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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

ilac-MRA

ACLASS ACCREDITED TESTING
AT-1807

Laboratory Report

for

Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113
Attention: Danielle Rice

Date of Issue
05/07/2015

EUROFINS EATON ANALYTICAL

CPP: Cam P Pham

Project Manager

Report: 526305
Project: CARROLL-MONROVIA
Group: QUARTERLY SAMPLING

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

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STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nebraska**	Certified
Arkansas	Certified	**Nevada**	CA00006-2014-1
California-Monrovia-ELAP	2813	**New Hampshire ***	2959
California-Colton- ELAP	2812	**New Jersey ***	CA 008
California-Folsom- ELAP	2820	**New Mexico**	Certified
Colorado	Certified	**New York ***	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida *	E871024	**Oregon (Primary AB) ***	**ORELAP 4034**
Georgia	947	**Pennsylvania ***	68-565
Guam	14-003r	**Rhode Island**	LAO00326
Hawaii	Certified	**South Carolina**	87016
Idaho	Certified	**South Dakota**	Certified
Illinois *	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas ***	T104704230-14-7
Kansas *	E-10268	**Utah ***	CA000062014-7
Kentucky	90107	**Vermont**	VT0114
Louisiana *	LA140009	**Virginia ***	460260
Maine	CA0006	**Washington**	C838
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified
Los Angeles County Sanitation Districts	10264		

* NELAP/TNI Recognized Accreditation Bodies

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ACLASS.
Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Drinking Water	Food & Beverage	Waste Water
1,4-Dioxane	EPA 522	x	x	
2,3,7,8-TCDD	Modified EPA 1613B	x	x	
Acrylamide	In House Method	x	x	
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H (18th)		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x	x	
Asbestos	EPA 100.2	x		
Bicarbonate Alkalinity as HCO3	SM 2330B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method	x	x	
Carbamates	EPA 531.2	x	x	
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x	x	
COD	EPA 410.4 / SM 5220D			x
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x	x	
Chlorinated Acids	EPA 555	x	x	
Chlorine Dioxide	SM 4500-CLO2 D	x	x	
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1			x
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x	x	
Cyanide, Amenable	SM 4500-CN G	x		x
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method	x	x	
Diquat and Paraquat	EPA 549.2	x	x	
DBP/HAA	SM 6251B	x	x	
Dissolved Oxygen	SM 4500-O G		x	x
E. Coli	(MTF/EC+MUG)	x		
E. Coli	CFR 141.21(f)(6)(i)		x	x
E. Coli	SM 9223			x
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x	x	
E. Coli (Enumeration)	SM 9223B	x	x	
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x	x	
EDTA and NTA	In House Method	x	x	
Endothall	EPA 548.1	x	x	
Enterococci	SM 9230B	x		x
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)			x
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x	x	
Fecal Coliform with Chlorine Present	SM 9221E			x
Fecal Streptococci	SM 9230B	x		x
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x	x	
Gross Alpha/Beta	EPA 900.0	x	x	x
HAAs/ Dalapon	EPA 552.3	x	x	
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method	x	x	
Heterotrophic Bacteria	SM 9215 B	x	x	
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x	x	
Hexavalent Chromium	SM 3500-Cr B or C (20th)			x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Drinking Water	Food & Beverage	Waste Water
Hormones	EPA 539	x	x	
Hydroxide as OH Calc.	SM 2330B	x	x	
Kjeldahl Nitrogen	EPA 351.2			x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA	x	x	
NDMA	EPA 521	x	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x	x	
Ortho Phosphate	EPA 365.1	x	x	
Ortho Phosphate and Total Phosphorous	EPA 365.1/SM 4500-P E			x
Ortho Phosphorous	SM 4500P E	x	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	x	
Perchlorate	EPA 331.0	x	x	
Perchlorate	EPA 314.0	x	x	
Perfluorinated Alkyl Acids	EPA 537	x	x	
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method	x	x	
Pseudomonas	IDEXX Pseudalert	x	x	
Radium-226	RA-226 GA	x	x	
Radium-228	RA-228 GA	x	x	
Radon-222	SM 7500RN	x	x	
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D			x
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4			x
Semi-VOC	EPA 525.2	x	x	
Semi-VOC	EPA 625	x	x	x
Silica	SM 4500-Si D	x	x	x
Silica	SM 4500-SiO2 C	x		x
Sulfide	SM 4500-$S^{=}$ D			x
Sulfite	SM 4500-SO^3B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x	x	
Total Coliform	SM 9221 A, B	x	x	
Total Coliform (Enumeration)	SM 9221 A, B, C	x	x	
Total Coliform / E. coli	Colisure	x	x	
Total Coliform	SM 9221B			x
Total Coliform with Chlorine Present	SM 9221B			x
Total Coliform / E.coli	SM 9223	x	x	
TOC	SM 5310C		x	x
TOC/DOC	SM 5310C	x	x	
TOX	SM 5320B			x
Total Phenols	EPA 420.1			x
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P F			x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x		x
Uranium by ICP/MS	EPA 200.8	x	x	
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x	x	
VOC	EPA 624	x	x	x
VOC	EPA SW 846 8260	x	x	
VOC	In House Method	x	x	
Yeast and Mold	SM 9610	x	x	

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Acknowledgement of Samples Received

Addr: **Groundwater & Environmental Services, Inc.**
1350 Blair Drive
Suite A
Odenton, MD 21113

Client ID: GWENVSERVICE-MD
Folder #: 526305
Project: CARROLL-MONROVIA
Sample Group: QUARTERLY SAMPLING

Attn: Danielle Rice
Phone: 800-220-3606

Project Manager: Cam P Pham
Phone: (909) 254-0381

The following samples were received from you on **April 17, 2015** at **1116**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201503230110	GVP-POU	04/16/2015 1115
	218.7 Hexavalent Chromium (Dissolved) / Chromium dissolved ICAP/MS / Chromium Total ICAP/MS / Lead dissolved ICAP/MS / Lead Total ICAP/MS	
201503230115	GVP-FR941233	04/16/2015 1210
	218.7 Hexavalent Chromium (Dissolved) / Chromium dissolved ICAP/MS / Chromium Total ICAP/MS / Lead dissolved ICAP/MS / Lead Total ICAP/MS	
201503230113	GVP-FR815955	04/16/2015 1215
	218.7 Hexavalent Chromium (Dissolved) / Chromium dissolved ICAP/MS / Chromium Total ICAP/MS / Lead dissolved ICAP/MS / Lead Total ICAP/MS	

Test Description

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (626) 386-1101 http://www.EatonAnalytical.com

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CHAIN OF CUSTODY RECORD

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: 2.8-.3=2.5 #4460A

SAMPLES CHECKED AGAINST COC BY: (a)

SAMPLES LOGGED IN BY: ✓

SAMPLES REC'D DAY OF COLLECTION? [✓] (check for yes)

SAMPLE TEMP RECEIVED AT:

[ ] Colton / No. California / Arizona _____ °C (Compliance: 4 ± 2 °C)

[X] Monrovia 2.5 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen _____ Partially Frozen _____ Thawed _____ Wet Ice ✓ No Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: GES - 1350 Blair Drive Odenton Md. 21113 1800 220-3606 ext. 3717

PROJECT CODE: Carroll Fuel - Monrovia 04-02888-06-209

COMPLIANCE SAMPLES [ ] (check for yes)
- Requires state forms [ ]

NON-COMPLIANCE SAMPLES [ ] (check for yes)
REGULATION INVOLVED: _____

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)

EEA CLIENT CODE: | COC ID: | SAMPLE GROUP:

SEE ATTACHED BOTTLE ORDER FOR ANALYSES [ ] (check for yes), OR

list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only STD ✓ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	Hexavalent Chromium (218.7)		Dissolved LEAD + Chromium (200.8)			Total LEAD + Chromium (200.8)									SAMPLER COMMENTS
4-16-15	1115	GUP-POU		FW			X		X			X									*Dissolved LEAD
4-16-15	1210	GUP-FR941233		RGW			X		X			X									and Chromium
4-16-15	1215	GUP-FR815955		RGW			X		X			X									have been
																					field filtered!

RK# 7733 8891 2282
0201

* MATRIX TYPES: RSW = Raw Surface Water; RGW = Raw Ground Water; CFW = Chlor(am)inated Finished Water; FW = Other Finished Water; SEAW = Sea Water; WW = Waste Water; BW = Bottled Water; SW = Storm Water; SO = Soil; SL = Sludge; O = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	Jeff Plummer	Jeff Plummer	GES / SR. REMEDIATION TECH	4-16-15	1555
RELINQUISHED BY:	(a) 11:16				
RECEIVED BY:	APR 17 2015				
RELINQUISHED BY:					
RECEIVED BY:	Michael Uribe Eurofins Eaton Analytical				

QA FO 0029 (06/26/2013)

Email results to mdlabs@gesonline.com
email EQEDD package to ges@equisonline.com - File Name: Carroll Monrovia - Lab report number 17953.EQEDD.zip

PAGE 1 OF 1

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formerly MWH Laboratories

750 Royal Oaks Drive, Suite 100
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(626) 386-1100 FAX (626) 386-1101

Kit Order for Groundwater & Environmental Services, Inc.

Cam P Pham is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 109119
Created By: PRC
Deliver By: 03/30/2015
STG: Bottle Orders
Ice Type: W
Pre Registerd

Client ID: GWENVSERVICE-MD
Project Code: CARROLL-MONROVIA Bottle Orders
Group Name: QUARTERLY SAMPLING
PO#/JOB#:

Ship Sample Kits to
Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113

Attn: Danielle Rice
Phone: 800-220-3606

Send Report to
Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113

Attn: Danielle Rice
Phone: 800-220-3606

Billing Address
Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113

Attn: Gregory Reichart
Phone: 800-220-3606

# of Sample	Tests	Bottles - Qty for each sample, type & preservative if a	UN DOT #
9	218.7 Hexavalent Chromium (Dissolved)	1 125ml poly 1.25 ml NH4SO4/NH4OH buffer	
9	Chromium dissolved ICAP/MS	1 500ml poly no preservative	
9	Chromium Total ICAP/MS, Lead Total ICAP/MS	1 500ml acid poly 2ml HNO3 (18%)	UN2031
9	Lead dissolved ICAP/MS	1 500ml poly no preservative	

Comments

SHIPPING - PLEASE INCLUDE 2 COCs. PLEASE INCLUDE PRE-PAID SHIPPING LABEL.

