

ANALYTICAL REPORT

Job Number: 180-59429-1

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 10/17/2016 7:50 AM

Carrie L Gamber, Senior Project Manager 301 Alpha Drive, Pittsburgh, PA, 15238 (412)963-2428

Drw G. Samly

carrie.gamber@testamericainc.com 10/17/2016

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Definitions/Glossary

Client: Groundwater Sciences Corporation

Project/Site: Harley Davidson

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.
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.
Matala	

Metals

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

TEQ

Toxicity Equivalent Quotient (Dioxin)

Abbreviation	These commonly used abbreviations may or may not be present in this report.							
¤	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)							

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Client Sample Results

Client: Groundwater Sciences Corporation

Project/Site: Harley Davidson

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

Client Sample ID: HD-MW-152(23-23.5)-0/1-0	Lab Sample ID: 180-59429-7
Date Collected: 10/04/16 13:27	Matrix: Water

Date Received: 10/05/16 08:40 Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U ^c	1.0		ug/L			10/11/16 17:50	1
Vinyl chloride	1.0	U ^c *	1.0		ug/L			10/11/16 17:50	1
Bromomethane	1.0	U	1.0	0.36	ug/L			10/11/16 17:50	1
Chloroethane	1.0	U ^c	1.0	0.26	ug/L			10/11/16 17:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/11/16 17:50	1
Acetone	5.0	U ^c	5.0	2.5	ug/L			10/11/16 17:50	1
Carbon disulfide	1.0	U	1.0	0.18	ug/L			10/11/16 17:50	1
Methylene Chloride	1.0	U	1.0	0.36	ug/L			10/11/16 17:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/11/16 17:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.24	ug/L			10/11/16 17:50	1
1,1-Dichloroethane	1.0	U	1.0	0.24	ug/L			10/11/16 17:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/11/16 17:50	1
Bromochloromethane	1.0	U	1.0	0.38	ug/L			10/11/16 17:50	1
2-Butanone (MEK)	5.0	U ^c	5.0	1.2	ug/L			10/11/16 17:50	1
Chloroform	1.0	U	1.0	0.27	ug/L			10/11/16 17:50	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			10/11/16 17:50	1
Carbon tetrachloride	1.0	U	1.0	0.24	ug/L			10/11/16 17:50	1
Benzene	1.0	U	1.0	0.26	ug/L			10/11/16 17:50	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			10/11/16 17:50	1
Trichloroethene	1.0	U	1.0	0.26	ug/L			10/11/16 17:50	1
1,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			10/11/16 17:50	1
Bromodichloromethane	1.0	U	1.0	0.23	ug/L			10/11/16 17:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			10/11/16 17:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.59	ug/L			10/11/16 17:50	1
Toluene	1.0	U	1.0	0.28	ug/L			10/11/16 17:50	1
trans-1,3-Dichloropropene	1.0	U ^c	1.0		ug/L			10/11/16 17:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.35	ug/L			10/11/16 17:50	1
Tetrachloroethene	1.0	U	1.0	0.27	ug/L			10/11/16 17:50	1
2-Hexanone	5.0	U	5.0	0.74	ug/L			10/11/16 17:50	1
Dibromochloromethane	1.0	U	1.0	0.40	ug/L			10/11/16 17:50	1
1,2-Dibromoethane (EDB)	1.0	U	1.0	0.29	ug/L			10/11/16 17:50	1
Chlorobenzene	1.0	U	1.0	0.31	ug/L			10/11/16 17:50	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.20	ug/L			10/11/16 17:50	1
Ethylbenzene	1.0	U	1.0		ug/L			10/11/16 17:50	1
Xylenes, Total	2.0	U	2.0		ug/L			10/11/16 17:50	1
Styrene	1.0	U	1.0		ug/L			10/11/16 17:50	1
Bromoform	1.0	U	1.0		ug/L			10/11/16 17:50	1
1,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			10/11/16 17:50	1
Acrylonitrile	20	U	20		ug/L			10/11/16 17:50	1
1,4-Dioxane	200	U	200		ug/L			10/11/16 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		72 - 134			-		10/11/16 17:50	1

Surrogate	%Recovery Qua	alifier Limits	Prepared Analyz	ea DIIFac
1,2-Dichloroethane-d4 (Surr)	120	72 - 134	10/11/16	17:50 1
Toluene-d8 (Surr)	100	80 - 120	10/11/16	17:50 1
4-Bromofluorobenzene (Surr)	107	72 - 120	10/11/16	17:50 1
Dibromofluoromethane (Surr)	108	77 - 127	10/11/16	17:50 1

TestAmerica Laboratories, Inc. COC No. TAP2016 1004 **TestAmerica** Job No. 10012.30 of 1 Container No. Date/Time: SDG No. Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) 180-59429 Chain of Custody 91/4/01 FEDEX e For DateSubmitted: Company: Carrier: Disposal By Lab Chain of Custody Record Site Contact: Jennifer S. Reese Lab Contact: Carrie Gamber Return To Client Received Ky × (J.J. 00728 348W2) anexoid-4,1 Received by: Select List Dissolved Meials by ICP MS (SW846 6020/SW846 7470A) (VOLFL 9F8MS/0709 9F8MS) X × Z Select List Total Metals by ICP MS × Number of Containers 3 Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Unpreserved 7=Zinc Acetate & NaOH 2 Field Filter N AOC* (8500C) 0/4/16 1630 # of Cont. 3 5 3 Date/Time: Sample Type Matrix TAT if different from Below: Standard 3 3 3 3 3 Analysis Turnaround Time Project Manager: Christopher D. O'neil Tel/Fax: 717-901-8176 / (717) 657-1611 Calendar (C) or Work Days (W) Troblagh 3 3 39 3 3 3 30 2 weeks 5 days I week I day Special Instructions/QC Requirements & Comments: CLP Like Deliverables Oh: 110 1340 DALLE BOARD Olylic NUZO 13/4116 1132 Sample 1014 16 1327 013/16 1502 DS11 91/4101 Time 0/3/16/15/5 10/1/10 1200 Company: GSC Sample Company: Company: Skin Irritam 0-1/0-(881-5-181)-0/1-0 2016 Comprehensive Event 0-1/0-(5:22-23,51-WM-0HB 0-1/0-040-041-0 HB KBF Sample Identification 40-FOLK (R.W.4)-0/1-0 Harley-Davidson, York PA Phone 40-MM-14-01-40 40-RW-2-0/1-0 shone 412.963,7058 fax 412,963,2470 Groundwater Sciences Corporation Client Contact 0-1/0-1-70-0H 2601 Market Place St. Suite 310 TestAmerica Pittsburgh Possible Hazard Identification HO-RW-5-0 Harrisburg, PA 17110 Pittsburgh, PA 15238 Quote # 18000557 717) 901-8180 Project Name 301 Alpha Drive 717) 657-1611 Relinquished by: Site