	8ZM7XE	diazepam
7Z8DUX	Diazepam	93CKAV	Diazepam
82GRQ6	Diazepam	97QFQT	diazepam
8376AN	Diazepam	983YVW	Diazepam
83BHWK	Yes, Diazepam which is a controlled substance	99UZR8	Diazepam
86TYRA	DIAZEPAM	9BYWUM	Diazepam
87TQ76	Diazepam	9EZTL3	Diazepam
89GBQF	Diazepam	9HH4ND	diazepam
8AMTPB	Diazepam	9HZ6H3	Diazepam Schedule IV
8E28U6	Diazepam	9JTZ6B	Diazepam
8EYLXP	diazepam	9MQERZ	Diazepam
8H63D8	diazepam	9PJ4E3	diazepam
8HKGM3	Diazepam	9UBM8K	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
9WGVMW	Diazepam	B2UD2J	Diazepam
A2AAUH	diazepam	B3EFFH	Diazepam
A4FUMK	Diazepam	B6KWU2	Diazepam/Ketazolam
A6BHXT	Diazepam	B7ZB4V	Diazepam
A8CN9T	Diazepam	B8T7KD	Diazepam
AALMGF	Diazepam	B943EH	Diazepam
AAZZ9X	Contains Diazepam	B9Q6AD	diazepam
AC8B7M	Diazepam	BBFJRV	DIAZEPAM
ADHCXM	Diazepam	BDHLDQ	Diazepam
ADZFEZ	Diazepam	BEUGXW	Diazepam
AFR8TR	Diazepam	BGL8CN	Diazepam
AGJ4FZ	Diazepam	BGYQ9E	diazepam
AGJ9P3	Diazepam	BM33XK	Diazepam
AHYK GK	Diazepam (C-IV) was identified in Exhibit 2.	BM6MUZ	Diazepam
AJAAVQ	Diazepam	BNC3Z7	Diazepam
ALFQDV	Diazepam	BPTYT7	diazepam
ALXR2H	Diazepam	BQ9AUJ	Diazepam
AM7XAD	Diazepam	BT8U94	Diazepam
AMQRYU	Diazepam	BTERTF	Diazepam
ANPQFG	diazepam	BTY99H	Diazepam
APGQDR	Diazepam	BVJJKT	Diazepam
ATCR69	Contains Diazepam	BXM6L8	Diazepam
AV234E	Diazepam	C3YHRC	diazepam
AV9ZMQ	Diazepam	C4AE9B	Diazepam
AZBGLC	Diazepam	C4NVAV	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
C9HUHY	No controlled substance detected/identified	DQWJHH	Diazepam
CC3HJY	diazepam	DUYHTB	Diazepam
CEQYT8	DIAZEPAM	DW388C	diazepam
CHLUAK	Diazepam	DWMURF	Diazepam
CKC7WX	Diazepam, a schedule IV controlled non-narcotic substance	DYDZAR	Diazepam
CKWRM3	diazepam	DYT7LB	DIAZEPAM
CLB86A	Diazepam	E6WH6E	Diazepam (CIV)
CWPDTX	diazepam	E79HZN	Diazepam
CYDPT4	Diazepam	EB3CYA	Diazepam - Schedule IV
CZPF4T	diazepam	EHH4Z9	Diazepam
D3BLWN	DIAZEPAM	EHY2R8	diazepam
D43LUY	Diazepam	ERPLX7	Diazepam
D6WDZD	Diazepam	ET2H4B	Diazepam
D7A226	Diazepam	EWVGBE	Diazepam
D9XDZB	Diazepam	EXYXWR	DIAZEPAM
DB4P8C	Diazepam	EZ3N8D	Diazepam
DBLUAJ	diazepam	F3PHNE	diazepam
DDB879	Diazepam	F4K7ZH	Diazepam
DDNRKB	Diazepam	F7M4BB	Diazepam
DH8RCD	diazepam	F8ZV7D	Diazepam
DHNPMP	Diazepam	F9CGUT	Diazepam
DJYRAN	Diazepam, a Schedule IV controlled substance.	FAME8B	Diazepam
DMY36N	Diazepam	FBEGNY	Diazepam
DQKKM9	Diazepam (IV)	FDGHNV	diazepam/ketazolam
		FDLNHC	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
FE283A	diazepam	GMBWF9	Diazepam
FFAA3M	Diazepam	GN3WDJ	Diazepam
FG2AYX	Diazepam	GNLFKC	Diazepam
FJ9FMK	Diazepam	GQAAZD	diazepam
FLEXRH	Diazepam	GRH62J	Diazepam
FLFUBD	diazepam	GVGR8R	Diazepam
FMWRMQ	Diazepam	GWDYYK	Diazepam
FPEAGF	Contains Diazepam	GXKHFT	Diazepam
FQRQUU	Diazepam	GXKMQV	Diazepam
FQRTD7	Diazepam	GYJN7	diazepam
FTGWBK	Diazepam	GZBPWJ	Laboratory analysis of the sample (item 2) detects the presence of diazepam based on technical reference library searches. Diazepam is a Schedule IV Controlled Substance.
FUA4EG	Diazepam	GZWD3K	Diazepam
FYMPNN	Diazepam	H46XJQ	Diazepam
G26CB9	Diazepam	H6XVRW	Diazepam found.
G2KUCT	Diazepam, a schedule IV controlled non-narcotic substance.	H8CCA6	diazepam
G3HVK7	diazepam	HC3LJ3	Diazepam
G678JB	diazepam	HEQXJ9	Diazepam
G8ABLX	Diazepam	HGXFG4	Diazepam
GAU6FD	diazepam	HKU97T	Diazepam
GC63UU	Diazepam	HL7QLR	Diazepam (CIV)
GD2AKM	Diazepam	HQL9PU	Diazepam
GJKLB9	diazepam	HQXYMD	Diazepam
GKY9MV	Diazepam was detected in Lab Item 2 (net weight - 0.27 gram).	HRJN4	Diazepam
GLX6K7	Diazepam		