NEEDED BY 03/30/15.

PLEASE MARK COOLERS 'CARROLL MONROVIA'.

field filtering, send preserved bottles:
- Dissolved Chromium(200.8)
- Dissolved Lead(200.8)

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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1 800 566 LABS (1 800 566 5227)

Laboratory Comments
Report: 526305

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

The Comments Report may be blank if there are no comments for this report.

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Laboratory Hits
Report: 526305

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

Samples Received on:
04/17/2015 1116

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201503230113	**GVP-FR815955**				
05/04/2015 10:39	Chromium dissolved ICAP/MS		12		ug/L	1
05/04/2015 10:55	Chromium Total ICAP/MS		11	100	ug/L	1
04/22/2015 09:55	Hexavalent Chromium (Dissolved)		2.4		ug/L	0.03
05/04/2015 10:39	Lead dissolved ICAP/MS		0.67		ug/L	0.5
05/04/2015 10:55	Lead Total ICAP/MS		16	15	ug/L	0.5
	201503230115	**GVP-FR941233**				
04/27/2015 21:21	Chromium dissolved ICAP/MS		3.7		ug/L	1
04/22/2015 22:14	Chromium Total ICAP/MS		3.5	100	ug/L	1
04/22/2015 10:05	Hexavalent Chromium (Dissolved)		3.6		ug/L	0.03
04/27/2015 21:21	Lead dissolved ICAP/MS		0.74		ug/L	0.5
04/22/2015 22:14	Lead Total ICAP/MS		1.4	15	ug/L	0.5

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 526305

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

Samples Received on:
04/17/2015 1116

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
GVP-POU (201503230110)						**Sampled on 04/16/2015 1115**		
		EPA 200.8 - ICPMS Metals						
4/20/2015	04/29/2015 10:48	835372	(EPA 200.8)	Chromium dissolved ICAP/MS	ND	ug/L	1	1
4/20/2015	04/22/2015 21:57	833917	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
4/20/2015	04/29/2015 10:48	835372	(EPA 200.8)	Lead dissolved ICAP/MS	ND	ug/L	0.5	1
4/20/2015	04/22/2015 21:57	833917	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
	EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/22/2015 09:45	834392	(EPA 218.7)	Hexavalent Chromium (Dissolved)	ND	ug/L	0.03	1
GVP-FR815955 (201503230113)						**Sampled on 04/16/2015 1215**		
		EPA 200.8 - ICPMS Metals						
4/20/2015	05/04/2015 10:39	836245	(EPA 200.8)	Chromium dissolved ICAP/MS	12	ug/L	1	1
4/20/2015	05/04/2015 10:55	836245	(EPA 200.8)	Chromium Total ICAP/MS	11	ug/L	1	1
4/20/2015	05/04/2015 10:39	836245	(EPA 200.8)	Lead dissolved ICAP/MS	0.67	ug/L	0.5	1
4/20/2015	05/04/2015 10:55	836245	(EPA 200.8)	Lead Total ICAP/MS	16	ug/L	0.5	1
	EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/22/2015 09:55	834392	(EPA 218.7)	Hexavalent Chromium (Dissolved)	2.4	ug/L	0.03	1
GVP-FR941233 (201503230115)						**Sampled on 04/16/2015 1210**		
		EPA 200.8 - ICPMS Metals						
4/20/2015	04/27/2015 21:21	835032	(EPA 200.8)	Chromium dissolved ICAP/MS	3.7	ug/L	1	1
4/20/2015	04/22/2015 22:14	833917	(EPA 200.8)	Chromium Total ICAP/MS	3.5	ug/L	1	1
4/20/2015	04/27/2015 21:21	835032	(EPA 200.8)	Lead dissolved ICAP/MS	0.74	ug/L	0.5	1
4/20/2015	04/22/2015 22:14	833917	(EPA 200.8)	Lead Total ICAP/MS	1.4	ug/L	0.5	1
	EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/22/2015 10:05	834392	(EPA 218.7)	Hexavalent Chromium (Dissolved)	3.6	ug/L	0.03	1

Rounding on totals after summation.
(c) - indicates calculated results

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Groundwater & Environmental Services, Inc.

QC Ref # 833917 - ICPMS Metals — **Analysis Date: 04/22/2015**

201503230110	GVP-POU	Analyzed by: SXK
201503230115	GVP-FR941233	Analyzed by: SXK

QC Ref # 834392 - UCMR3 Hexavalent Chromium — **Analysis Date: 04/22/2015**

201503230110	GVP-POU	Analyzed by: TLH
201503230113	GVP-FR815955	Analyzed by: TLH
201503230115	GVP-FR941233	Analyzed by: TLH

QC Ref # 835025 - ICPMS Metals — **Analysis Date: 04/27/2015**

201503230113	GVP-FR815955	Analyzed by: SXK

QC Ref # 835032 - ICPMS Metals — **Analysis Date: 04/27/2015**

201503230115	GVP-FR941233	Analyzed by: SXK

QC Ref # 835372 - ICPMS Metals — **Analysis Date: 04/29/2015**

201503230110	GVP-POU	Analyzed by: SXK

QC Ref # 836245 - ICPMS Metals — **Analysis Date: 05/04/2015**

201503230113	GVP-FR815955	Analyzed by: SXK
201503230113	GVP-FR815955	Analyzed by: SXK

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Laboratory QC
Report: 526305

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 833917 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/22/2015**			
LCS1	Chromium Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Chromium Total ICAP/MS		100	106	ug/L	106	(85-115)	20	1.9
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.06	ug/L	106	(50-150)		
MS_201501240404	Chromium Total ICAP/MS	ND	100	110	ug/L	110	(70-130)		
MS2_201501240344	Chromium Total ICAP/MS	ND	100	110	ug/L	110	(70-130)		
MSD_201501240404	Chromium Total ICAP/MS	ND	100	104	ug/L	104	(70-130)	20	5.6
MSD2_201501240344	Chromium Total ICAP/MS	ND	100	115	ug/L	115	(70-130)	20	4.4
LCS1	Lead Total ICAP/MS		20	19.6	ug/L	98	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.7	ug/L	99	(85-115)	20	0.51
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.527	ug/L	105	(50-150)		
MS_201501240404	Lead Total ICAP/MS	ND	20	19.9	ug/L	99	(70-130)		
MS2_201501240344	Lead Total ICAP/MS	ND	20	21.0	ug/L	104	(70-130)		
MSD_201501240404	Lead Total ICAP/MS	ND	20	19.0	ug/L	95	(70-130)	20	4.6
MSD2_201501240344	Lead Total ICAP/MS	ND	20	21.9	ug/L	109	(70-130)	20	4.2
QC Ref# 834392 - UCMR3 Hexavalent Chromium by EPA 218.7						**Analysis Date: 04/22/2015**			
CCCH	Hexavalent Chromium (Dissolved)		20	20.1	ug/L	101	(85-115)		
CCCL	Hexavalent Chromium (Dissolved)		0.02	0.0183	ug/L	92	(50-150)		
CCCM	Hexavalent Chromium (Dissolved)		10	10.0	ug/L	100	(85-115)		
MBLK	Hexavalent Chromium (Dissolved)			<0.01	ug/L				
MS_201504170368	Hexavalent Chromium (Dissolved)	0.48	2	2.58	ug/L	105	(85-115)		
MS2_201504160447	Hexavalent Chromium (Dissolved)	0.11	0.02	0.133	ug/L	101	(50-150)		
MSD_201504170368	Hexavalent Chromium (Dissolved)	0.48	2	2.59	ug/L	105	(85-115)	15	0.39
MSD2_201504160447	Hexavalent Chromium (Dissolved)	0.11	0.02	0.135	ug/L	114	(50-150)	50	1.5
QCS	Hexavalent Chromium (Dissolved)		10	9.93	ug/L	99	(90-110)		
QCSD	Hexavalent Chromium (Dissolved)		10	9.94	ug/L	99	(90-110)	15	0.10
QC Ref# 835025 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/27/2015**			
LCS1	Chromium dissolved ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)	20	5.7
MBLK	Chromium dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Chromium dissolved ICAP/MS		1	1.13	ug/L	113	(50-150)		
MS_201504070070	Chromium dissolved ICAP/MS	ND	100	106	ug/L	106	(70-130)		
MS2_201504200082	Chromium dissolved ICAP/MS	4.8	100	127	ug/L	122	(70-130)		
MSD_201504070070	Chromium dissolved ICAP/MS	ND	100	106	ug/L	106	(70-130)	20	0.0
MSD2_201504200082	Chromium dissolved ICAP/MS	4.8	100	122	ug/L	117	(70-130)	20	4.0

