REVIEWED
By STATE PROCUREMENT OFFICE at 3:19 pm, Jul 25, 2016

STATE PROCUREMENT OFFICE

NOTICE & REQUEST FOR SOLE SOURCE

TO: Chief Procurement Officer

FROM: HEALTH
Name of Requesting Department

Pursuant to HRS §103D-306 and HAR chapter 3-122, Subchapter 9, the Department requests sole source approval to purchase the following:

1. Describe the goods, services, or construction to be procured.
Analytical Laboratory Services to conduct water analyses for pharmaceutical and personal care products (PPCPs) and pesticides in wastewater and reclaimed wastewater samples. (See Attachment #1 for listing of analytes to be analyzed.)

2. Vendor/Contractor/Service Provider Name:
Eurofins Eaton Analytical, Inc.

3. Amount of Request: SMW 7/29/16
~~$20,000.00~~ $40,000.00

4. Term of contract (shall not exceed 12 months), if applicable:
From: Jul ~~15~~ 25, 2016 SMW 7/29/16 To: July ~~14~~ 24, 2017 SMW 7/29/16

5. Prior SPO-001, Sole Source (SS) No.:

6. Describe in detail the following:
a. The unique features, characteristics, or capabilities of the goods, service or construction.
Under the State's Cooperative Agreement with the U.S. EPA, Region 9, Grant Number 00939415 , dated 08/25/2014 (See Attachment #2), Programmatic Condition d. states that "Before measurement activities are undertaken for any PPCP related project, the EPA [Quality Assurance] QA Office must give full and unconditional approval of the [Groundwater Protection Program's Quality Assurance Program Plan] QAPrP." On 1/27/2016, the EPA QA Office gave the State full and unconditional approval to its QAPrP (See Attachment #3). Specific approval was granted only to Eurofins Eaton Analytical Inc. for PPCPs analyses.

b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department
The approval of the QAPrP and Eurofins Eaton Analytical Inc., by the U.S. EPA, Region 9 QA Office, for analyzing PPCPs allows the State to utilize Federal Grant funds to conduct environmental measurement for the purpose of collecting water quality data for decision-making and in the development and implementation of water quality and quantity projects/program. Data collected from this project will assist in developing water quality criteria, resource monitoring programs, and protection programs associated with the use of reclaimed wastewater (currently being evaluated as a major alternative source of water) PPCPs are a rising concern in groundwater protection because of the proposed use of

14011

recycled water over aquifers used as sources of drinking water. The analyses are needed to further identify the threat of this reuse to the quality of groundwater. Failure to properly identify this threat will result in groundwater contamination and the potential loss of available drinking water. The simplified sample collection process will reduce the number, type, frequency, and volume of samples that need to be collected, resulting in cost savings associated with sample collection.

7. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services or construction.

Evaluated three laboratories to possibly provide the analytical services. (1) Hawaii Department of Health, State Laboratories Division (EPA deemed that it did not have the experience & could not demonstrate it could support this effort); (2) University of Nebraska, Water Laboratory which had done previous analytical PPCPs work (does not have a quality assurance/quality control program for its water analysis program and did not have the requested/required documentation for EPA review); and (3) Eurofins Eaton Analytical Inc. (experienced with PPCPs analyses & successfully provided EPA w/ the proper documentation of its PPCPs analyses & associated QA/QC process). Under the approved EPA QAPrP, Grant funding is to be use for PPCPs analysis only if conducted by Eurofins Eaton Analytical Inc.

8. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the department's needs.

Eurofins Eaton Analytical Inc. is the only laboratory recognized by the U.S. EPA to perform these analyses.

9. Identify the primary responsible staff person(s) conducting and managing this procurement. (Appropriate delegated procurement authority and completion of mandatory training required.)
*Point of contact (Place asterisk after name of person to contact for additional information).

Name	Division/Agency	Phone Number	E-mail Address
Joanna Seto	*EMD/SDWB*	*586-4259*	*joanna.seto@doh.hawaii.gov*
Daniel Chang	*EMD/SDWB*	*586-4258*	*daniel.chang@doh,hawaii.gov*

Department shall ensure adherence to applicable administrative and statutory requirements, including HAR chapter 3-122, Subchapter 15, Cost or Pricing Data if required.

All requirements/approvals and internal controls for this expenditure is the responsibility of the department. I certify that the information provided is to the best of my knowledge, true and correct.

Virginia Pressler

Department Head Signature

Date JUL 25 2016

For Chief Procurement Officer Use Only

Date Notice Posted: 7/26/2016

Submit written objection to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from date notice posted to:

state.procurement.office@hawaii.gov

Chief Procurement Officer (CPO) Comments:

Approval is granted for the period 7/25/2016 to 7/24/2017 and is based on the department's representation that the EPA Quality Assurance office have given the State full unconditional approval for Eurofins Eaton Analytical, Inc. to perform analyses of PPCP's. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112 shall apply (i.e. vendor is required to provide proof of compliance and may use the Hawaii Compliance Express), and the award is required to be posted on the Awards Reporting System. Copies of compliance and the awards posting are required to be documented in the procurement/contract file.