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
HT9Q8F	Diazepam	JVQKU7	Diazepam
HUZVET	Diazepam	JWJAG8	Diazepam
HVFANN	Diazepam	K3CKED	Diazepam
HX78JA	Diazepam	K3NNJN	Diazepam
HYH7F4	Diazepam - Schedule IV	K69HE4	Diazepam
J2HN4X	Diazepam	K6DUZE	Diazepam
J3CF4B	Diazepam	K6EMXM	Diazepam
J6ZVDH	Diazepam	K6WQDZ	Diazepam
J8NCMQ	Diazepam, a schedule IV controlled non-narcotic substance	K9BD7J	Diazepam (Item #1a)
J92UZ4	diazepam	KA62HM	Diazepam
J9G42H	Diazepam	KCUDGT	Diazepam
J9VULL	diazepam	KCYP6P	Diazepam
J9YCQC	Contains Diazepam	KEKMDF	Diazepam
JAMVJX	Diazepam found	KFULL4	Diazepam
JCEMXP	Diazepam	KQUC6P	Diazepam
JFXU8A	DIAZEPAM	KTHN4V	Diazepam, CIV.
JH7W8M	DIAZEPAM	KTL4JG	Diazepam
JHAECD	Diazepam	KURQRF	Diazepam
JHPTL9	Diazepam	KWDJKA	Diazepam
JHPV6K	Diazepam	KZMDW2	Diazepam IV
JKAUA3	Diazepam	L6M9Y9	diazepam
JKUDGV	Diazepam	L8GXF9	Diazepam
JMF6EJ	Diazepam	L8XYHA	diazepam
JP4QYU	Diazepam	LALHBV	Diazepam
JQ3MW4	Diazepam	LCWBEA	diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
LD4TC7	Diazepam and/or ketazolam	MGYQCW	Diazepam
LFWGY8	Diazepam	MJAL72	diazepam
LHTEWD	diazepam	MJLMKM	Diazepam
LJC3GT	Diazepam	MMJ4WG	Diazepam and/or ketazolam
LLBJKA	Item 2 contains diazepam.	MNDYDX	Diazepam
LLL2Z3	Diazepam	MQ6XRW	Diazepam
LLZKKZ	Diazepam	MU7P9A	Diazepam
LNQMT9	Diazepam	MVL4H6	Diazepam
LPHMPJ	diazepam	MWAP3F	Diazepam
LPWCQB	Diazepam	MX2PZQ	Diazepam
LTDMGZ	Diazepam	MXN2YY	Diazepam
LTGW38	diazepam	MY3KPN	Diazepam
LVLNTY	diazepam	MYG3Q9	Diazepam
LY4QXJ	Diazepam	MYLEE6	Diazepam
LZUYWM	DIAZEPAM	N6JHPV	Diazepam
M222VQ	Diazepam	N6MQA2	diazepam
M32WLN	Diazepam	NCKNTX	Diazepam
M4CUY6	Diazepam	NG2TP9	Diazepam
M6LQF4	Diazepam or an isomer thereof	NGXBLH	diazepam
M74TD4	Diazepam	NKXQPY	Diazepam
M8QDXE	Diazepam	NNW6B4	Diazepam
M8TYVF	Diazepam	NRCCY3	Diazepam
MBVZVC	Diazepam	NUHXNN	Diazepam
MCN3CZ	diazepam	NW9ACZ	diazepam
MF7VVF	DIAZEPAM	NYDPWK	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
P3EZE7	Diazepam	PXZCRN	Diazepam
P48W2E	Diazepam	PY9TH8	Diazepam
P6H3XF	Diazepam	PYB6V4	Diazepam
P76J8N	Diazepam	PZL8G3	Diazepam
P7VGLP	Diazepam	Q36QTJ	Diazepam
P87EWL	diazepam	Q4EMC3	Diazepam
P9XFWH	Diazepam	Q7PDW6	Diazepam
PBLRVN	diazepam	Q9AGA4	Diazepam
PBLTEZ	Diazepam	QBYXDB	Diazepam
PC2ZB4	Diazepam	QCFREK	Diazepam
PDA6D7	Diazepam	QDKPGZ	Diazepam
PDC4HZ	Diazepam	QFPA8L	Diazepam
PFZFH7	Diazepam	QFW7WY	Diazepam was identified within Item 2.
PK8TBX	Diazepam	QG4L46	Diazepam and/or ketazolam
PL3TWF	No controlled substance detected/identified	QGJZDZ	Diazepam
PMHQPE	Item #2: Diazepam	QJVKG4	Diazepam, CIV
PNBQLQ	Diazepam	QKP89Y	Diazepam
PP4KJU	Diazepam	QMH97B	Diazepam
PQDPWH	DIAZEPAM	QMUVD4	DIAZEPAM
PQVKG6	Diazepam	QMWG9J	diazepam
PQXFUA	Diazepam	QN9ACX	Diazepam
PT7DJK	Diazepam	QQFLUZ	Diazepam
PUUVD6	diazepam	QT46TC	diazepam
PW9CUD	Diazepam	QTJLLK	diazepam
PWMTVX	Diazepam	QUAR2B	diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
QUCDZC	Diazepam	TDX3T3	diazepam and/or ketazolam
QV4H8P	Diazepam, CIV	TDZE7Y	Diazepam
QVNYMR	DIAZEPAM	TGFVDG	Diazepam
QXBWVH	Diazepam	TGZRKB	Diazepam
QZYAD2	Diazepam	TJRQYA	diazepam
R3FY9X	Diazepam [State statute] (wt = 0.284g)	TJZ8PR	Diazepam
R9FY32	diazepam	TKJQWK	Diazepam
RCEDM6	Diazepam	TLDG3Y	Diazepam
REVNDU	Diazepam	TN3R7Y	Diazepam
RFDJ93	Diazepam	TPVR4A	Diazepam
RG7K7E	diazepam	TQ4QCX	Diazepam
RJQNFV	diazepam	TRYEP2	Diazepam
RLTKU7	diazepam	TU7WMW	Diazepam
RTYYC3	Diazepam	TUNNT2	Diazepam
RWWHAU	Diazepam	TW9R7Z	Diazepam
RXDTRZ	Diazepam	U23YDF	Diazepam
T2LQMY	Diazepam	U629P3	Diazepam
T3FFQT	Diazepam	U89LDV	Diazepam
T4RTVP	Diazepam	U89VWF	Diazepam
T4UW9Z	Diazepam	U9PKP8	Diazepam, a Schedule IV controlled substance.
T64RPY	diazepam	UATPRU	Diazepam
T8DNJ4	Diazepam	UAZMB7	Diazepam
TBC38T	Diazepam	UDDL DY	Material containing Diazepam - Schedule IV. Net weight of material - 0.29 (+/- 0.05) gram(s). (confidence level 99.7%)
TD34E2	Diazepam	UECTTY	diazepam
TDJC9X	Diazepam		