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory QC
Report: 526305

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Chromium Total ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)	20	5.7
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.13	ug/L	113	(50-150)		
MS_201504070070	Chromium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)		
MS2_201504200082	Chromium Total ICAP/MS	4.8	100	127	ug/L	122	(70-130)		
MSD_201504070070	Chromium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)	20	0.0
MSD2_201504200082	Chromium Total ICAP/MS	4.8	100	122	ug/L	117	(70-130)	20	4.0
LCS1	Lead dissolved ICAP/MS		20	19.4	ug/L	97	(85-115)		
LCS2	Lead dissolved ICAP/MS		20	21.2	ug/L	106	(85-115)	20	8.9
MBLK	Lead dissolved ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead dissolved ICAP/MS		0.5	0.587	ug/L	117	(50-150)		
MS_201504070070	Lead dissolved ICAP/MS	ND	20	21.2	ug/L	105	(70-130)		
MS2_201504200082	Lead dissolved ICAP/MS	ND	20	22.5	ug/L	112	(70-130)		
MSD_201504070070	Lead dissolved ICAP/MS	ND	20	21.7	ug/L	108	(70-130)	20	2.3
MSD2_201504200082	Lead dissolved ICAP/MS	ND	20	20.8	ug/L	103	(70-130)	20	7.8
LCS1	Lead Total ICAP/MS		20	19.4	ug/L	97	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	8.9
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.587	ug/L	117	(50-150)		
MS_201504070070	Lead Total ICAP/MS	ND	20	21.2	ug/L	105	(70-130)		
MS2_201504200082	Lead Total ICAP/MS	ND	20	22.5	ug/L	112	(70-130)		
MSD_201504070070	Lead Total ICAP/MS	ND	20	21.7	ug/L	108	(70-130)	20	2.3
MSD2_201504200082	Lead Total ICAP/MS	ND	20	20.8	ug/L	103	(70-130)	20	7.8
QC Ref# 835032 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/27/2015**			
LCS1	Chromium dissolved ICAP/MS		100	107	ug/L	107	(85-115)		
LCS2	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)	20	0.93
MBLK	Chromium dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Chromium dissolved ICAP/MS		1	1.06	ug/L	107	(50-150)		
MS_201504220703	Chromium dissolved ICAP/MS	ND	100	130	ug/L	130	(70-130)		
MS2_201504200080	Chromium dissolved ICAP/MS	ND	100	109	ug/L	109	(70-130)		
MSD_201504220703	Chromium dissolved ICAP/MS	ND	100	112	ug/L	112	(70-130)	20	15
MSD2_201504200080	Chromium dissolved ICAP/MS	ND	100	109	ug/L	109	(70-130)	20	0.0
LCS1	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)	20	0.93
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.06	ug/L	107	(50-150)		
MS_201504220703	Chromium Total ICAP/MS	ND	100	130	ug/L	130	(70-130)		

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 526305

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201504200080	Chromium Total ICAP/MS	ND	100	109	ug/L	109	(70-130)		
MSD_201504220703	Chromium Total ICAP/MS	ND	100	112	ug/L	112	(70-130)	20	15
MSD2_201504200080	Chromium Total ICAP/MS	ND	100	109	ug/L	109	(70-130)	20	0.0
LCS1	Lead dissolved ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Lead dissolved ICAP/MS		20	20.6	ug/L	103	(85-115)	20	0.0
MBLK	Lead dissolved ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead dissolved ICAP/MS		0.5	0.548	ug/L	110	(50-150)		
MS_201504220703	Lead dissolved ICAP/MS	ND	20	21.9	ug/L	109	(70-130)		
MS2_201504200080	Lead dissolved ICAP/MS	ND	20	20.1	ug/L	100	(70-130)		
MSD_201504220703	Lead dissolved ICAP/MS	ND	20	17.3	ug/L	86	(70-130)	20	**24**
MSD2_201504200080	Lead dissolved ICAP/MS	ND	20	19.3	ug/L	97	(70-130)	20	4.1
LCS1	Lead Total ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.6	ug/L	103	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.548	ug/L	110	(50-150)		
MS_201504220703	Lead Total ICAP/MS	ND	20	21.9	ug/L	109	(70-130)		
MS2_201504200080	Lead Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)		
MSD_201504220703	Lead Total ICAP/MS	ND	20	17.3	ug/L	86	(70-130)	20	**24**
MSD2_201504200080	Lead Total ICAP/MS	ND	20	19.3	ug/L	97	(70-130)	20	4.1
QC Ref# 835372 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/29/2015**			
LCS1	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)	20	0.0
MBLK	Chromium dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Chromium dissolved ICAP/MS		1	1.09	ug/L	109	(50-150)		
MS_201504150943	Chromium dissolved ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MS2_201504170228	Chromium dissolved ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MSD_201504150943	Chromium dissolved ICAP/MS	ND	100	111	ug/L	111	(70-130)	20	1.8
MSD2_201504170228	Chromium dissolved ICAP/MS	ND	100	120	ug/L	120	(70-130)	20	6.0
LCS1	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.09	ug/L	109	(50-150)		
MS_201504150943	Chromium Total ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MS_201504150943	Chromium Total ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MS2_201504170228	Chromium Total ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MSD_201504150943	Chromium Total ICAP/MS	ND	100	111	ug/L	111	(70-130)	20	1.8
MSD_201504150943	Chromium Total ICAP/MS	ND	100	111	ug/L	111	(70-130)	20	1.8

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 526305

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201504170228	Chromium Total ICAP/MS	ND	100	120	ug/L	120	(70-130)	20	6.0
LCS1	Lead dissolved ICAP/MS		20	21.6	ug/L	108	(85-115)		
LCS2	Lead dissolved ICAP/MS		20	21.4	ug/L	107	(85-115)	20	0.93
MBLK	Lead dissolved ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead dissolved ICAP/MS		0.5	0.569	ug/L	114	(50-150)		
MS_201504150943	Lead dissolved ICAP/MS	ND	20	22.4	ug/L	112	(70-130)		
MS2_201504170228	Lead dissolved ICAP/MS	0.53	20	23.9	ug/L	117	(70-130)		
MSD_201504150943	Lead dissolved ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	4.1
MSD2_201504170228	Lead dissolved ICAP/MS	0.53	20	24.4	ug/L	119	(70-130)	20	2.1
LCS1	Lead Total ICAP/MS		20	21.6	ug/L	108	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.4	ug/L	107	(85-115)	20	0.93
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.569	ug/L	114	(50-150)		
MS_201504150943	Lead Total ICAP/MS	ND	20	22.4	ug/L	112	(70-130)		
MS_201504150943	Lead Total ICAP/MS	ND	20	22.4	ug/L	112	(70-130)		
MS2_201504170228	Lead Total ICAP/MS	0.53	20	23.9	ug/L	117	(70-130)		
MSD_201504150943	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	4.1
MSD_201504150943	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	4.1
MSD2_201504170228	Lead Total ICAP/MS	0.53	20	24.4	ug/L	119	(70-130)	20	2.1
QC Ref# 836245 - ICPMS Metals by EPA 200.8						**Analysis Date: 05/04/2015**			
LCS1	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)		
LCS2	Chromium Total ICAP/MS		100	105	ug/L	105	(85-115)	20	1.9
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.13	ug/L	113	(50-150)		
MS_201504290166	Chromium Total ICAP/MS	ND	100	109	ug/L	109	(70-130)		
MS2_201504060068	Chromium Total ICAP/MS	ND	100	110	ug/L	110	(70-130)		
MSD_201504290166	Chromium Total ICAP/MS	ND	100	109	ug/L	109	(70-130)	20	0.0
MSD2_201504060068	Chromium Total ICAP/MS	ND	100	110	ug/L	110	(70-130)	20	0.0
LCS1	Lead Total ICAP/MS		20	20.8	ug/L	104	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.4	ug/L	102	(85-115)	20	1.9
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.571	ug/L	114	(50-150)		
MS_201504290166	Lead Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201504060068	Lead Total ICAP/MS	ND	20	19.7	ug/L	99	(70-130)		
MSD_201504290166	Lead Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)	20	0.50
MSD2_201504060068	Lead Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.51

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

ilac-MRA

ACLASS ACCREDITED TESTING
AT-1807

Laboratory Report

for

Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113
Attention: Danielle Rice

Date of Issue
05/15/2015

EUROFINS EATON ANALYTICAL

CPP: Cam P Pham

Project Manager

Report: 530590
Project: CARROLL-MONROVIA
Group: QUARTERLY SAMPLING

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

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STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nebraska**	Certified
Arkansas	Certified	**Nevada**	CA00006-2014-1
California-Monrovia-ELAP	2813	**New Hampshire ***	2959
California-Colton- ELAP	2812	**New Jersey ***	CA 008
California-Folsom- ELAP	2820	**New Mexico**	Certified
Colorado	Certified	**New York ***	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida *	E871024	**Oregon (Primary AB) ***	**ORELAP 4034**
Georgia	947	**Pennsylvania ***	68-565
Guam	14-003r	**Rhode Island**	LAO00326
Hawaii	Certified	**South Carolina**	87016
Idaho	Certified	**South Dakota**	Certified
Illinois *	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas ***	T104704230-14-7
Kansas *	E-10268	**Utah ***	CA000062014-7
Kentucky	90107	**Vermont**	VT0114
Louisiana *	LA140009	**Virginia ***	460260
Maine	CA0006	**Washington**	C838
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified
Los Angeles County Sanitation Districts	10264		