If there are any questions, please contact Stanton Mato at 586-0566, or email stanton.d.mato@hawaii.gov

☒ Approved ☐ Disapproved ☐ No Action Required

Chief Procurement Officer Signature *Date* 8/3/16

eurofins | Eaton Analytical

Date: 09/23/2015

#DX_ABI_EDC_PLUS

ANALYTE	METHOD	CONTAINER & PRESERVATIVES	HOLDING TIME	MRL	MDL	UNITS	LCS RANGE	MS RANGE	CAS #
2,4-D	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.98	ng/L	60 - 140	60 - 140	94-75-7
4-nonylphenol - semi quantitative	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100	50	ng/L	60 - 140	60 - 140	104-40-5
4-tert-octylphenol	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	50	6.90	ng/L	60 - 140	60 - 140	27193-28-8
Acesulfame-K	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	20	ng/L	60 - 140	60 - 140	55589-62-3
Bendroflumethiazide	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.37	ng/L	60 - 140	60 - 140	73-48-3
BPA	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	7.17	ng/L	60 - 140	60 - 140	80-05-7
Butalbital	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.90	ng/L	60 - 140	60 - 140	77-26-9
Butylparben	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.27	ng/L	60 - 140	60 - 140	94-26-8
Chloramphenicol	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	3.10	ng/L	60 - 140	60 - 140	56-75-7
Clofibric Acid	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	5	ng/L	60 - 140	60 - 140	882-09-7
Diclofenac	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.30	ng/L	60 - 140	60 - 140	15307-86-5
Estradiol	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.41	ng/L	60 - 140	60 - 140	50-28-2
Estrone	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.90	ng/L	60 - 140	60 - 140	53-16-7
Ethinyl Estradiol - 17 alpha	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.32	ng/L	60 - 140	60 - 140	77538-56-8
Ethylparaben	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	11.4	ng/L	60 - 140	60 - 140	120-47-8
Gemfibrozil	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.47	ng/L	60 - 140	60 - 140	25812-30-0
Ibuprofen	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	8.63	ng/L	60 - 140	60 - 140	15687-27-1
Iohexal	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	7.74	ng/L	60 - 140	50 - 150	66108-95-0
Iopromide	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.59	ng/L	60 - 140	50 - 150	73334-07-3
Isobutylparaben	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.21	ng/L	60 - 140	60 - 140	4247-02-3

ANALYTE	METHOD	CONTAINER & PRESERVATIVES	HOLDING TIME	MRL	MDL	UNITS	LCS RANGE	MS RANGE	CAS #
Lipitor (Atorvastain)	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100		ng/L	60 - 140	60 - 140	
Methylparaben	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	11.4	ng/L	60 - 140	60 - 140	99-76-3
Naproxen	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	8.51	ng/L	60 - 140	60 - 140	22204-53-1
Propylparaben	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.94	ng/L	60 - 140	60 - 140	94-13-3
Salicylic Acid	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100		ng/L	60 - 140	60 - 140	69-72-7
Sucralose	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100	42.2	ng/L	60 - 140	60 - 140	56038-13-2
Triclocarban	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5		ng/L	60 - 140	60 - 140	10-20-21
Triclosan	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	6.32	ng/L	60 - 140	60 - 140	3380-34-5
Warfarin	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.06	ng/L	60 - 140	60 - 140	81-81-2
1,7-Dimethylxanthine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	3.35	ng/L	60 - 140	60 - 140	611-59-6
Acetaminophen	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.01	ng/L	60 - 140	60 - 140	103-90-2
Albuterol	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.45	ng/L	60 - 140	60 - 140	18559-94-9
Amoxicillin (semi-quantitative)	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	6.39	ng/L	60 - 140	60 - 140	26787-78-0
Andorostenedione	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.71	ng/L	60 - 140	60 - 140	63-05-8
Atenolol	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.88	ng/L	60 - 140	60 - 140	29122-68-7
Atrazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.34	ng/L	60 - 140	60 - 140	1912-24-9
Azithromycin	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	10	ng/L	60 - 140	60 - 140	83905-01-5
Bezafibrate	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.51	ng/L	60 - 140	60 - 140	41859-67-0
Bromacil	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.245	ng/L	60 - 140	60 - 140	314-40-9
Caffeine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.31	ng/L	60 - 140	60 - 140	58-08-2
Carbadox	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.19	ng/L	60 - 140	60 - 140	6804-07-5
Carbamazepine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.21	ng/L	60 - 140	60 - 140	298-46-4