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
UENJPV	Diazepam	W3RZHU	Diazepam
UF4TQA	Diazepam	W4FJBE	Diazepam
UMYPKY	Diazepam	W4WNLX	Diazepam
UNEVCA	Diazepam	W6XMQR	diazepam
UQJF2V	Diazepam	W8LYPX	Diazepam, C-IV
UR9XRV	Diazepam	WCUAUK	Diazepam
UUJRXV	diazepam	WDAQV6	Diazepam
UW9ANV	Diazepam	WELG8V	Diazepam
UX84W2	Diazepam	WFZNQQ	Diazepam
V3W3N2	Diazepam	WGLNCZ	Diazepam
V7RUWY	Diazepam	WLYJ2B	Diazepam
V9EH7D	Diazepam	WMQFNJ	Diazepam
VAMULU	Diazepam	WMRA8P	diazepam
VC334U	Diazepam	WNAC4P	Diazepam
VKCAYX	Diazepam	WQBAHY	Diazepam
VM48DW	Diazepam	WQXN3V	Diazepam
VUYEQA	Diazepam	WUTPUC	Diazepam
WQFML	Diazepam	WV7Y8H	Diazepam
VXHCCE	Diazepam	WW2RQ9	Diazepam
VYAK7G	Diazepam	WXAUQL	Diazepam
W29DMR	Diazepam	WZ2QDU	diazepam
W2BVT4	Laboratory analysis of the white powder listed as a sample Item 2 finds it to contain diazepam. Diazepam, a benzodiazepine drug, is a Schedule IV controlled substance per 21. C.F.R. Part 1308.	WZNA9T	Diazepam
		X2QMAR	Diazepam
		X4HM83	Diazepam
W3CL9Y	Diazepam	X7L9B3	Diazepam

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
X99Z9Q	Diazepam (IV)	YGHTU7	Diazepam
XCWC8W	Diazepam	YHAURG	Diazepam and/or Ketazolam (salt form undetermined)
XDGFLV	Diazepam	YJPZHT	Diazepam
XEWJD2	Diazepam	YMLKBQ	diazepam
XGKB6X	Diazepam	YQ8DGR	Diazepam
XHC3JP	Diazepam	YTBAJ8	Diazepam
XHV48D	diazepam	YU6ZM2	Laboratory analysis of the sample (Item 2) finds it to contain diazepam, a Schedule IV controlled substance per 21.C.F.R. Part 1308.
XKMVL6	Diazepam	YVZN3P	Diazepam
XMBBVC	Diazepam	YWEYAV	diazepam
XNEFXV	Diazepam and/or Ketazolam. Ketazolam undergoes thermal degradation into Diazepam in the GC/MS.	Z3XLFK	diazepam
XQTQ8P	Diazepam	Z87WJ9	Diazepam / Schedule IV
XVFMLE	Diazepam	Z8C984	Diazepam
XVMK6R	diazepam	Z9GX77	Diazepam
XXEJJP	diazepam	ZBQ234	Diazepam
XYHGL6	Diazepam	ZBUGGP	diazepam
Y27B37	diazepam	ZDUNMU	Diazepam
Y64PPV	Diazepam	ZECJKN	Diazepam
Y7CVXQ	Diazepam	ZETU3U	diazepam
Y98MY3	Diazepam	ZFKVZ6	diazepam
YAHCFU	Diazepam	ZGCWY2	Diazepam
YB9HVK	Diazepam	ZJ6RLA	Diazepam
YBNYNR	Diazepam	ZJGJFC	Diazepam
YDZDHT	Diazepam	ZJMW2M	Diazepam
YF8R98	DIAZEPAM		

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
ZKVX3Z	Diazepam		
ZLB92T	Diazepam		
ZLPLGP	Diazepam		
ZNE4KV	Contains Diazepam		
ZNV77B	Diazepam		
ZQJH6F	Diazepam		
ZQMXK2	diazepam		
ZRCC3K	Diazepam		
ZRVDR8	Diazepam		
ZTAQHQ	Diazepam		
ZTBR23	Diazepam		

<i>Response Summary - Item 2</i>	
Participants: 599	
Diazepam:	596
No Controlled substance(s) detected/identified:	3
Other:	0

Examination Methods (Item 2)