* NELAP/TNI Recognized Accreditation Bodies

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ACLASS.
Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Drinking Water	Food & Beverage	Waste Water
1,4-Dioxane	EPA 522	x	x	
2,3,7,8-TCDD	Modified EPA 1613B	x	x	
Acrylamide	In House Method	x	x	
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H (18th)		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x	x	
Asbestos	EPA 100.2	x		
Bicarbonate Alkalinity as HCO3	SM 2330B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method	x	x	
Carbamates	EPA 531.2	x	x	
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x	x	
COD	EPA 410.4 / SM 5220D			x
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x	x	
Chlorinated Acids	EPA 555	x	x	
Chlorine Dioxide	SM 4500-CLO2 D	x	x	
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1			x
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x	x	
Cyanide, Amenable	SM 4500-CN G	x		x
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method	x	x	
Diquat and Paraquat	EPA 549.2	x	x	
DBP/HAA	SM 6251B	x	x	
Dissolved Oxygen	SM 4500-O G		x	x
E. Coli	(MTF/EC+MUG)	x		
E. Coli	CFR 141.21(f)(6)(i)		x	x
E. Coli	SM 9223			x
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x	x	
E. Coli (Enumeration)	SM 9223B	x	x	
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x	x	
EDTA and NTA	In House Method	x	x	
Endothall	EPA 548.1	x	x	
Enterococci	SM 9230B	x		x
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)			x
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x	x	
Fecal Coliform with Chlorine Present	SM 9221E			x
Fecal Streptococci	SM 9230B	x		x
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x	x	
Gross Alpha/Beta	EPA 900.0	x	x	x
HAAs/ Dalapon	EPA 552.3	x	x	
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method	x	x	
Heterotrophic Bacteria	SM 9215 B	x	x	
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x	x	
Hexavalent Chromium	SM 3500-Cr B or C (20th)			x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Drinking Water	Food & Beverage	Waste Water
Hormones	EPA 539	x	x	
Hydroxide as OH Calc.	SM 2330B	x	x	
Kjeldahl Nitrogen	EPA 351.2			x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA	x	x	
NDMA	EPA 521	x	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x	x	
Ortho Phosphate	EPA 365.1	x	x	
Ortho Phosphate and Total Phosphorous	EPA 365.1/SM 4500-P E			x
Ortho Phosphorous	SM 4500P E	x	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	x	
Perchlorate	EPA 331.0	x	x	
Perchlorate	EPA 314.0	x	x	
Perfluorinated Alkyl Acids	EPA 537	x	x	
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method	x	x	
Pseudomonas	IDEXX Pseudalert	x	x	
Radium-226	RA-226 GA	x	x	
Radium-228	RA-228 GA	x	x	
Radon-222	SM 7500RN	x	x	
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D			x
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4			x
Semi-VOC	EPA 525.2	x	x	
Semi-VOC	EPA 625	x	x	x
Silica	SM 4500-Si D	x	x	x
Silica	SM 4500-SiO2 C	x		x
Sulfide	SM 4500-$S^{=}$ D			x
Sulfite	SM 4500-SO^3B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x	x	
Total Coliform	SM 9221 A, B	x	x	
Total Coliform (Enumeration)	SM 9221 A, B, C	x	x	
Total Coliform / E. coli	Colisure	x	x	
Total Coliform	SM 9221B			x
Total Coliform with Chlorine Present	SM 9221B			x
Total Coliform / E.coli	SM 9223	x	x	
TOC	SM 5310C		x	x
TOC/DOC	SM 5310C	x	x	
TOX	SM 5320B			x
Total Phenols	EPA 420.1			x
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P F			x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x		x
Uranium by ICP/MS	EPA 200.8	x	x	
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x	x	
VOC	EPA 624	x	x	x
VOC	EPA SW 846 8260	x	x	
VOC	In House Method	x	x	
Yeast and Mold	SM 9610	x	x	

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Acknowledgement of Samples Received

Addr: **Groundwater & Environmental Services, Inc.**
1350 Blair Drive
Suite A
Odenton, MD 21113

Client ID: GWENVSERVICE-MD
Folder #: 530590
Project: CARROLL-MONROVIA
Sample Group: QUARTERLY SAMPLING

Attn: Danielle Rice
Phone: 800-220-3606

Project Manager: Cam P Pham
Phone: (909) 254-0381

The following samples were received from you on **April 23, 2015** at **1129**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID			Sample Date
201503230111	MW-13			04/22/2015 0930
	218.7 Hexavalent Chromium (Dissolved)	Chromium dissolved ICAP/MS	Chromium Total ICAP/MS	
	Lead dissolved ICAP/MS	Lead Total ICAP/MS		
201503230118	MW-7			04/22/2015 1025
	218.7 Hexavalent Chromium (Dissolved)	Chromium dissolved ICAP/MS	Chromium Total ICAP/MS	
	Lead dissolved ICAP/MS	Lead Total ICAP/MS		
201503230114	MW-18D			04/22/2015 1135
	218.7 Hexavalent Chromium (Dissolved)	Chromium dissolved ICAP/MS	Chromium Total ICAP/MS	
	Lead dissolved ICAP/MS	Lead Total ICAP/MS		
201503230112	MW-15D			04/22/2015 1245
	218.7 Hexavalent Chromium (Dissolved)	Chromium dissolved ICAP/MS	Chromium Total ICAP/MS	
	Lead dissolved ICAP/MS	Lead Total ICAP/MS		
201503230116	MW-18S-R			04/22/2015 1415
	218.7 Hexavalent Chromium (Dissolved)	Chromium dissolved ICAP/MS	Chromium Total ICAP/MS	
	Lead dissolved ICAP/MS	Lead Total ICAP/MS		
201503230117	MW-18S			04/22/2015 1525
	218.7 Hexavalent Chromium (Dissolved)	Chromium dissolved ICAP/MS	Chromium Total ICAP/MS	
	Lead dissolved ICAP/MS	Lead Total ICAP/MS		

Test Description

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (626) 386-1101 http://www.EatonAnalytical.com

530590

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CHAIN OF CUSTODY RECORD

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: #352A

SAMPLES CHECKED AGAINST COC BY: WP

SAMPLES LOGGED IN BY:

SAMPLES REC'D DAY OF COLLECTION? [ ] (check for yes)

SAMPLE TEMP RECEIVED AT:
[ ] Colton / No. California / Arizona _____ °C (Compliance: 4 ± 2 °C)
[X] Monrovia 3.6 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen _____ Partially Frozen _____ Thawed _____ Wet Ice X No Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: GES-1350 Blair Drive Odenton Md. 21113 1800 220-3606 ext. 3717

PROJECT CODE: Carroll Fuel Monrovia 11791 Fingerboard Rd. Monrovia, Md. 04-2008-06-206

COMPLIANCE SAMPLES [ ] (check for yes)
- Requires state forms [ ]

NON-COMPLIANCE SAMPLES [ ] (check for yes)
REGULATION INVOLVED:

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)

EEA CLIENT CODE:

COC ID:

SAMPLE GROUP:

SEE ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes), OR
list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only STD ✓ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX*	FIELD DATA	FIELD DATA	Hexavalent Chromium (218.7)		Dissolved LEAD + Chromium (200.8)		Total LEAD + Chromium (200.8)								SAMPLER COMMENTS
4-22-15	0930	MW-13		RGW			X		X		X								Dissolved LEAD + Chromium have been field filtered.
	1025	MW-7																	
	1135	MW-18D																	
	1245	MW-15D																	
	1415	MW-18S-R																	
4-22-15	1525	MW-18S		RGW			X		X		X								

APR 23 2015 1129

Victor Plascencia
Eurofins Eaton Analytical

* MATRIX TYPES: RSW = Raw Surface Water; RGW = Raw Ground Water; CFW = Chlor(am)inated Finished Water; FW = Other Finished Water; SEAW = Sea Water; WW = Waste Water; BW = Bottled Water; SW = Storm Water; SO = Soil; SL = Sludge; O = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	Jeff Plummer	Jeff Plummer	GES / Sr. Remediation Tech	4-22-15	1715
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

QA FO 0029 (06/26/2013)

PAGE 1 OF 1

Email to MdLabs@gesonline.com
- EQEDD File Name: Carroll Monrovia - lab report #. 17953. EQEDD.zip
- GES@equisonline.com

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formerly MWH Laboratories

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (626) 386-1101

Kit Order for Groundwater & Environmental Services, Inc.

Cam P Pham is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 109119
Created By: PRC
Deliver By: 03/30/2015
STG: Bottle Orders
Ice Type: W
Pre Registerd

Client ID: GWENVSERVICE-MD
Project Code: CARROLL-MONROVIA Bottle Orders
Group Name: QUARTERLY SAMPLING
PO#/JOB#:

Ship Sample Kits to
Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113

Attn: Danielle Rice
Phone: 800-220-3606

Send Report to
Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113

Attn: Danielle Rice
Phone: 800-220-3606

Billing Address
Groundwater & Environmental Services, Inc.
1350 Blair Drive
Suite A
Odenton, MD 21113

Attn: Gregory Reichart
Phone: 800-220-3606

# of Sample	Tests	Bottles - Qty for each sample, type & preservative if ai	UN DOT #
9	218.7 Hexavalent Chromium (Dissolved)	1 125ml poly 1.25 ml NH4SO4/NH4OH buffer	
9	Chromium dissolved ICAP/MS	1 500ml poly no preservative	
9	Chromium Total ICAP/MS, Lead Total ICAP/MS	1 500ml acid poly 2ml HNO3 (18%)	UN2031
9	Lead dissolved ICAP/MS	1 500ml poly no preservative	

Comments

SHIPPING - PLEASE INCLUDE 2 COCs. PLEASE INCLUDE PRE-PAID SHIPPING LABEL.

NEEDED BY 03/30/15.

PLEASE MARK COOLERS 'CARROLL MONROVIA'.

field filtering, send preserved bottles:
- Dissolved Chromium(200.8)
- Dissolved Lead(200.8)

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Comments
Report: 530590

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

The Comments Report may be blank if there are no comments for this report.

