

ANALYTICAL REPORT

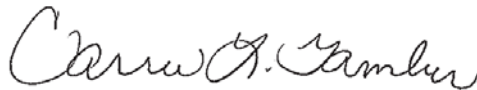
Job Number: 180-60202-1

Job Description: Harley Davidson

For:

Groundwater Sciences Corporation
2601 Market Place Street, Suite 310
Harrisburg, PA 17110-9307

Attention: Allan Miller



Approved for release.
Carrie L. Gamber
Senior Project Manager
11/2/2016 1:13 PM

Carrie L Gamber, Senior Project Manager
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2428
carrie.gamber@testamericainc.com
11/02/2016

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TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238
Tel (412) 963-7058 Fax (412) 963-2468 www.testamericainc.com



Definitions/Glossary

Client: Groundwater Sciences Corporation
Project/Site: Harley Davidson

TestAmerica Job ID: 180-60202-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
^c	CCV Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Groundwater Sciences Corporation
 Project/Site: Harley Davidson

TestAmerica Job ID: 180-60202-1

Method: 8260C - Volatile Organic Compounds (GC/MS)

Client Sample ID: HD-CW-13-0/1-0

Date Collected: 10/26/16 06:55

Date Received: 10/27/16 09:00

Lab Sample ID: 180-60202-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	20	U	20	4.6	ug/L			10/31/16 20:34	20
Vinyl chloride	20	U	20	6.3	ug/L			10/31/16 20:34	20
Bromomethane	20	U	20	7.2	ug/L			10/31/16 20:34	20
Chloroethane	20	U	20	5.2	ug/L			10/31/16 20:34	20
1,1-Dichloroethene	9.3	J	20	5.7	ug/L			10/31/16 20:34	20
Acetone	100	U	100	50	ug/L			10/31/16 20:34	20
Carbon disulfide	20	U	20	3.7	ug/L			10/31/16 20:34	20
Methylene Chloride	20	U	20	7.2	ug/L			10/31/16 20:34	20
trans-1,2-Dichloroethene	20	U	20	5.7	ug/L			10/31/16 20:34	20
Methyl tert-butyl ether	20	U	20	4.9	ug/L			10/31/16 20:34	20
1,1-Dichloroethane	5.5	J	20	4.7	ug/L			10/31/16 20:34	20
cis-1,2-Dichloroethene	320		20	5.7	ug/L			10/31/16 20:34	20
Bromochloromethane	20	U	20	7.5	ug/L			10/31/16 20:34	20
2-Butanone (MEK)	100	U	100	23	ug/L			10/31/16 20:34	20
Chloroform	20	U	20	5.5	ug/L			10/31/16 20:34	20
1,1,1-Trichloroethane	17	J	20	4.4	ug/L			10/31/16 20:34	20
Carbon tetrachloride	20	U	20	4.9	ug/L			10/31/16 20:34	20
Benzene	20	U	20	5.1	ug/L			10/31/16 20:34	20
1,2-Dichloroethane	20	U	20	4.9	ug/L			10/31/16 20:34	20
Trichloroethene	160		20	5.2	ug/L			10/31/16 20:34	20
1,2-Dichloropropane	20	U	20	4.5	ug/L			10/31/16 20:34	20
Bromodichloromethane	20	U	20	4.7	ug/L			10/31/16 20:34	20
cis-1,3-Dichloropropene	20	U	20	4.1	ug/L			10/31/16 20:34	20
4-Methyl-2-pentanone (MIBK)	100	U	100	12	ug/L			10/31/16 20:34	20
Toluene	20	U	20	5.6	ug/L			10/31/16 20:34	20
trans-1,3-Dichloropropene	20	U	20	4.8	ug/L			10/31/16 20:34	20
1,1,2-Trichloroethane	20	U	20	7.0	ug/L			10/31/16 20:34	20
Tetrachloroethene	170		20	5.4	ug/L			10/31/16 20:34	20
2-Hexanone	100	U	100	15	ug/L			10/31/16 20:34	20
Dibromochloromethane	20	U	20	7.9	ug/L			10/31/16 20:34	20
1,2-Dibromoethane (EDB)	20	U	20	5.8	ug/L			10/31/16 20:34	20
Chlorobenzene	20	U	20	6.3	ug/L			10/31/16 20:34	20
1,1,1,2-Tetrachloroethane	20	U	20	3.9	ug/L			10/31/16 20:34	20
Ethylbenzene	20	U	20	5.5	ug/L			10/31/16 20:34	20
Xylenes, Total	40	U	40	9.7	ug/L			10/31/16 20:34	20
Styrene	20	U	20	5.3	ug/L			10/31/16 20:34	20
Bromoform	20	U	20	5.9	ug/L			10/31/16 20:34	20
1,1,2,2-Tetrachloroethane	20	U	20	6.9	ug/L			10/31/16 20:34	20
Acrylonitrile	400	U	400	55	ug/L			10/31/16 20:34	20
1,4-Dioxane	4000	U ^c	4000	150	ug/L			10/31/16 20:34	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		72 - 134		10/31/16 20:34	20
Toluene-d8 (Surr)	99		80 - 120		10/31/16 20:34	20
4-Bromofluorobenzene (Surr)	101		72 - 120		10/31/16 20:34	20
Dibromofluoromethane (Surr)	102		77 - 127		10/31/16 20:34	20

Chain of Custody Record