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
243PAU	✓							✓	✓	
248V6W	✓	✓		✓					✓	
2ACUFL	✓								✓	
2B7HVB	✓								✓	
2CXM3N									✓	
2D8QWZ	✓								✓	
2DTYDW	✓			✓					✓	
2FZEJ3	✓								✓	Run on 2 columns
2H4ED8	✓	✓			✓				✓	
2KUB9T		✓							✓	XRD
2NBQQ8	✓								✓	FTIR Raman
2NTWPX	✓								✓	
2NUM6T	✓								✓	
2P3LDG	✓								✓	
2T3X9F	✓	✓			✓				✓	
2UKWER		✓			✓				✓	GC for retention time
2WNRXU	✓	✓		✓					✓	
2XZELA	✓	✓							✓	
2YC4WZ	✓								✓	
32TX3Y	✓				✓				✓	
36U3FJ	✓	✓						✓	✓	
37PLJ7	✓								✓	
39WUWW	✓	✓		✓					✓	
3APWDK	✓								✓	
3BK7V3	✓	✓							✓	Retention Time
3BYUQ3		✓							✓	
3DQT6Z					✓				✓	
3EHU3C		✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
3FBPQ7									✓	
3GQ6ZZ					✓				✓	
3H23EH					✓				✓	
3JEGZ7	✓	✓		✓					✓	
3JTX2Q	✓	✓							✓	
3NA4XZ	✓				✓	✓			✓	
3PD8ZM	✓				✓				✓	
3QWQ8F	✓								✓	ATR-IR Spectroscopy
3R8KAU	✓				✓				✓	
3UVZJ3		✓			✓				✓	TruNarc
3XBVZZ	✓				✓				✓	
3XQWZG	✓								✓	
3Y7FKE	✓	✓		✓					✓	
3ZY8Y7	✓	✓		✓					✓	
43NLBM									✓	DART - Agilent TOF
44UH7P	✓			✓					✓	
44ZPGX	✓	✓			✓	✓			✓	
47JM33									✓	
47KNLF	✓					✓			✓	
47ZKEF	✓								✓	
48VLYX	✓								✓	
4BDN3W		✓						✓	✓	IonScan
4C8BGL						✓			✓	
4EAGRK	✓								✓	
4JDWXP	✓								✓	GCIR
4K47G6	✓	✓							✓	
4MRHFB		✓						✓	✓	
4NZXMG	✓	✓							✓	
4QATGK	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
4QBVZX	✓								✓	
4QV88J		✓							✓	
4TX6FQ		✓							✓	
4TXE2V		✓						✓	✓	DART-MS
4TY8Y4	✓								✓	DART-TOF
4VH4L9		✓							✓	Silver Nitrate
4ZEVK	✓								✓	
4ZTG48	✓								✓	
63HVFN	✓								✓	
64RVNB	✓								✓	
663UK7					✓				✓	
68Q7KB	✓								✓	
6AGMF6		✓							✓	
6DX2XJ	✓								✓	
6ECC6P		✓							✓	
6ECEN2	✓				✓	✓			✓	DART-TOF
6FLDWP		✓							✓	
6G4BJM		✓							✓	weight, visual examination
6HW6GR	✓			✓					✓	
6JKMAC	✓	✓		✓					✓	
6LUMCY	✓				✓				✓	
6MNXYZ	✓	✓							✓	
6PBWJB	✓	✓							✓	
6TEQJ2	✓								✓	
6TG9NQ					✓				✓	FID
6TTCT3	✓			✓					✓	
6U7QGC	✓							✓	✓	
6WANJR	✓							✓	✓	
6YDGJH	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
6ZUJGH	✓	✓							✓	
727CBK	✓								✓	
72K22Q	✓							✓	✓	
73YC9V	✓	✓		✓					✓	
76JGHE					✓				✓	
78TBGY	✓								✓	
792JNY	✓								✓	
7ARQM2	✓	✓							✓	
7BTH2W	✓				✓	✓			✓	
7ENHTD	✓	✓							✓	
7GURJ	✓	✓							✓	
7GUX9W		✓			✓				✓	
7HLY78		✓							✓	
7KDVU2									✓	
7MYLXQ	✓							✓	✓	
7NC9F7	✓	✓				✓			✓	
7PQKCP									✓	
7Q6ZUW	✓	✓			✓				✓	
7T9Q3X	✓								✓	
7TRUBX	✓								✓	retention time comparison
7U2TJL	✓	✓							✓	
7VEDCV	✓								✓	
7W99RC	✓			✓					✓	
7X3PB2	✓								✓	
7XKQ6Q	✓								✓	
7Z8DUX	✓								✓	
82GRQ6									✓	
8376AN		✓							✓	
83BHWK	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
86TYRA	✓								✓	
87TQ76	✓								✓	
89GBQF	✓	✓							✓	
8AMTPB	✓	✓							✓	
8E28U6									✓	
8EYLXP	✓							✓	✓	
8H63D8					✓					
8HKGM3	✓								✓	
8JXVBC					✓				✓	
8K9XWB	✓	✓							✓	
8KWAQH									✓	DART Agilent TOF
8L64QN		✓							✓	XRD
8L68FT	✓			✓					✓	
8N99TB	✓	✓							✓	
8P4HBT	✓			✓					✓	
8QWKRF	✓								✓	