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Laboratory Hits
Report: 530590

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

Samples Received on:
04/23/2015 1129

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201503230111	**MW-13**				
04/28/2015 12:56	Hexavalent Chromium (Dissolved)		0.095		ug/L	0.03
	201503230112	**MW-15D**				
04/28/2015 13:06	Hexavalent Chromium (Dissolved)		0.20		ug/L	0.03
	201503230114	**MW-18D**				
05/06/2015 12:55	Lead Total ICAP/MS		4.2	15	ug/L	0.5
	201503230116	**MW-18S-R**				
04/28/2015 13:26	Hexavalent Chromium (Dissolved)		0.36		ug/L	0.03
05/06/2015 12:57	Lead Total ICAP/MS		9.5	15	ug/L	0.5
	201503230117	**MW-18S**				
05/08/2015 11:47	Chromium dissolved ICAP/MS		45		ug/L	1
05/12/2015 11:36	Chromium Total ICAP/MS		42	100	ug/L	1
04/30/2015 09:52	Hexavalent Chromium (Dissolved)		44		ug/L	0.15
04/27/2015 11:54	Lead dissolved ICAP/MS		0.98		ug/L	0.5
05/06/2015 13:05	Lead Total ICAP/MS		3.3	15	ug/L	0.5
	201503230118	**MW-7**				
04/29/2015 10:45	Chromium Total ICAP/MS		1.0	100	ug/L	1
04/28/2015 13:55	Hexavalent Chromium (Dissolved)		0.75		ug/L	0.03

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 530590

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

Samples Received on:
04/23/2015 1129

Prepared	Analyzed		QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
MW-13 (201503230111)							**Sampled on 04/22/2015 0930**		
		EPA 200.8 - ICPMS Metals							
4/24/2015	04/30/2015	13:21	835764	(EPA 200.8)	Chromium dissolved ICAP/MS	ND	ug/L	1	1
4/24/2015	04/29/2015	11:04	835372	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	5	5
4/24/2015	04/27/2015	12:50	835025	(EPA 200.8)	Lead dissolved ICAP/MS	ND	ug/L	0.5	1
4/24/2015	04/29/2015	11:04	835372	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	2.5	5
		EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/28/2015	12:56	835456	(EPA 218.7)	Hexavalent Chromium (Dissolved)	0.095	ug/L	0.03	1
MW-15D (201503230112)							**Sampled on 04/22/2015 1245**		
		EPA 200.8 - ICPMS Metals							
4/24/2015	04/27/2015	12:41	835025	(EPA 200.8)	Chromium dissolved ICAP/MS	ND	ug/L	1	1
4/24/2015	05/04/2015	18:16	835579	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
4/24/2015	04/27/2015	12:41	835025	(EPA 200.8)	Lead dissolved ICAP/MS	ND	ug/L	0.5	1
4/24/2015	05/06/2015	12:52	836804	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
		EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/28/2015	13:06	835456	(EPA 218.7)	Hexavalent Chromium (Dissolved)	0.20	ug/L	0.03	1
MW-18D (201503230114)							**Sampled on 04/22/2015 1135**		
		EPA 200.8 - ICPMS Metals							
4/24/2015	04/27/2015	12:24	835025	(EPA 200.8)	Chromium dissolved ICAP/MS	ND	ug/L	1	1
4/24/2015	05/04/2015	18:20	835579	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
4/24/2015	04/27/2015	12:24	835025	(EPA 200.8)	Lead dissolved ICAP/MS	ND	ug/L	0.5	1
4/24/2015	05/06/2015	12:55	836804	(EPA 200.8)	Lead Total ICAP/MS	4.2	ug/L	0.5	1
		EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/28/2015	13:16	835456	(EPA 218.7)	Hexavalent Chromium (Dissolved)	ND	ug/L	0.03	1
MW-18S-R (201503230116)							**Sampled on 04/22/2015 1415**		
		EPA 200.8 - ICPMS Metals							
4/24/2015	04/27/2015	12:32	835025	(EPA 200.8)	Chromium dissolved ICAP/MS	ND	ug/L	1	1
4/24/2015	05/04/2015	18:22	835579	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
4/24/2015	04/27/2015	12:32	835025	(EPA 200.8)	Lead dissolved ICAP/MS	ND	ug/L	0.5	1
4/24/2015	05/06/2015	12:57	836804	(EPA 200.8)	Lead Total ICAP/MS	9.5	ug/L	0.5	1
		EPA 218.7 - UCMR3 Hexavalent Chromium							
	04/28/2015	13:26	835456	(EPA 218.7)	Hexavalent Chromium (Dissolved)	0.36	ug/L	0.03	1
MW-18S (201503230117)							**Sampled on 04/22/2015 1525**		

Rounding on totals after summation.
(c) - indicates calculated results

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Monrovia, California 91016-3629
Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 530590

Groundwater & Environmental Services, Inc.
Danielle Rice
1350 Blair Drive
Suite A
Odenton, MD 21113

Samples Received on:
04/23/2015 1129

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
		EPA 200.8 - ICPMS Metals						
4/24/2015	05/08/2015 11:47	837392	(EPA 200.8)	Chromium dissolved ICAP/MS	45	ug/L	1	1
4/24/2015	05/12/2015 11:36	837918	(EPA 200.8)	Chromium Total ICAP/MS	42	ug/L	1	1
4/24/2015	04/27/2015 11:54	835025	(EPA 200.8)	Lead dissolved ICAP/MS	0.98	ug/L	0.5	1
4/24/2015	05/06/2015 13:05	836804	(EPA 200.8)	Lead Total ICAP/MS	3.3	ug/L	0.5	1
		EPA 218.7 - UCMR3 Hexavalent Chromium						
	04/30/2015 09:52	835761	(EPA 218.7)	Hexavalent Chromium (Dissolved)	44	ug/L	0.15	5

MW-7 (201503230118) **Sampled on 04/22/2015 1025**

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
		EPA 200.8 - ICPMS Metals						
4/24/2015	04/27/2015 12:45	835025	(EPA 200.8)	Chromium dissolved ICAP/MS	ND	ug/L	1	1
4/24/2015	04/29/2015 10:45	835372	(EPA 200.8)	Chromium Total ICAP/MS	1.0	ug/L	1	1
4/24/2015	04/27/2015 12:45	835025	(EPA 200.8)	Lead dissolved ICAP/MS	ND	ug/L	0.5	1
4/24/2015	04/29/2015 10:45	835372	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
		EPA 218.7 - UCMR3 Hexavalent Chromium						
	04/28/2015 13:55	835456	(EPA 218.7)	Hexavalent Chromium (Dissolved)	0.75	ug/L	0.03	1

Rounding on totals after summation.
(c) - indicates calculated results

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Monrovia, California 91016-3629
Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Groundwater & Environmental Services, Inc.

QC Ref # 835025 - ICPMS Metals — **Analysis Date: 04/27/2015**

201503230111	MW-13	Analyzed by: SXK
201503230112	MW-15D	Analyzed by: SXK
201503230114	MW-18D	Analyzed by: SXK
201503230116	MW-18S-R	Analyzed by: SXK
201503230117	MW-18S	Analyzed by: SXK
201503230118	MW-7	Analyzed by: SXK

QC Ref # 835372 - ICPMS Metals — **Analysis Date: 04/29/2015**

201503230111	MW-13	Analyzed by: SXK
201503230118	MW-7	Analyzed by: SXK

QC Ref # 835456 - UCMR3 Hexavalent Chromium — **Analysis Date: 04/28/2015**

201503230111	MW-13	Analyzed by: TLH
201503230112	MW-15D	Analyzed by: TLH
201503230114	MW-18D	Analyzed by: TLH
201503230116	MW-18S-R	Analyzed by: TLH
201503230118	MW-7	Analyzed by: TLH

QC Ref # 835579 - ICPMS Metals — **Analysis Date: 05/04/2015**

201503230112	MW-15D	Analyzed by: AZS
201503230114	MW-18D	Analyzed by: AZS
201503230116	MW-18S-R	Analyzed by: AZS

QC Ref # 835761 - UCMR3 Hexavalent Chromium — **Analysis Date: 04/30/2015**

201503230117	MW-18S	Analyzed by: TLH

QC Ref # 835764 - ICPMS Metals — **Analysis Date: 04/30/2015**

201503230111	MW-13	Analyzed by: SXK

QC Ref # 836804 - ICPMS Metals — **Analysis Date: 05/06/2015**

201503230112	MW-15D	Analyzed by: DTN
201503230114	MW-18D	Analyzed by: DTN
201503230116	MW-18S-R	Analyzed by: DTN
201503230117	MW-18S	Analyzed by: DTN

QC Ref # 837392 - ICPMS Metals — **Analysis Date: 05/08/2015**

201503230117	MW-18S	Analyzed by: SXK

QC Ref # 837918 - ICPMS Metals — **Analysis Date: 05/12/2015**

201503230117	MW-18S	Analyzed by: DTN

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory QC
Report: 530590

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 835025 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/27/2015**			
LCS1	Chromium dissolved ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)	20	5.7
MBLK	Chromium dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Chromium dissolved ICAP/MS		1	1.13	ug/L	113	(50-150)		
MS_201504070070	Chromium dissolved ICAP/MS	ND	100	106	ug/L	106	(70-130)		
MS2_201504200082	Chromium dissolved ICAP/MS	4.8	100	127	ug/L	122	(70-130)		
MSD_201504070070	Chromium dissolved ICAP/MS	ND	100	106	ug/L	106	(70-130)	20	0.0
MSD2_201504200082	Chromium dissolved ICAP/MS	4.8	100	122	ug/L	117	(70-130)	20	4.0
LCS1	Chromium Total ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)	20	5.7
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.13	ug/L	113	(50-150)		
MS_201504070070	Chromium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)		
MS2_201504200082	Chromium Total ICAP/MS	4.8	100	127	ug/L	122	(70-130)		
MSD_201504070070	Chromium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)	20	0.0
MSD2_201504200082	Chromium Total ICAP/MS	4.8	100	122	ug/L	117	(70-130)	20	4.0
LCS1	Lead dissolved ICAP/MS		20	19.4	ug/L	97	(85-115)		
LCS2	Lead dissolved ICAP/MS		20	21.2	ug/L	106	(85-115)	20	8.9
MBLK	Lead dissolved ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead dissolved ICAP/MS		0.5	0.587	ug/L	117	(50-150)		
MS_201504070070	Lead dissolved ICAP/MS	ND	20	21.2	ug/L	105	(70-130)		
MS2_201504200082	Lead dissolved ICAP/MS	ND	20	22.5	ug/L	112	(70-130)		
MSD_201504070070	Lead dissolved ICAP/MS	ND	20	21.7	ug/L	108	(70-130)	20	2.3
MSD2_201504200082	Lead dissolved ICAP/MS	ND	20	20.8	ug/L	103	(70-130)	20	7.8
LCS1	Lead Total ICAP/MS		20	19.4	ug/L	97	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	8.9
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.587	ug/L	117	(50-150)		
MS_201504070070	Lead Total ICAP/MS	ND	20	21.2	ug/L	105	(70-130)		
MS2_201504200082	Lead Total ICAP/MS	ND	20	22.5	ug/L	112	(70-130)		
MSD_201504070070	Lead Total ICAP/MS	ND	20	21.7	ug/L	108	(70-130)	20	2.3
MSD2_201504200082	Lead Total ICAP/MS	ND	20	20.8	ug/L	103	(70-130)	20	7.8
QC Ref# 835372 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/29/2015**			
LCS1	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Chromium dissolved ICAP/MS		100	108	ug/L	108	(85-115)	20	0.0
MBLK	Chromium dissolved ICAP/MS			<1	ug/L				