ANALYTE	METHOD	CONTAINER & PRESERVATIVES	HOLDING TIME	MRL	MDL	UNITS	LCS RANGE	MS RANGE	CAS #
Carisoprodol	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.19	ng/L	60 - 140	60 - 140	78-44-4
Chloridazon	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.57	ng/L	60 - 140	60 - 140	1698-60-8
Chlorotoluron	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	0.892	ng/L	60 - 140	60 - 140	155-45-489
Cimetidine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.71	ng/L	60 - 140	60 - 140	51481-61-9
Ciprofloxacin - Cipro	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100	20	ng/L	40 - 160	40 - 160	
Cotinine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	4.85	ng/L	60 - 140	60 - 140	486-56-6
Cyanazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.68	ng/L	60 - 140	60 - 140	21725-46-2
DACT	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.92	ng/L	60 - 140	60 - 140	3397-62-4
DEA	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.48	ng/L	60 - 140	60 - 140	6190-65-4
DEET	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	1.08	ng/L	60 - 140	60 - 140	134-62-3
Dehydronifedipine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.35	ng/L	60 - 140	60 - 140	67035-22-7
DIA	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.45	ng/L	60 - 140	60 - 140	1007-28-9
Diazepam	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.06	ng/L	60 - 140	60 - 140	15307-86-5
Dilantin	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	12.6	ng/L	60 - 140	60 - 140	57-41-0
Diltiazem	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3	ng/L	60 - 140	60 - 140	42399-41-7
Diuron	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.80	ng/L	60 - 140	60 - 140	330-54-1
Erythromycin	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	4.03	ng/L	60 - 140	60 - 140	114-07-8
Flumeqine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	7.10	ng/L	60 - 140	60 - 140	42835-25-6
Fluoxetine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	10	ng/L	60 - 140	60 - 140	54910-89-3
Isoproturon	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100	12.3	ng/L	60 - 140	60 - 140	341-23-596
Ketoprofen	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.59	ng/L	60 - 140	60 - 140	22071-15-4
Ketorolac	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.07	ng/L	60 - 140	60 - 140	74103-06-3

ANALYTE	METHOD	CONTAINER & PRESERVATIVES	HOLDING TIME	MRL	MDL	UNITS	LCS RANGE	MS RANGE	CAS #
Lidocaine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.11	ng/L	60 - 140	60 - 140	137-58-6
Lincomycin	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	1.68	ng/L	60 - 140	60 - 140	154-21-2
Linuron	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.84	ng/L	60 - 140	60 - 140	330-55-2
Lopressor	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	5.14	ng/L	60 - 140	60 - 140	51384-51-1
Meclofenamic Acid	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.66	ng/L	60 - 140	60 - 140	644-62-2
Meprobamate	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.03	ng/L	60 - 140	60 - 140	57-53-4
Metazachlor	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.27	ng/L	60 - 140	60 - 140	67129-08-2
Metolachlor	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5		ng/L	60 - 140	60 - 140	51218-45-2
Nifedipine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	12.4	ng/L	60 - 140	60 - 140	21829-25-4
Norethisterone	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.26	ng/L	60 - 140	60 - 140	68-22-4
Oxolinic acid	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	2.46	ng/L	60 - 140	60 - 140	14698-29-4
Pentoxifylline	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.53	ng/L	60 - 140	60 - 140	6493-05-6
Phenazone	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	5	ng/L	60 - 140	60 - 140	60-80-0
Primidone	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.77	ng/L	60 - 140	60 - 140	125-33-7
Progesterone	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.94	ng/L	60 - 140	60 - 140	57-83-0
Propazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.81	ng/L	60 - 140	60 - 140	139-40-2
Quinoline	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.5	ng/L	60 - 140	60 - 140	91-22-5
Simazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.23	ng/L	60 - 140	60 - 140	122-34-9
Sulfachloropyridazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.09	ng/L	60 - 140	60 - 140	80-32-0
Sulfadiazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.94	ng/L	60 - 140	60 - 140	68-35-9
Sulfadimethoxine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.60	ng/L	60 - 140	60 - 140	122-11-2
Sulfamerazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	4.58	ng/L	60 - 140	60 - 140	127-79-7

ANALYTE	METHOD	CONTAINER & PRESERVATIVES	HOLDING TIME	MRL	MDL	UNITS	LCS RANGE	MS RANGE	CAS #
Sulfamethazine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.46	ng/L	60 - 140	60 - 140	57-68-1
Sulfamethizole	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	3.15	ng/L	60 - 140	60 - 140	144-82-1
Sulfamethoxazole	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.82	ng/L	60 - 140	60 - 140	723-46-6
Sulfathiazole	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.36	ng/L	60 - 140	60 - 140	72-14-0
TCEP	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	3.18	ng/L	60 - 140	60 - 140	51805-45-9
TCPP	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100	20	ng/L	40 - 160	40 - 160	13674-87-8
TDCPP	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	100	20	ng/L	40 - 160	40 - 160	13674-87-8
Testosterone	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	2.5	ng/L	60 - 140	60 - 140	58-22-0
Theobromine	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	10	3.17	ng/L	60 - 140	60 - 140	83-67-0
Theophylline	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	20	4.76	ng/L	60 - 140	60 - 140	58-55-9
Trimethoprim	LC-MS-MS	40ml amber glass vial 2.56 mg NaOmadine + 5 mg Ascorbic Acid	28 DAY	5	1.81	ng/L	60 - 140	60 - 140	738-70-5

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