8RB3T2	✓	✓		✓					✓	
8YTFRZ									✓	
8Z8RHH								✓	✓	handheld raman
8ZHTAH									✓	
8ZM7XE	✓								✓	
93CKAV	✓	✓							✓	
97QFQT	✓	✓							✓	
983YVW		✓			✓				✓	Thermo Scientific TruNarc Analyzer
99UZR8								✓	✓	
9BYWUM	✓							✓	✓	
9EZTL3	✓								✓	
9HH4ND					✓				✓	
9HZ6H3	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
9JTZ6B	✓	✓		✓					✓	
9MQERZ								✓	✓	
9PJ4E3		✓							✓	
9UBM8K					✓			✓	✓	
9WGVMW					✓				✓	TruNarc
A2AAUH	✓	✓					✓		✓	
A4FUMK	✓								✓	
A6BHXT	✓				✓	✓			✓	
A8CN9T	✓				✓				✓	
AALMGF					✓	✓			✓	
AAZZ9X	✓	✓		✓					✓	
AC8B7M	✓			✓					✓	
ADHCXM	✓								✓	
ADZFEZ					✓				✓	
AFR8TR				✓					✓	
AGJ4FZ	✓	✓			✓				✓	
AGJ9P3									✓	
AHYKGK		✓							✓	
AJAAVQ		✓						✓	✓	IonScan
ALFQDV	✓	✓			✓				✓	
ALXR2H	✓						✓		✓	
AM7XAD	✓	✓		✓					✓	
AMQRYU	✓								✓	
ANPQFG		✓							✓	DART-AccuTOF
APGQDR	✓				✓				✓	
ATCR69	✓								✓	
AV234E	✓								✓	
AV9ZMQ	✓	✓		✓					✓	
AZBGLC	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
B2UD2J	✓					✓			✓	
B3EFFH		✓						✓	✓	
B6KWU2	✓	✓		✓					✓	Chloroform extraction and dried by evaporation; re-ran on FTIR. Results were inconclusive.
B7ZB4V	✓				✓	✓			✓	DART-TOF
B8T7KD						✓			✓	
B943EH	✓								✓	
B9Q6AD	✓	✓							✓	
BBFJRV	✓	✓							✓	
BDHLDQ	✓								✓	
BEUGXW	✓	✓		✓					✓	
BGL8CN	✓			✓					✓	
BGYQ9E	✓								✓	
BM33XK	✓	✓							✓	
BM6MUZ	✓								✓	
BNC3Z7	✓	✓							✓	
BPTYT7	✓							✓	✓	
BQ9AUJ		✓							✓	Balance
BT8U94		✓							✓	
BTERTF	✓	✓			✓				✓	Retention time confirmation
BTY99H	✓	✓					✓		✓	
BVJJKT	✓	✓		✓					✓	GC/IR
BXM6L8	✓	✓							✓	
C3YHRC	✓	✓							✓	
C4AE9B	✓								✓	
C4NVAV	✓					✓				GC/FID/MS
C9HUHY		✓							✓	
CC3HJY		✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
CEQYT8	✓								✓	
CHLUAK	✓								✓	
CKC7WX	✓								✓	
CKWRM3		✓							✓	
CLB86A					✓				✓	
CWPDTX					✓				✓	
CYDPT4	✓	✓							✓	
CZPF4T		✓							✓	
D3BLWN					✓				✓	
D43LUY									✓	
D6WDZD	✓								✓	
D7A226	✓	✓							✓	
D9XDZB	✓	✓							✓	
DB4P8C	✓	✓			✓				✓	
DBLUAJ	✓	✓						✓	✓	
DDB879	✓	✓			✓				✓	
DDNRKB		✓							✓	Weight Determination, DART-TOFMS
DH8RCD	✓								✓	
DHNPMP	✓				✓	✓			✓	
DJYRAN	✓	✓							✓	
DMY36N	✓			✓					✓	
DQKKM9	✓	✓			✓				✓	
DQWJHH		✓		✓					✓	
DUYHTB				✓		✓			✓	
DW388C	✓								✓	
DWMURF	✓								✓	
DYDZAR	✓	✓							✓	
DYT7LB	✓								✓	
E6WH6E	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
E79HZN	✓				✓	✓			✓	
EB3CYA	✓				✓				✓	
EHH4Z9	✓								✓	
EHY2R8	✓	✓							✓	
ERPLX7	✓			✓					✓	
ET2H4B	✓	✓							✓	
EWVGBE		✓						✓	✓	
EXYXWR	✓	✓							✓	
EZ3N8D	✓								✓	
F3PHNE	✓								✓	
F4K7ZH	✓	✓							✓	
F7M4BB	✓	✓			✓				✓	GC retention time confirmation
F8ZV7D	✓	✓							✓	
F9CGUT	✓	✓		✓					✓	
FAME8B					✓				✓	GC for Retention time
FBEGNY		✓							✓	
FDGHNV	✓	✓		✓					✓	
FDLNHC	✓						✓		✓	
FE283A	✓					✓			✓	
FFAA3M	✓				✓				✓	
FG2AYX		✓							✓	
FJ9FMK	✓			✓					✓	
FLEXRH	✓								✓	
FLFUBD	✓								✓	
FMWRMQ	✓	✓							✓	
FPEAGF	✓	✓		✓			✓		✓	
FQRQUU	✓	✓			✓				✓	
FQRTD7	✓	✓		✓					✓	
FTGWBK		✓						✓	✓	Ion Mobility Spectrometry