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory QC
Report: 530590

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Chromium dissolved ICAP/MS		1	1.09	ug/L	109	(50-150)		
MS_201504150943	Chromium dissolved ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MS2_201504170228	Chromium dissolved ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MSD_201504150943	Chromium dissolved ICAP/MS	ND	100	111	ug/L	111	(70-130)	20	1.8
MSD2_201504170228	Chromium dissolved ICAP/MS	ND	100	120	ug/L	120	(70-130)	20	6.0
LCS1	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.09	ug/L	109	(50-150)		
MS_201504150943	Chromium Total ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MS_201504150943	Chromium Total ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MS2_201504170228	Chromium Total ICAP/MS	ND	100	113	ug/L	113	(70-130)		
MSD_201504150943	Chromium Total ICAP/MS	ND	100	111	ug/L	111	(70-130)	20	1.8
MSD_201504150943	Chromium Total ICAP/MS	ND	100	111	ug/L	111	(70-130)	20	1.8
MSD2_201504170228	Chromium Total ICAP/MS	ND	100	120	ug/L	120	(70-130)	20	6.0
LCS1	Lead dissolved ICAP/MS		20	21.6	ug/L	108	(85-115)		
LCS2	Lead dissolved ICAP/MS		20	21.4	ug/L	107	(85-115)	20	0.93
MBLK	Lead dissolved ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead dissolved ICAP/MS		0.5	0.569	ug/L	114	(50-150)		
MS_201504150943	Lead dissolved ICAP/MS	ND	20	22.4	ug/L	112	(70-130)		
MS2_201504170228	Lead dissolved ICAP/MS	0.53	20	23.9	ug/L	117	(70-130)		
MSD_201504150943	Lead dissolved ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	4.1
MSD2_201504170228	Lead dissolved ICAP/MS	0.53	20	24.4	ug/L	119	(70-130)	20	2.1
LCS1	Lead Total ICAP/MS		20	21.6	ug/L	108	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.4	ug/L	107	(85-115)	20	0.93
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.569	ug/L	114	(50-150)		
MS_201504150943	Lead Total ICAP/MS	ND	20	22.4	ug/L	112	(70-130)		
MS_201504150943	Lead Total ICAP/MS	ND	20	22.4	ug/L	112	(70-130)		
MS2_201504170228	Lead Total ICAP/MS	0.53	20	23.9	ug/L	117	(70-130)		
MSD_201504150943	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	4.1
MSD_201504150943	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	4.1
MSD2_201504170228	Lead Total ICAP/MS	0.53	20	24.4	ug/L	119	(70-130)	20	2.1
QC Ref# 835456 - UCMR3 Hexavalent Chromium by EPA 218.7						**Analysis Date: 04/28/2015**			
CCCH	Hexavalent Chromium (Dissolved)		20	20.0	ug/L	100	(85-115)		
CCCL	Hexavalent Chromium (Dissolved)		0.02	0.0185	ug/L	93	(50-150)		
CCCM	Hexavalent Chromium (Dissolved)		10	9.96	ug/L	100	(85-115)		
MBLK	Hexavalent Chromium (Dissolved)			<0.01	ug/L				

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory QC
Report: 530590

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201504220509	Hexavalent Chromium (Dissolved)	0.50	2	2.54	ug/L	102	(85-115)		
MS2_201503230118	Hexavalent Chromium (Dissolved)	0.75	0.02	0.772	ug/L	91	(50-150)		
MSD_201504220509	Hexavalent Chromium (Dissolved)	0.50	2	2.57	ug/L	104	(85-115)	15	1.2
MSD2_201503230118	Hexavalent Chromium (Dissolved)	0.75	0.02	0.781	ug/L	136	(50-150)	50	1.2
QCS	Hexavalent Chromium (Dissolved)		10	9.96	ug/L	100	(90-110)		
QCSD	Hexavalent Chromium (Dissolved)		10	9.97	ug/L	100	(90-110)	15	0.10
QC Ref# 835579 - ICPMS Metals by EPA 200.8						**Analysis Date: 05/04/2015**			
LCS1	Chromium Total ICAP/MS		100	105	ug/L	105	(85-115)		
LCS2	Chromium Total ICAP/MS		100	105	ug/L	105	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.30	ug/L	130	(50-150)		
MS_201503300537	Chromium Total ICAP/MS	4.7	100	111	ug/L	106	(70-130)		
MS2_201504080128	Chromium Total ICAP/MS	ND	100	105	ug/L	104	(70-130)		
MSD_201503300537	Chromium Total ICAP/MS	4.7	100	110	ug/L	105	(70-130)	20	0.91
MSD2_201504080128	Chromium Total ICAP/MS	ND	100	107	ug/L	106	(70-130)	20	1.9
LCS1	Lead Total ICAP/MS		20	20.3	ug/L	102	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.3	ug/L	102	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MS_201503300537	Lead Total ICAP/MS	3.9	20	20.9	ug/L	88	(70-130)		
MS2_201504080128	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MSD_201503300537	Lead Total ICAP/MS	3.9	20	21.5	ug/L	107	(70-130)	20	2.8
MSD2_201504080128	Lead Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)	20	0.96
QC Ref# 835761 - UCMR3 Hexavalent Chromium by EPA 218.7						**Analysis Date: 04/30/2015**			
CCCH	Hexavalent Chromium (Dissolved)		20	20.0	ug/L	100	(85-115)		
CCCL	Hexavalent Chromium (Dissolved)		0.02	0.0167	ug/L	84	(50-150)		
CCCM	Hexavalent Chromium (Dissolved)		10	10.0	ug/L	100	(85-115)		
MBLK	Hexavalent Chromium (Dissolved)			<0.01	ug/L				
MS_201504280124	Hexavalent Chromium (Dissolved)	ND	2	2.06	ug/L	103	(85-115)		
MS2_201504130027	Hexavalent Chromium (Dissolved)	0.17	0.02	0.192	ug/L	103	(50-150)		
MSD_201504280124	Hexavalent Chromium (Dissolved)	ND	2	2.01	ug/L	100	(85-115)	15	2.5
MSD2_201504130027	Hexavalent Chromium (Dissolved)	0.17	0.02	0.194	ug/L	113	(50-150)	50	1.0
QCS	Hexavalent Chromium (Dissolved)		10	9.95	ug/L	100	(90-110)		
QCSD	Hexavalent Chromium (Dissolved)		10	9.96	ug/L	100	(90-110)	15	0.10
QC Ref# 835764 - ICPMS Metals by EPA 200.8						**Analysis Date: 04/30/2015**			
LCS1	Chromium dissolved ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Chromium dissolved ICAP/MS		100	106	ug/L	106	(85-115)	20	0.0
MBLK	Chromium dissolved ICAP/MS			<1	ug/L				

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory QC
Report: 530590

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Chromium dissolved ICAP/MS		1	1.04	ug/L	104	(50-150)		
MS_201504220595	Chromium dissolved ICAP/MS	1.6	100	103	ug/L	101	(70-130)		
MS2_201504220592	Chromium dissolved ICAP/MS	1.2	100	94.9	ug/L	94	(70-130)		
MSD_201504220595	Chromium dissolved ICAP/MS	1.6	100	102	ug/L	100	(70-130)	20	0.98
MSD2_201504220592	Chromium dissolved ICAP/MS	1.2	100	103	ug/L	102	(70-130)	20	8.2
LCS1	Chromium Total ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Chromium Total ICAP/MS		100	106	ug/L	106	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.04	ug/L	104	(50-150)		
MS_201504220595	Chromium Total ICAP/MS	1.6	100	103	ug/L	101	(70-130)		
MS2_201504220592	Chromium Total ICAP/MS	1.2	100	94.9	ug/L	94	(70-130)		
MSD_201504220595	Chromium Total ICAP/MS	1.6	100	102	ug/L	100	(70-130)	20	0.98
MSD2_201504220592	Chromium Total ICAP/MS	1.2	100	103	ug/L	102	(70-130)	20	8.2
LCS1	Lead Total ICAP/MS		20	20.4	ug/L	102	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.4	ug/L	102	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.586	ug/L	117	(50-150)		
MS_201504220595	Lead Total ICAP/MS	ND	20	19.0	ug/L	93	(70-130)		
MS2_201504220592	Lead Total ICAP/MS	ND	20	18.1	ug/L	89	(70-130)		
MSD_201504220595	Lead Total ICAP/MS	ND	20	19.1	ug/L	93	(70-130)	20	0.53
MSD2_201504220592	Lead Total ICAP/MS	ND	20	19.9	ug/L	98	(70-130)	20	9.5
QC Ref# 836804 - ICPMS Metals by EPA 200.8						**Analysis Date: 05/06/2015**			
LCS1	Chromium Total ICAP/MS		100	101	ug/L	101	(85-115)		
LCS2	Chromium Total ICAP/MS		100	102	ug/L	102	(85-115)	20	0.99
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.28	ug/L	128	(50-150)		
MS_201504290851	Chromium Total ICAP/MS	1.8	100	101	ug/L	99	(70-130)		
MS2_201504290853	Chromium Total ICAP/MS	ND	100	94.4	ug/L	94	(70-130)		
MSD_201504290851	Chromium Total ICAP/MS	1.8	100	101	ug/L	99	(70-130)	20	0.0
MSD2_201504290853	Chromium Total ICAP/MS	ND	100	96.4	ug/L	96	(70-130)	20	2.1
LCS1	Lead Total ICAP/MS		20	20.8	ug/L	104	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.8	ug/L	104	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.638	ug/L	128	(50-150)		
MS_201504290851	Lead Total ICAP/MS	ND	20	20.6	ug/L	102	(70-130)		
MS2_201504290853	Lead Total ICAP/MS	ND	20	19.6	ug/L	97	(70-130)		
MSD_201504290851	Lead Total ICAP/MS	ND	20	19.5	ug/L	96	(70-130)	20	5.5
MSD2_201504290853	Lead Total ICAP/MS	ND	20	19.9	ug/L	99	(70-130)	20	1.5

