

ANALYTICAL REPORT

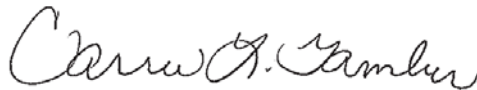
Job Number: 180-60202-1

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
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11/02/2016

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TestAmerica Laboratories, Inc.

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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-15A-0/1-0

Date Collected: 10/26/16 07:00

Date Received: 10/27/16 09:00

Lab Sample ID: 180-60202-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	500	U	500	110	ug/L			10/31/16 20:59	500
Vinyl chloride	500	U	500	160	ug/L			10/31/16 20:59	500
Bromomethane	500	U	500	180	ug/L			10/31/16 20:59	500
Chloroethane	500	U	500	130	ug/L			10/31/16 20:59	500
1,1-Dichloroethene	1800		500	140	ug/L			10/31/16 20:59	500
Acetone	2500	U	2500	1300	ug/L			10/31/16 20:59	500
Carbon disulfide	500	U	500	92	ug/L			10/31/16 20:59	500
Methylene Chloride	500	U	500	180	ug/L			10/31/16 20:59	500
trans-1,2-Dichloroethene	500	U	500	140	ug/L			10/31/16 20:59	500
Methyl tert-butyl ether	500	U	500	120	ug/L			10/31/16 20:59	500
1,1-Dichloroethane	170	J	500	120	ug/L			10/31/16 20:59	500
cis-1,2-Dichloroethene	8600		500	140	ug/L			10/31/16 20:59	500
Bromochloromethane	500	U	500	190	ug/L			10/31/16 20:59	500
2-Butanone (MEK)	2500	U	2500	580	ug/L			10/31/16 20:59	500
Chloroform	500	U	500	140	ug/L			10/31/16 20:59	500
1,1,1-Trichloroethane	9400		500	110	ug/L			10/31/16 20:59	500
Carbon tetrachloride	500	U	500	120	ug/L			10/31/16 20:59	500
Benzene	500	U	500	130	ug/L			10/31/16 20:59	500
1,2-Dichloroethane	500	U	500	120	ug/L			10/31/16 20:59	500
Trichloroethene	5200		500	130	ug/L			10/31/16 20:59	500
1,2-Dichloropropane	500	U	500	110	ug/L			10/31/16 20:59	500
Bromodichloromethane	500	U	500	120	ug/L			10/31/16 20:59	500
cis-1,3-Dichloropropene	500	U	500	100	ug/L			10/31/16 20:59	500
4-Methyl-2-pentanone (MIBK)	2500	U	2500	300	ug/L			10/31/16 20:59	500
Toluene	500	U	500	140	ug/L			10/31/16 20:59	500
trans-1,3-Dichloropropene	500	U	500	120	ug/L			10/31/16 20:59	500
1,1,2-Trichloroethane	500	U	500	170	ug/L			10/31/16 20:59	500
Tetrachloroethene	1600		500	130	ug/L			10/31/16 20:59	500
2-Hexanone	2500	U	2500	370	ug/L			10/31/16 20:59	500
Dibromochloromethane	500	U	500	200	ug/L			10/31/16 20:59	500
1,2-Dibromoethane (EDB)	500	U	500	140	ug/L			10/31/16 20:59	500
Chlorobenzene	500	U	500	160	ug/L			10/31/16 20:59	500
1,1,1,2-Tetrachloroethane	500	U	500	98	ug/L			10/31/16 20:59	500
Ethylbenzene	500	U	500	140	ug/L			10/31/16 20:59	500
Xylenes, Total	1000	U	1000	240	ug/L			10/31/16 20:59	500
Styrene	500	U	500	130	ug/L			10/31/16 20:59	500
Bromoform	500	U	500	150	ug/L			10/31/16 20:59	500
1,1,2,2-Tetrachloroethane	500	U	500	170	ug/L			10/31/16 20:59	500
Acrylonitrile	10000	U	10000	1400	ug/L			10/31/16 20:59	500
1,4-Dioxane	100000	U ^c	100000	3700	ug/L			10/31/16 20:59	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		72 - 134		10/31/16 20:59	500
Toluene-d8 (Surr)	100		80 - 120		10/31/16 20:59	500
4-Bromofluorobenzene (Surr)	102		72 - 120		10/31/16 20:59	500
Dibromofluoromethane (Surr)	102		77 - 127		10/31/16 20:59	500

Client Sample Results

Client: Groundwater Sciences Corporation
 Project/Site: Harley Davidson

TestAmerica Job ID: 180-60202-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Client Sample ID: HD-CW-15A-0/1-0

Date Collected: 10/26/16 07:00

Date Received: 10/27/16 09:00

Lab Sample ID: 180-60202-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	120		19	0.50	ug/L		10/28/16 07:25	10/31/16 16:01	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	36		24 - 100				10/28/16 07:25	10/31/16 16:01	10
2-Fluorophenol (Surr)	38		20 - 100				10/28/16 07:25	10/31/16 16:01	10
2,4,6-Tribromophenol (Surr)	56		22 - 118				10/28/16 07:25	10/31/16 16:01	10
Nitrobenzene-d5 (Surr)	41		25 - 105				10/28/16 07:25	10/31/16 16:01	10
Phenol-d5 (Surr)	45		21 - 100				10/28/16 07:25	10/31/16 16:01	10
Terphenyl-d14 (Surr)	62		20 - 124				10/28/16 07:25	10/31/16 16:01	10

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Client Contact
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Phone (717) 901-8180
FAX (717) 657-1611

Project Name: 2016 Comprehensive Event
Site: Harley-Davidson, York, PA
Quote # 18000557

Chain of Custody Record

TestAmerica
THE ESSENTIALS OF ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

COC No: TAP2016102602

Date Submitted: 10/26/16

Carrier: FEDEX

Job No. 1001230

Container No. 1

SDG No.

Sample Specific Notes:

Site Contact: Jennifer Hesse 400

Lab Contact: Carrie Gamber

Analysis Turnaround Time

Calendar (C) or Work Days (W)

FAI (if different from below - Standard)

- 2 weeks
- 1 week
- 5 days
- 1 day

Select List Total Metals by ICP MS (SV846 6020/SV846 7470A)

Select List Dissolved Metals by ICP MS (SV846 6020/SV846 7470A)

1,4-Dioxane (SV846 8270D LL)

VOCs (8260C)

X

X

X

X

X

Number of Containers

3 1 1 2

Field Filter

N N Y N

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Unpreserved 7=Zinc Acetate & NaOH

2 1 1 1

Return To Client

Disposal By Lab

Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification

Non-Hazardous

Flammable

Skin Irritant

Poison B

Unknown

Special Instructions/QC Requirements & Comments: CLP Like Deliverables

Relinquished by (Print and Sign):

Emb Wade *Sign*

Relinquished by:

Company: GSC Leidos

Relinquished by:

Company: GSC

Relinquished by:

Company: GSC

Received by:

Signature

Received by:

Signature

Received by:

Signature

Company: GSC

Company: GSC

Company: GSC

Date/Time: 10/26/16 1300

Date/Time: 10/27/16 9:00

Date/Time: 10/27/16 9:00