

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

Brw G. Samly

carrie.gamber@testamericainc.com 11/02/2016

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Definitions/Glossary

Client: Groundwater Sciences Corporation

Project/Site: Harley Davidson

Qualifiers

GC/MS VOA

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.

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)

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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-CW-20-0/ Date Collected: 10/26/16 06:50	•						Lab Sample ID: 180-60202-8 Matrix: Water		
Date Received: 10/27/16 09:00									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Chloromethane	50		50		ug/L			10/31/16 20:10	5
Vinyl chloride	50		50		ug/L			10/31/16 20:10	5
Bromomethane	50	U	50	18	ug/L			10/31/16 20:10	5
Chloroethane	50	U	50	13	ug/L			10/31/16 20:10	5
1,1-Dichloroethene	14	J	50	14	ug/L			10/31/16 20:10	5
Acetone	250	U	250	130	ug/L			10/31/16 20:10	5
Carbon disulfide	50	U	50	9.2	ug/L			10/31/16 20:10	5
Methylene Chloride	50	U	50	18	ug/L			10/31/16 20:10	5
trans-1,2-Dichloroethene	50	U	50	14	ug/L			10/31/16 20:10	5
Methyl tert-butyl ether	50	U	50	12	ug/L			10/31/16 20:10	5
1,1-Dichloroethane	13	J	50		ug/L			10/31/16 20:10	5
cis-1,2-Dichloroethene	170		50		ug/L			10/31/16 20:10	5
Bromochloromethane	50	U	50		ug/L			10/31/16 20:10	
2-Butanone (MEK)	250		250		ug/L			10/31/16 20:10	5
Chloroform	50		50		ug/L			10/31/16 20:10	5
1,1,1-Trichloroethane	71		50		ug/L			10/31/16 20:10	5
Carbon tetrachloride	50	11	50		ug/L			10/31/16 20:10	5
Benzene	50		50		ug/L			10/31/16 20:10	5
	50								
1,2-Dichloroethane		U	50		ug/L			10/31/16 20:10	5
Trichloroethene	570		50		ug/L			10/31/16 20:10	5
1,2-Dichloropropane	50		50		ug/L			10/31/16 20:10	
Bromodichloromethane	50		50		ug/L			10/31/16 20:10	5
cis-1,3-Dichloropropene	50		50		ug/L			10/31/16 20:10	5
4-Methyl-2-pentanone (MIBK)	250		250		ug/L			10/31/16 20:10	
Toluene	50		50		ug/L			10/31/16 20:10	5
trans-1,3-Dichloropropene	50		50	12	ug/L			10/31/16 20:10	5
1,1,2-Trichloroethane	50	U	50	17	ug/L			10/31/16 20:10	5
Tetrachloroethene	1400		50	13	ug/L			10/31/16 20:10	5
2-Hexanone	250	U	250	37	ug/L			10/31/16 20:10	5
Dibromochloromethane	50	U	50	20	ug/L			10/31/16 20:10	5
1,2-Dibromoethane (EDB)	50	U	50	14	ug/L			10/31/16 20:10	5
Chlorobenzene	50	U	50	16	ug/L			10/31/16 20:10	5
1,1,1,2-Tetrachloroethane	50	U	50	9.8	ug/L			10/31/16 20:10	5
Ethylbenzene	50	U	50	14	ug/L			10/31/16 20:10	5
Xylenes, Total	100	U	100		ug/L			10/31/16 20:10	5
Styrene	50		50		ug/L			10/31/16 20:10	5
Bromoform	50		50		ug/L			10/31/16 20:10	5
1,1,2,2-Tetrachloroethane	50		50		ug/L			10/31/16 20:10	5
Acrylonitrile	1000		1000		ug/L			10/31/16 20:10	5
1,4-Dioxane	10000		10000		ug/L			10/31/16 20:10	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	98		72 - 134			-	<u>-</u>	10/31/16 20:10	
Toluene-d8 (Surr)	100		80 - 120					10/31/16 20:10	
4-Bromofluorobenzene (Surr)	104		72 - 120					10/31/16 20:10	5
Dibromofluoromethane (Surr)	106		77 - 127					10/31/16 20:10	

COC No: TAP201610200 TestAmerica Laboratories, Inc. Sample Specific Notes: **TestAmerica** COCs Job No. 10012.30 Date Time (0) 20 /16 Container No. Jo Z SDG No Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Wild Company A & DateSubmitted: (Ol 16/16 FEDEX 636 e For Company: Carrier: 181 Disposal By Lab Chain of Custody Record 000 Site Contact: Jennifer S. Reese Lab Contact: Carrie Gamber Return To Client Z -(J.1 G0728 848 8270D LL) Received by (V02+2 9+8MS/0709 9+8MS) SIA Select List Dissolved Metals by ICP Select List Total Metals by ICP MS (SW846 6020/SW846 7470A) Field Filter N N Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Unpreserved 7=Zinc Acetate & NaOH 2 Number of Containers 3 AOC2 (8700C) × × > 00 126/16 1300 # of Cont. 0 Sample Type Matrix Chembern 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) Trip Blank 3 3 2 weeks l week 5 days 3 Veb I 3 Special Instructions/QC Requirements & Comments: CLP Like Deliverables Company: GSC Leichos Sample 0150 91/27/01 Time OCTO 3/125/01 10/24/16 0745 10/26/16 10-15 10 126/16 1200 Sample Company Company Date Skin Irritani 2016 Comprehensive Event Sample Identification Harley-Davidson, York PA Phone Flammable 0-44 # 003 CWTS phone 412.963,7058 fax 412.963.2470 Groundwater Sciences Corporation Client Contact 8-110-878-0HPage TestAmerica Pittsburgh 2601 Market Place St. Suite 310 0-110-5-W-0-0H Possible Hazard Identification HD- CW-4-0/1-0 inquished by (Print and Sign Harrisburg, PA 17110 Pirtsburgh, PA 15238 Quote # 18000557 Non-Hazard Project Name (717) 901-8180 (717) 657-1611 Relinquished by: 301 Alpha Drive Cmily Site 670 of 672