Spike recovery is already corrected for native results.
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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 530590

Groundwater & Environmental Services, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 837392 - ICPMS Metals by EPA 200.8						**Analysis Date: 05/08/2015**			
LCS1	Chromium Total ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Chromium Total ICAP/MS		100	105	ug/L	105	(85-115)	20	0.95
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	0.929	ug/L	93	(50-150)		
MS_201505040552	Chromium Total ICAP/MS	ND	100	106	ug/L	105	(70-130)		
MS2_201505040556	Chromium Total ICAP/MS	ND	100	100	ug/L	99	(70-130)		
MSD_201505040552	Chromium Total ICAP/MS	ND	100	97.6	ug/L	97	(70-130)	20	8.3
MSD2_201505040556	Chromium Total ICAP/MS	ND	100	96.3	ug/L	96	(70-130)	20	3.8
LCS1	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.483	ug/L	97	(50-150)		
MS_201505040552	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)		
MS2_201505040556	Lead Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201505040552	Lead Total ICAP/MS	ND	20	19.1	ug/L	95	(70-130)	20	12
MSD2_201505040556	Lead Total ICAP/MS	ND	20	18.7	ug/L	93	(70-130)	20	2.6
QC Ref# 837918 - ICPMS Metals by EPA 200.8						**Analysis Date: 05/12/2015**			
LCS1	Chromium Total ICAP/MS		100	100	ug/L	100	(85-115)		
LCS2	Chromium Total ICAP/MS		100	98.5	ug/L	99	(85-115)	20	1.5
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1	1.14	ug/L	114	(50-150)		
MS_201503240101	Chromium Total ICAP/MS	1.6	100	108	ug/L	108	(70-130)		
MS2_201505050066	Chromium Total ICAP/MS	ND	100	110	ug/L	110	(70-130)		
MSD_201503240101	Chromium Total ICAP/MS	1.6	100	112	ug/L	112	(70-130)	20	3.6
MSD2_201505050066	Chromium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)	20	3.7
LCS1	Lead Total ICAP/MS		20	20.1	ug/L	101	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.3	ug/L	101	(85-115)	20	0.99
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.528	ug/L	106	(50-150)		
MS_201503240101	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MS2_201505050066	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)		
MSD_201503240101	Lead Total ICAP/MS	ND	20	21.9	ug/L	110	(70-130)	20	2.3
MSD2_201505050066	Lead Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)	20	2.8

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
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Odenton MD 21113

April 29, 2015

Project: Carroll Monrovia

Submittal Date: 04/17/2015
Group Number: 1554248
PO Number: 0402888-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3994-FARM-EFF Grab Potable Water	7851950
3994-FARM-MID2 Grab Potable Water	7851951
3994-FARM-INF Grab Potable Water	7851952
3992-FARM-EFF Grab Potable Water	7851953
3992-FARM-MID2 Grab Potable Water	7851954
3992-FARM-INF Grab Potable Water	7851955
3990-FARM-EFF Grab Potable Water	7851956
3990-FARM-MID2 Grab Potable Water	7851957
3990-FARM-INF Grab Potable Water	7851958
3997-FARM-EFF Grab Potable Water	7851959
3997-FARM-MID2 Grab Potable Water	7851960
3997-FARM-INF Grab Potable Water	7851961
3923-ROSE-EFF Grab Potable Water	7851962
3923-ROSE-MID2 Grab Potable Water	7851963
3923-ROSE-INF Grab Potable Water	7851964
GVP-EFF Grab Potable Water	7851965
GVP-MID Grab Potable Water	7851966
GVP-INF Grab Potable Water	7851967
GVP-FR941281 Grab Potable Water	7851968
GVP-FR941233 Grab Potable Water	7851969
3740-BLUE-INF Grab Potable Water	7851970
3995-FARM-INF Grab Potable Water	7851971

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution
ELECTRONIC COPY TO	GES	Attn: Greg Reichart

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

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Analysis Report

Sample Description: 3994-FARM-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851950
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 08:40 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3994E

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/20/2015 23:01	Kevin A Sposito	1

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Analysis Report

Sample Description: 3994-FARM-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851951
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 08:45 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3994M

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/20/2015 23:28	Kevin A Sposito	1

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Analysis Report

Sample Description: 3994-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851952
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 08:55 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3994I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	0.8		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	5.5	J	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	0.5		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	45		1.0	10
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/20/2015 23:55	Kevin A Sposito	1
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 18:27	Jason M Long	10

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Analysis Report

Sample Description: 3992-FARM-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851953
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 09:10 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3992E

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 00:23	Kevin A Sposito	1

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Analysis Report

Sample Description: 3992-FARM-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851954
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 09:15 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
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Odenton MD 21113

3992M

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 00:50	Kevin A Sposito	1

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Analysis Report

Sample Description: 3992-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851955
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 09:20 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3992I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	0.8		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	3.2	J	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	0.7		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	56		1.0	10
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 01:17	Kevin A Sposito	1
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 18:54	Jason M Long	10

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Analysis Report

Sample Description: 3990-FARM-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851956
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 09:40 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3990E

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 01:44	Kevin A Sposito	1

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Analysis Report

Sample Description: 3990-FARM-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851957
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 09:45 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3990M

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 02:11	Kevin A Sposito	1

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Analysis Report

Sample Description: 3990-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851958
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 09:50 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3990I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	2.8		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	5.2	J	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	1.3		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	96		2.0	20
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.1	J	0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 08:06	Kevin A Sposito	20
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 10:19	Jason M Long	1

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Analysis Report

Sample Description: 3997-FARM-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851959
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 10:10 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3997E

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 02:39	Kevin A Sposito	1

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Analysis Report

Sample Description: 3997-FARM-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851960
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 10:15 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3997M

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 03:06	Kevin A Sposito	1

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Analysis Report

Sample Description: 3997-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851961
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 10:20 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3997I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	1		0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.1	J	0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 03:33	Kevin A Sposito	1

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Analysis Report

Sample Description: 3923-ROSE-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851962
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 10:40 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3923E

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 04:00	Kevin A Sposito	1

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Analysis Report

Sample Description: 3923-ROSE-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851963
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 10:45 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3923M

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 10:46	Jason M Long	1

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Analysis Report

Sample Description: 3923-ROSE-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851964
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 10:50 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3923I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.5	J	0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.2	J	0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 04:55	Kevin A Sposito	1

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Analysis Report

Sample Description: GVP-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851965
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 11:45 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

GVPEF

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 05:22	Kevin A Sposito	1

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Analysis Report

Sample Description: GVP-MID Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851966
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 11:50 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

GVPMD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 11:13	Jason M Long	1

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Analysis Report

Sample Description: GVP-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851967
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 11:55 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

GVPIN

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.6	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 06:16	Kevin A Sposito	1

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Analysis Report

Sample Description: GVP-FR941281 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851968
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 12:05 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

41281

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	1.6	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 06:44	Kevin A Sposito	1

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Analysis Report

Sample Description: GVP-FR941233 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851969
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 12:10 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

41233

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	0.3	J	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151102AA	04/21/2015 07:11	Kevin A Sposito	1

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Analysis Report

Sample Description: 3740-BLUE-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851970
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 13:15 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3740I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.2	J	0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 16:11	Jason M Long	1

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Analysis Report

Sample Description: 3995-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7851971
LL Group # 1554248
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/16/2015 14:10 by JP

Submitted: 04/17/2015 16:15
Reported: 04/29/2015 20:34

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3995I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.1	J	0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151131AA	04/23/2015 16:38	Jason M Long	1

Quality Control Summary

Client Name: GES, Inc. Group Number: 1554248
Reported: 04/29/2015 20:34

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S151102AA	Sample number(s): 7851950-7851962,7851964-7851965,7851967-7851969							
t-Amyl Methyl Ether	N.D.	0.1	ug/l	78		70-130		
Benzene	N.D.	0.1	ug/l	96		70-130		
t-Butyl Alcohol	N.D.	2.5	ug/l	108		70-130		
Carbon Tetrachloride	N.D.	0.1	ug/l	89		70-130		
Chlorobenzene	N.D.	0.1	ug/l	93		70-130		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	89		70-130		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	87		70-130		
1,2-Dichloroethane	N.D.	0.1	ug/l	96		70-130		
1,1-Dichloroethene	N.D.	0.1	ug/l	99		70-130		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	92		70-130		
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	100		70-130		
1,2-Dichloropropane	N.D.	0.1	ug/l	92		70-130		
Ethyl t-Butyl Ether	N.D.	0.1	ug/l	80		70-130		
Ethylbenzene	N.D.	0.1	ug/l	91		70-130		
di-Isopropyl Ether	N.D.	0.1	ug/l	88		70-130		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	76		70-130		
Methylene Chloride	N.D.	0.3	ug/l	97		70-130		
Naphthalene	N.D.	0.2	ug/l	85		70-130		
Styrene	N.D.	0.1	ug/l	98		70-130		
Tetrachloroethene	N.D.	0.1	ug/l	80		70-130		
Toluene	N.D.	0.1	ug/l	103		70-130		
1,2,4-Trichlorobenzene	N.D.	0.2	ug/l	87		70-130		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	89		70-130		
1,1,2-Trichloroethane	N.D.	0.1	ug/l	105		70-130		
Trichloroethene	N.D.	0.1	ug/l	95		70-130		
Vinyl Chloride	N.D.	0.1	ug/l	93		70-130		
Xylene (Total)	N.D.	0.1	ug/l	94		70-130		
Batch number: S151131AA	Sample number(s): 7851952,7851955,7851958,7851963,7851966,7851970-7851971							
t-Amyl Methyl Ether	N.D.	0.1	ug/l	97		70-130		
Benzene	N.D.	0.1	ug/l	99		70-130		
t-Butyl Alcohol	N.D.	2.5	ug/l	94		70-130		
Carbon Tetrachloride	N.D.	0.1	ug/l	100		70-130		
Chlorobenzene	N.D.	0.1	ug/l	97		70-130		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	96		70-130		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	96		70-130		
1,2-Dichloroethane	N.D.	0.1	ug/l	95		70-130		
1,1-Dichloroethene	N.D.	0.1	ug/l	99		70-130		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	100		70-130		
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	102		70-130		
1,2-Dichloropropane	N.D.	0.1	ug/l	96		70-130		
Ethyl t-Butyl Ether	N.D.	0.1	ug/l	91		70-130		
Ethylbenzene	N.D.	0.1	ug/l	98		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1554248
Reported: 04/29/2015 20:34