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
FUA4EG	✓			✓					✓	
FYMPNN	✓								✓	
G26CB9						✓			✓	
G2KUCT	✓								✓	
G3HVK7					✓				✓	
G678JB	✓	✓					✓		✓	
G8ABLX	✓	✓	✓		✓				✓	
GAU6FD		✓						✓		
GC63UU	✓	✓				✓			✓	
GD2AKM	✓								✓	
GJKLB9	✓	✓							✓	
GKY9MV		✓							✓	weight determination
GLX6K7					✓				✓	
GMBWF9		✓							✓	DART Agilent-TOF
GN3WDJ	✓								✓	
GNLFKC		✓							✓	
GQAAZD	✓								✓	
GRH62J	✓	✓		✓					✓	
GVGR8R	✓								✓	
GWDYYK	✓								✓	
GXKHFT	✓								✓	
GXKMQV	✓	✓							✓	
GYJN7					✓				✓	
GZBPWJ		✓						✓	✓	Proton and carbon NMR
GZWD3K	✓				✓	✓			✓	
H46XJQ	✓	✓		✓					✓	
H6XVRW	✓	✓		✓					✓	
H8CCA6					✓				✓	
HC3LJ3					✓				✓	GC/FID

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
HEQXJ9	✓	✓			✓				✓	GC Retention Time comparison with a reference standard
HGXFG4	✓					✓			✓	
HKU97T		✓							✓	
HL7QLR	✓								✓	
HQL9PU	✓								✓	
HQXYMD		✓							✓	
HRJN4	✓								✓	
HT9Q8F	✓			✓					✓	
HUZVET							✓		✓	
HVFANN	✓								✓	
HX78JA				✓	✓				✓	
HYH7F4	✓				✓				✓	
J2HN4X		✓							✓	
J3CF4B	✓	✓						✓	✓	
J6ZVDH	✓				✓	✓			✓	
J8NCMQ	✓								✓	
J92UZ4	✓								✓	
J9G42H	✓				✓	✓			✓	
J9VULL		✓							✓	
J9YCQC	✓	✓		✓					✓	
JAMVJX	✓	✓		✓					✓	
JCEMP	✓			✓	✓					
JFXU8A	✓								✓	
JH7W8M		✓							✓	
JHAECD	✓			✓					✓	
JHPTL9	✓								✓	
JHPV6K	✓	✓							✓	
JKAUA3	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
JKUDGV		✓							✓	
JMF6EJ	✓	✓			✓	✓			✓	
JP4QYU	✓								✓	Weight Determination
JQ3MW4					✓				✓	
JVQKU7			✓						✓	
JWJAG8	✓								✓	
K3CKED	✓	✓							✓	GC/FTIR
K3NNJN	✓	✓			✓				✓	
K69HE4	✓	✓							✓	
K6DUZE	✓								✓	
K6EMXM		✓			✓				✓	NMR
K6WQDZ					✓				✓	
K9BD7J					✓				✓	
KA62HM									✓	
KCUDGT	✓	✓							✓	
KCYP6P	✓	✓			✓				✓	
KEKMDF	✓	✓							✓	
KFULL4	✓								✓	
KQUC6P	✓	✓							✓	
KTHN4V	✓	✓							✓	
KTL4JG	✓								✓	
KURQRF		✓						✓	✓	
KWDJKA	✓	✓							✓	
KZMDW2	✓	✓			✓				✓	
L6M9Y9	✓				✓				✓	
L8GXF9	✓								✓	
L8XYHA	✓	✓		✓					✓	
LALHBV									✓	Weight Determination
LCWBEA	✓			✓					✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
LD4TC7	✓	✓							✓	
LFWGY8	✓								✓	
LHTEWD		✓						✓	✓	Ion Scan
LJC3GT		✓							✓	
LLBJKA	✓							✓	✓	
LLL2Z3	✓	✓							✓	
LLZKKZ	✓				✓				✓	
LNQMT9	✓	✓			✓				✓	
LPHMPJ	✓	✓			✓				✓	
LPWCQB	✓			✓					✓	
LTDMGZ	✓	✓						✓	✓	
LTGW38									✓	
LVLNTY					✓				✓	
LY4QXJ	✓	✓							✓	
LZUYWM									✓	Two separate samplings and GC/MS used.
M222VQ		✓							✓	
M32WLN		✓							✓	
M4CUY6	✓								✓	
M6LQF4	✓				✓				✓	FTIR with ATR accessory
M74TD4				✓					✓	
M8QDXE	✓								✓	
M8TYVF	✓				✓	✓			✓	
MBVZVC	✓								✓	
MCN3CZ	✓								✓	
MF7VVF	✓								✓	
MGYQCW					✓				✓	
MJAL72	✓			✓					✓	
MJLMKM		✓							✓	
MMJ4WG		✓			✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
MNDYDX	✓	✓		✓					✓	
MQ6XRW									✓	
MU7P9A	✓	✓		✓					✓	
MVL4H6	✓								✓	
MWAP3F	✓				✓				✓	
MX2PZQ		✓							✓	
MXN2YY	✓	✓							✓	
MY3KPN		✓							✓	
MYG3Q9	✓	✓		✓					✓	
MYLEE6	✓								✓	
N6JHPV	✓			✓					✓	
N6MQA2									✓	DART AgilentTOF
NCKNTX	✓			✓		✓			✓	
NG2TP9	✓				✓				✓	
NGXBLH	✓								✓	
NKXQPY	✓								✓	
NNW6B4	✓								✓	
NRCCY3	✓								✓	
NUHXNN	✓								✓	
NW9ACZ	✓	✓							✓	
NYDPWK	✓							✓	✓	
P3EZE7	✓			✓					✓	
P48W2E	✓	✓		✓					✓	
P6H3XF	✓			✓					✓	
P76J8N		✓							✓	
P7VGLP		✓							✓	
P87EWL					✓				✓	
P9XFWH									✓	
PBLRVN									✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
PBLTEZ	✓								✓	
PC2ZB4	✓					✓			✓	
PDA6D7		✓							✓	
PDC4HZ	✓	✓							✓	
PFZFH7							✓		✓	
PK8TBX	✓								✓	
PL3TWF		✓				✓		✓	✓	
PMHQPE					✓			✓	✓	
PNBQLQ	✓	✓							✓	
PP4KJU		✓	✓		✓		✓		✓	
PQDPWH									✓	
PQVKG6		✓							✓	
PQXFUA	✓	✓		✓					✓	
PT7DJK	✓	✓			✓				✓	
PUUVD6		✓						✓	✓	
PW9CUD	✓								✓	
PWMTVX									✓	GC-FID
PXZCRN	✓								✓	Weight Determination
PY9TH8	✓								✓	
PYB6V4	✓	✓			✓				✓	GC retention time confirmation using reference standard
PZL8G3	✓								✓	
Q36QTJ		✓							✓	
Q4EMC3		✓						✓	✓	
Q7PDW6							✓		✓	
Q9AGA4	✓	✓							✓	
QBYXDB	✓								✓	
QCFREK	✓	✓							✓	
QDKPGZ	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
QFPA8L									✓	
QFW7WY		✓							✓	DART/TOF-MS, weight determination
QG4L46									✓	
QGJZDZ	✓								✓	
QJVKG4	✓	✓							✓	
QKP89Y									✓	DART-AgilentTOF
QMH97B	✓								✓	
QMUVD4	✓				✓				✓	
QMWG9J	✓	✓			✓				✓	
QN9ACX					✓				✓	
QQFLUZ				✓					✓	
QT46TC	✓				✓				✓	
QTJLLK		✓			✓				✓	
QUAR2B	✓								✓	
QUCDZC	✓							✓	✓	
QV4H8P	✓	✓							✓	
QVNYMR	✓	✓							✓	
QXBWVH	✓	✓			✓				✓	
QZYAD2	✓	✓		✓					✓	
R3FY9X		✓			✓	✓			✓	
R9FY32	✓						✓		✓	
RCEDM6	✓	✓		✓					✓	
REVNDU	✓							✓	✓	
RFDJ93	✓	✓							✓	
RG7K7E	✓	✓							✓	
RJQNFV	✓	✓							✓	
RLTKU7	✓	✓							✓	
RTYYC3									✓	TruNarc
RWWHAU	✓				✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
RXDTRZ	✓	✓							✓	
T2LQMY	✓			✓					✓	
T3FFQT	✓								✓	
T4RTVP	✓	✓							✓	
T4UW9Z	✓								✓	
T64RPY	✓	✓							✓	
T8DNJ4	✓			✓					✓	
TBC38T	✓				✓				✓	
TD34E2	✓								✓	
TDJC9X	✓	✓			✓				✓	
TDX3T3	✓								✓	
TDZE7Y	✓								✓	
TGFVDG		✓							✓	
TGZRKB					✓				✓	
TJRQYA	✓								✓	
TJZ8PR	✓	✓		✓					✓	
TKJQWK									✓	Weight Determination
TLDG3Y		✓			✓				✓	
TN3R7Y									✓	
TPVR4A	✓					✓			✓	
TQ4QCX									✓	
TRYEP2			✓	✓		✓				HPTLC-UV
TU7WMW									✓	
TUNNT2				✓					✓	
TW9R7Z								✓	✓	
U23YDF	✓	✓							✓	
U629P3	✓	✓		✓					✓	
U89LDV		✓							✓	solvent chemistry
U89VWF					✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
U9PKP8	✓			✓					✓	
UATPRU	✓	✓							✓	
UAZMB7	✓				✓	✓			✓	
UDDL DY	✓	✓							✓	
UECTTY		✓			✓				✓	
UENJPV	✓				✓				✓	
UF4TQA									✓	GC/IR
UMYPKY		✓						✓	✓	
UNEVCA	✓								✓	GC-FTIR
UQJF2V	✓	✓			✓				✓	
UR9XRV	✓								✓	
UUJRXV	✓	✓							✓	
UW9ANV	✓								✓	
UX84W2		✓							✓	
V3W3N2	✓	✓		✓					✓	
V7RUWY	✓	✓							✓	
V9EH7D	✓								✓	
VAMULU		✓							✓	
VC334U	✓				✓				✓	TruNarc
VKCAYX	✓								✓	
VM48DW				✓					✓	
VUYEQA					✓				✓	
VVQFML	✓	✓							✓	
VXHCCE	✓	✓						✓	✓	
VYAK7G	✓								✓	
W29DMR	✓				✓					
W2BVT4		✓							✓	
W3CL9Y		✓					✓		✓	
W3RZHU									✓	TruNarc

