

Order ID 6455171
 Lab ID 4194396
 Patient ID P025091

Sample Patient

Sex: Female • 42yrs • 30-Jan-84

RECEIVED
12-Feb-26

Ext ID 26043-0543
 Alt ID 3026020307

ENVIRONMENTAL TOXINS PANEL

Specimen type - Urine, Spot

Collected

10-Feb-26 01.21pm

CYSTEINE DERIVATIVES

TEST	RESULT	H/L	REFERENCE	UNITS
N-Acetyl (3,4-Dihydroxybutyl) cysteine (NADB)	37.52		(<250.00)	ug/gCR
N-Acetyl (carbomylethyl) cysteine	8.49		(<190.00)	ug/gCR
N-Acetyl phenyl cysteine (SPMA)	<DL		(<5.00)	ug/gCR
N-Acetyl (propyl) cysteine (NAPR)	<DL		(<25.00)	ug/gCR

ENVIRONMENTAL PHENOLS

TEST	RESULT	H/L	REFERENCE	UNITS
4-Nonylphenol	<DL		(<3.00)	ug/gCR
Bisphenol A (BPA)	0.42		(<4.00)	ug/gCR
Triclosan (TCS)	1.56		(<50.00)	ug/gCR

HERBICIDES (Synthetic Auxins)

TEST	RESULT	H/L	REFERENCE	UNITS
2,4-Dichlorophenoxyacetic acid (2,4-D)	<DL		(<1.00)	ug/gCR

HERBICIDES (Photosynthetic Inhibitors)

TEST	RESULT	H/L	REFERENCE	UNITS
Atrazine	<DL		(<0.50)	ug/gCR
Atrazine mercapturate	<DL		(<0.50)	ug/gCR

HERBICIDES (EPSP Inhibitors)

TEST	RESULT	H/L	REFERENCE	UNITS
Aminomethylphosphonic Acid (AMPA)	0.16		(<2.00)	ug/gCR
Glyphosate	<DL		(<1.0)	ppb

METHYL TERT-BUTYL ETHER (MTBE) EXPOSURE

TEST	RESULT	H/L	REFERENCE	UNITS
alpha-HydroxyIsoButyrate	2.59		(<6.90)	ug/mgCR

MITOCHONDRIAL MARKERS

TEST	RESULT	H/L	REFERENCE	UNITS
Tiglylglycine	<DL		(<10.00)	ug/gCR

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PARABENS

TEST	RESULT	H/L	REFERENCE	UNITS
● Benzylparaben	0.02		(<2.00)	ug/gCR
● Butylparaben	<DL		(<1.00)	ug/gCR
● Ethylparaben	0.65		(<7.00)	ug/gCR
● Methylparaben	11.19		(<120.00)	ug/gCR
● ParahydroxyBenzoic Acid	0.05		(<0.57)	mmol/molCR
● Propylparaben	9.40		(<35.00)	ug/gCR

PESTICIDES

TEST	RESULT	H/L	REFERENCE	UNITS
● 3-Phenoxybenzoic Acid (3PBA)	<DL		(<3.00)	ug/gCR
● Diethyl Phosphate (DEP)	<DL		(<9.00)	ug/gCR
● Diethyldithiophosphate (DEDTP)	0.06		(<0.20)	ug/gCR
● Diphenyl phosphate (DPP)	1.30		(<2.50)	ug/gCR
● Diethylthiophosphate (DETP)	0.26		(<1.00)	ug/gCR

PFA's

TEST	RESULT	H/L	REFERENCE	UNITS
● Perfluorobutanoic acid (PFBA)	<DL		(<1.20)	ug/gCR
● Perfluorooctanoic Acid (PFOA)	<DL		(<0.10)	ug/gCR
● Perfluorooctane Sulphonic Acid (PFOS)	<DL		(<0.60)	ug/gCR

PHTHALATES

TEST	RESULT	H/L	REFERENCE	UNITS
● Butyl Benzyl phthalate (BBP)	0.07		(<1.00)	ug/gCR
● Mono-Benzyl phthalate (mBzP)	<DL		(<3.00)	ug/gCR
● Mono-n-Butyl phthalate (mBP)	2.58		(<55.00)	ug/gCR
● Mono (3-carboxypropyl) phthalate (mCPP)	<DL		(<31.00)	ug/gCR
● Mono-ethyl phthalate (MEtP)	2.43		(<100.00)	ug/gCR
● Mono-2-ethylhexyl phthalate (MEHP)	<DL		(<11.00)	ug/gCR
● Mono-(2-ethy-5-hydroxyhexyl) phthalate (MEHHP)	5.17		(<12.00)	ug/gCR
● Mono-(2-ethy-5-oxohexyl) phthalate (MEOHP)	14.86		(<27.00)	ug/gCR
● Mono-n-octyl phthalate (mOP)	<DL		(<2.00)	ug/gCR
● Phthalic Acid	< 5.00		(<170.00)	ug/gCR
● Quinolinic Acid	4.85		(<9.10)	mmol/molCR

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VOLATILE ORGANIC COMPOUNDS

TEST	RESULT	H/L	REFERENCE	UNITS
● 2-hydroxyethyl-mercapturic acid (HEMA)	<DL		(<5.00)	ug/gCR
● Mandelic Acid	54.7		(<340.0)	ug/gCR
● Phenylglyoxylic Acid	114.2		(<300.0)	ug/gCR
● Mandelic Acid + Phenylglyoxylic Acid	168.9		(<610.0)	ug/gCR

BENZENES EXPOSURE

TEST	RESULT	H/L	REFERENCE	UNITS
● t,t-Muconic Acid	0.03		(<0.12)	mmol/molCR
● 3,4-Dimethylhippuric Acid	< 0.01		(<0.01)	mmol/molCR

TOLUENES EXPOSURE

TEST	RESULT	H/L	REFERENCE	UNITS
● Benzoic Acid	< 0.50		(<9.30)	mmol/molCR
● Hippuric Acid	48.1		(<603.0)	mmol/molCR

XYLENES EXPOSURE

TEST	RESULT	H/L	REFERENCE	UNITS
● 2-Methylhippuric Acid	0.01		(<0.04)	mmol/molCR
● 3-Methylhippuric Acid	0.01		(<0.11)	mmol/molCR

TEST	RESULT	H/L	REFERENCE	UNITS
● Creatinine, Urine	20.30	H	(2.47-19.20)	mmol/L

Environmental Toxins Comment

ENVIRONMENTAL POLLUTANTS PROFILE:

The reported markers in the Environmental Pollutants Profile commonly originate from industrial/manufacturing products or their associated byproducts. Exposures are often occupationally-related and typically through either inhalation or topical exposure.

Metabolism of these products occurs via the liver detoxification pathways leading to excretion into the urine. Chronic exposures may also lead to build up of these products in fatty tissue deposits.

Methodology

Liquid Chromatography-Mass Spectrometry (LC-MS/MS/MS), Automated Chemistry/Immunochemistry