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
W4FJBE	✓	✓							✓	
W4WNLX	✓								✓	
W6XMQR	✓	✓							✓	
W8LYPX		✓							✓	
WCUAUK	✓								✓	
WDAQV6	✓								✓	
WELG8V	✓	✓							✓	
WFZNQQ					✓				✓	
WGLNCZ	✓								✓	
WLYJ2B									✓	
WMQFNJ	✓								✓	
WMRA8P	✓								✓	
WNAC4P					✓				✓	
WQBAHY		✓							✓	
WQXN3V	✓								✓	
WUTPUC	✓								✓	
WV7Y8H		✓							✓	
WW2RQ9	✓	✓							✓	
WXAUQL									✓	
WZ2QDU	✓				✓				✓	FTIR with ATR accessory
WZNA9T	✓	✓						✓	✓	
X2QMAR									✓	DART Agilent-TOF
X4HM83	✓								✓	
X7L9B3	✓								✓	
X99Z9Q				✓	✓				✓	
XCWC8W	✓	✓							✓	
XDGFLV		✓							✓	
XEWJD2	✓								✓	
XGKB6X	✓							✓	✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
XHC3JP	✓	✓							✓	
XHV48D		✓			✓				✓	
XKMVL6	✓				✓	✓			✓	
XMBBVC	✓	✓			✓				✓	
XNEFXV	✓							✓	✓	
XQTQ8P	✓	✓		✓		✓			✓	
XVFMLE									✓	Weight Determination
XVMK6R	✓	✓							✓	
XXEJJP					✓				✓	
XYHGL6					✓				✓	
Y27B37	✓	✓							✓	
Y64PPV		✓							✓	XRD
Y7CVXQ		✓							✓	
Y98MY3	✓				✓	✓			✓	
YAHCFU	✓			✓					✓	
YB9HVK	✓				✓				✓	
YBNYNR	✓	✓							✓	
YDZDHT		✓			✓				✓	
YF8R98	✓	✓							✓	
YGHTU7	✓								✓	
YHAURG									✓	
YJPZHT		✓							✓	
YMLKBQ	✓								✓	
YQ8DGR	✓	✓			✓				✓	GC for retention time confirmation
YTBAJ8	✓								✓	
YU6ZM2		✓							✓	
YVZN3P	✓					✓		✓	✓	
YWEYAV	✓					✓			✓	
Z3XLFK					✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
Z87WJ9	✓	✓							✓	
Z8C984	✓	✓							✓	
Z9GX77									✓	
ZBQ234	✓								✓	GC/IR
ZBUGGP									✓	DART-AccuTOF
ZDUNMU									✓	
ZECJKN	✓	✓							✓	Polarized Light Microscopy
ZETU3U	✓	✓							✓	
ZFKVZ6	✓	✓							✓	
ZGCWY2	✓								✓	
ZJ6RLA	✓								✓	
ZJGJFC	✓								✓	
ZJMW2M	✓								✓	
ZKVX3Z		✓						✓	✓	
ZLB92T	✓								✓	
ZLPLGP	✓					✓		✓	✓	
ZNE4KV	✓			✓					✓	
ZNV77B									✓	
ZQJH6F	✓								✓	
ZQMXK2	✓								✓	
ZRCC3K	✓			✓					✓	
ZRVDR8	✓	✓		✓					✓	Gas Chromatography Retention Time
ZTAQHQ	✓				✓				✓	
ZTBR23	✓	✓							✓	GCIR

Response Summary										Total Participants: 599
	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	
Participants	409	257	4	77	121	38	12	44	593	
Percent	68%	43%	1%	13%	20%	6%	2%	7%	99%	

Additional Comments

TABLE 3

WebCode	Additional Comments
2KUB9T	Diazepam (Schedule IV) was identified in Exhibits 1 and 2.
3BYUQ3	Lactose was also identified in both Items 1 and 2. The Lactose was identified using FTIR.
3UVZJ3	The possible presence of diazepam and/or ketazolam was detected in Item 1 and Item 2. Diazepam and ketazolam could not be analytically distinguished due to the nature of the analyte. Diazepam and ketazolam are both Schedule 4 controlled substances.
4K47G6	Item 1 and Item 2 also contain lactose.
4VH4L9	Lactose was also detected but not confirmed in both substances.
6G4BJM	Ketazolam may also rearrange to form Diazepam within the GC instrument.
7NC9F7	Diazepam was identified as being present. It is controlled under the [Country Legislation] and is not considered a controlled drug.
7Q6ZUW	Items 1 and 2 also contained the noncontrolled substance lactose.
82GRQ6	The lab does not test for salts or diluents.
8L64QN	Diazepam (C-IV) was identified in Exhibits 1 and 2. Scheduling information reported is based on US Code of Federal Regulations Title 21 Section 1308.
A2AAUH	LC-TOF/MS instrument
AGJ9P3	The lab does not test for salts or diluents.
B3EFFH	Using the FTIR and RAMAN Spectroscopy the presence of Alpha Lactose was confirmed on both items.
B7ZB4V	Gross weights were taken before sampling/testing. GC-FID-MS instrument used for GC/GC-MS analysis for Items 1 and 2.
BVJJKT	Cut with lactose
CC3HJY	both items 1 and 2 were also found to contain a substance consistent with lactose
D43LUY	The lab does not test for salts or diluents.
EB3CYA	2 Separate extractions were done for each item - 1 in MeOH and another in CHCl ₃
EWVGBE	Both items were analyzed neat on FT-IR and Raman, data resulted in a mixture where alpha-lactose had a match with significant percentage value. Alpha-lactose is a non-controlled substance.
F4K7ZH	Lactose also detected in both samples
FG2AYX	Lactose was also presumptively identified in both items.
G26CB9	TLC results for both samples appears to show spots with R _f values in line with that of diazepam. The spot for ketazolam appears slightly lower. GCMS confirmation tests did not show the presence of the cleaved ester/ether moiety commonly observed when ketazolam breaks down to diazepam.
GVGR8R	For Item 1 and 2, Diazepam are detected. In [Country], Diazepam is listed in the [Country Legislation].
GZBPWJ	Both items contain diazepam along with lactose, the ratio of the components is different.
HKU97T	Item 1 also contains material consistent with lactose, a sugar. Item 2 also contains material consistent with lactose, a sugar.
J9VULL	lactose was also present in Item 1 and Item 2.
JH7W8M	Both items also contain lactose which was identified by FTIR
JVQKU7	Item 1 and 2 were distributed among six technical staff [Initials]. The items were analysed by GCMS and LC after extraction and cleanup by Quechers Method (In house) using Acetonitrile.

TABLE 3

WebCode	Additional Comments
M32WLN	Item 1 was 0.2 gram of white powder found to contain diazepam. Item 2 was 0.2 gram of white powder found to contain diazepam.
MJLMKM	Both Items 1 and 2 also contain a substance consistent with lactose.
MY3KPN	Item 1 also contained a substance consistent with lactose (not reported). Item 2 also contained a substance consistent with lactose (not reported).
NNW6B4	Performed additional run for each sample to ensure the controlled substance present was the only one since they each had the same substance.
NYDPWK	Diazepam is listed in First Schedule and Third Schedule (Psychoactive substances) [Country Legislation]. Lactose found in both item 1 and 2.
PL3TWF	We were surprised to find that both samples were identical. We tested the samples in various methods and double checked the results. We are not sure if this was the intention of the company and would like to receive a feedback concerning this finding. Both samples contained Diazepam and a sugar, probably lactose. Diazepam is not a controlled substance in [Country].
PQXFUA	Possible Lactose was detected by FTIR in Item 1 and 2.
PWMTVX	Item 1 Found to contain diazepam, a Schedule IV non-narcotic. Item 2 Found to contain diazepam, a Schedule IV non-narcotic.
Q36QTJ	A substance consistent with lactose was found in both items 1 and 2.
QFPA8L	The lab does not test for salts or diluents.
QG4L46	Unable to distinguish between diazepam and ketazolam by GC/MS due to thermal degradation of ketazolam to diazepam per: UNODC 2012: Recommended Methods for the Identification and Analysis of Barbiturates and Benzodiazepines under International Control. Joyce, Bal, Andrey, Stevens, Moffat- Biomed Mass Spectrom 1984, 11,284-289.
QTJLLK	FTIR indicates both items contain lactose.
RXDTRZ	The powder from each item also contained lactose.
T4RTVP	Lactose identified in both samples.
U629P3	Item #2: Portion of substance is insoluble in MeOH. FTIR spectrum of that substance indicates the presence of an apparent mix of sugars.
W4FJBE	Items 1 and 2 contain material consistent with lactose.
XNEFX	Sources for Ketazolam thermal degradation to Diazepam: 1) Joyce, J R et al. "The decomposition of benzodiazepines during analysis by capillary gas chromatography/mass spectrometry." Biomedical mass spectrometry vol. 11,6 (1984): 284-9. doi:10.1002/bms.1200110607. 2) NISTNotes Seized Drugs Subcommittee GC/MS Analysis Considerations May 2020.
YHAURG	Ketazolam is thermally unstable. When utilizing GCMS, ketazolam decomposes into diazepam.

-End of Report-
(Appendix may follow)

Test No. 21-5001: Drug Analysis

DATA MUST BE SUBMITTED BY **June 1, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: VVEPP3

The Accreditation Release section can be accessed by using the "Continue to Final Submission" button above. This information can be entered at any time prior to submitting to CTS.

Scenario:

An investigator has submitted two questioned powdered substances for analysis. Please examine the samples and determine if any controlled substances are present.

Please note: The controlled status of substances is based on the list in section 1308 of Title 21 Code of Federal Regulations under the United States Controlled Substances Act.

Items Submitted (Sample Pack DA1):

Item 1: First powdered substance

Item 2: Second powdered substance

1a.) Were any controlled substances present in Item 1? If yes, list each substance.

- No controlled substance detected/identified Controlled Substance(s) detected/identified (please list below).
Indicate salt form if determined.

1b.) What methods were used to examine Item 1?

(If color and/or crystal tests are used, please simply check the appropriate method below. Specific color and crystal tests will not be listed in the summary report.)

Color Tests FTIR LC UV GC
Crystal Tests TLC LC/MS Raman GC/MS

Other (specify):

2a.) Were any controlled substances present in Item 2? If yes, list each substance.

No controlled substance detected/identified

Controlled Substance(s) detected/identified (please list below).
Indicate salt form if determined.

2b.) What methods were used to examine Item 2?

(If color and/or crystal tests are used, please simply check the appropriate method below. Specific color and crystal tests will not be listed in the summary report.)

Color Tests FTIR LC UV GC
Crystal Tests TLC LC/MS Raman GC/MS

Other (specify):

3.) Additional Comments

Please note: Any additional formatting applied in the free form space below will not transfer to the Summary Report and may cause your information to be illegible. This includes additional spacing and returns that present your responses in lists and tabular formats.

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

Have the laboratory's designated individual complete the following steps **only if your laboratory is accredited in this testing/calibration discipline** by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory.

ANAB Certificate No.
(Include ASCLD/LAB Certificate here)

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety.

Authorized Contact Person and Title

Laboratory Name

Location (City/State)