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
di-Isopropyl Ether	N.D.	0.1	ug/l	100		70-130		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	96		70-130		
Methylene Chloride	N.D.	0.3	ug/l	101		70-130		
Naphthalene	N.D.	0.2	ug/l	93		70-130		
Styrene	N.D.	0.1	ug/l	101		70-130		
Tetrachloroethene	N.D.	0.1	ug/l	93		70-130		
Toluene	N.D.	0.1	ug/l	100		70-130		
1,2,4-Trichlorobenzene	N.D.	0.2	ug/l	98		70-130		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	99		70-130		
1,1,2-Trichloroethane	N.D.	0.1	ug/l	100		70-130		
Trichloroethene	N.D.	0.1	ug/l	98		70-130		
Vinyl Chloride	N.D.	0.1	ug/l	102		70-130		
Xylene (Total)	N.D.	0.1	ug/l	102		70-130		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: S151131AA	Sample number(s): 7851952,7851955,7851958,7851963,7851966,7851970-7851971 UNSPK: P853124								
t-Amyl Methyl Ether	98	103	70-130	4	30				
Benzene	109	113	70-130	3	30				
t-Butyl Alcohol	82	100	70-130	19	30				
Carbon Tetrachloride	116	121	70-130	4	30				
Chlorobenzene	103	111	70-130	7	30				
1,2-Dichlorobenzene	106	109	70-130	2	30				
1,3-Dichlorobenzene	106	109	70-130	2	30				
1,2-Dichloroethane	103	107	70-130	3	30				
1,1-Dichloroethene	110	117	70-130	6	30				
cis-1,2-Dichloroethene	104	112	70-130	7	30				
trans-1,2-Dichloroethene	107	117	70-130	8	30				
1,2-Dichloropropane	107	111	70-130	4	30				
Ethyl t-Butyl Ether	95	101	70-130	6	30				
Ethylbenzene	109	116	70-130	6	30				
di-Isopropyl Ether	102	109	70-130	7	30				
Methyl Tertiary Butyl Ether	96	103	70-130	7	30				
Methylene Chloride	107	111	70-130	4	30				
Naphthalene	94	101	70-130	7	30				
Styrene	109	115	70-130	5	30				
Tetrachloroethene	108	109	70-130	2	30				
Toluene	112	115	70-130	2	30				
1,2,4-Trichlorobenzene	105	109	70-130	4	30				
1,1,1-Trichloroethane	110	113	70-130	2	30				
1,1,2-Trichloroethane	103	108	70-130	5	30				
Trichloroethene	109	113	70-130	4	30				
Vinyl Chloride	114	117	70-130	3	30				
Xylene (Total)	111	116	70-130	5	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1554248
Reported: 04/29/2015 20:34

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 524.2
Batch number: S151102AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
7851950	85	84
7851951	85	81
7851952	82	80
7851953	84	81
7851954	87	87
7851955	85	80
7851956	86	83
7851957	85	83
7851959	86	83
7851960	85	83
7851961	81	84
7851962	85	82
7851964	86	80
7851965	82	82
7851967	84	84
7851968	82	83
7851969	86	81
Blank	87	83
LCS	89	92
Limits:	80-120	80-120

Analysis Name: VOCs- 25ml Water by 524.2
Batch number: S151131AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
7851958	92	91
7851963	91	88
7851966	92	92
7851970	88	91
7851971	87	90
Blank	92	92
LCS	105	99
MS	102	107
MSD	103	103
Limits:	80-120	80-120

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1554248 Sample # 7851950-71

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Gregory Reichart	P.O. #: 0402888-06-209
Sampler: Jeff Plummer	PWSID #:
Phone #: 800-220-3606 x3717	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

For Lab Use Only: SF #: ____ SCR #: ____

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Ground	Surface	Potable	NPDES	Other:	Total # of Containers	Full Suite VOCs plus Oxygenates and Naphthalene (524.2)	Remarks
Preservation Codes												H	
3994-FARM-EFF	4-16-15	0840	X					X			4	X	EQEDD file name:
3994-FARM-MID2	↓	0845	↓					↓			↓	↓	Carroll Monrovia-lab
3994-FARM-INF	↓	0855	↓					↓			↓	↓	report #.17953.
3992-FARM-EFF	↓	0910	↓					↓			↓	↓	EQEDD.zip
3992-FARM-MID2	↓	0915	↓					↓			↓	↓	
3992-FARM-INF	↓	0920	↓					↓			↓	↓	
3990-FARM-EFF	↓	0940	↓					↓			↓	↓	
3990-FARM-MID2	↓	0945	↓					↓			↓	↓	
3990-FARM-INF	↓	0950	↓					↓			↓	↓	
3997-FARM-EFF	4-16-15	1010	X					X			4	X	

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-16-15	1600	Denise Woodring	4-16-15	1600
Denise Woodring	4-17-15	12:53	[illegible]	4-17-15	1253
[illegible]	4-17-15	1615			

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 1615 °C 2.4°C 4/17/15

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7045 0614

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 5390 Group # 1554248 Sample # 7651950-71

Client: Groundwater & Environmental Services, Inc. (GES)
Project Name/#: Carroll Monrovia | Site ID #: 0402888
Project Manager: Gregory Reichart | P.O. #: 0402888-06-209
Sampler: Jeff Plummer | PWSID #:
Phone #: 800-220-3606 x3717 | Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD

For Lab Use Only
SF #:
SCR #:

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Soil	Ground	Surface	Potable	NPDES	Water	Other:	Total # of Containers	Full Suite VOCs plus Oxygenates and Naphthalene (524.2)	Remarks
3997-FARM-MID2	4-16-15	1015	X								X		4	X	EQEDD file name:
3997-FARM-INF		1020													Carroll Monrovia-lab
3923-ROSE-EFF		1040													report #.17953.
3923-ROSE-MID2		1045													EQEDD.zip
3923-ROSE-INF		1050													
GVP-EFF		1145													
GVP-MID		1150													
GVP-INF		1155													
GVP-FR941281		1205													
GVP-FR941233	4-16-15	1210	X								X		4	X	

Analyses Requested / Preservation Codes

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:
Rush results requested by (please check): E-Mail ☑ Phone ☐
E-mail Address: mdlabs@gesonline.com & ges@equisonline.com
Phone:

Data Package Options (please check if required)
Type I (Validation/non-CLP) ☐ MA MCP ☐
Type III (Reduced non-CLP) ☐ CT RCP ☐
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐
NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-16-15	1600	Denise Woodring	4-16-15	1600
Denise Woodring	4-17-15	12:53	[illegible]	4-17-15	1253
[illegible]	4-17-15	1615			
			[illegible]	4/17/15	1615

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 2.4 °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1554246 Sample # 7851950-71

Client: Groundwater & Environmental Services, Inc. (GES)

Project Name/#: Carroll Monrovia | Site ID #: 0402888

Project Manager: Gregory Reichart | P.O. #: 0402888-06-209

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x3717 | Quote #:

State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD

Analyses Requested / Preservation Codes

For Lab Use Only: SF #: ____ SCR #: ____

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Soil	Ground	Potable	Surface	NPDES	Water	Other:	Total # of Containers	Full Suite VOCs plus Oxygenates and Naphthalene (524.2)	Remarks
3740-BLUE-INF	4-16-15	1315	X								X		4	X	EQEDD file name:
3995-FARM-INF	4-16-15	1410	X								X		4	X	Carroll Monrovia-lab
															report #.17953.
															EQEDD.zip

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-16-15	1600	Denise Woodring	4-16-15	1600
Denise Woodring	4-17-15	12:53	[illegible]	4-17-15	1253
[illegible]	4-17-15	1615			
			[illegible]	4/17/15	1615

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 2.4 °C

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 66087

Group Number(s): 1554248

Client: GES

Carroll Monrovia

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/17/2015 16:15
Number of Packages:	1	Number of Projects:	2
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	No
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Jordan Woods (6698) at 16:40 on 04/17/2015

Samples Chilled Details: Carroll Monrovia

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	2.4	DT	Wet	Y	Bagged	N

Sample Date/Time Discrepancy Details: Carroll Monrovia

Sample ID on COC	Date/Time on Label	Comments
3994-FARM-INF	4/17/2015 08:50	

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.cor

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

April 30, 2015

Project: Carroll Monrovia

Submittal Date: 04/22/2015
Group Number: 1555441
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-11 Grab Groundwater	7857533
MW-9 Grab Groundwater	7857534
MW-16 Grab Groundwater	7857535
MW-14S Grab Groundwater	7857536
MW-10 Grab Groundwater	7857537
MW-5 Grab Groundwater	7857538

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution
ELECTRONIC COPY TO	GES	Attn: Greg Reichart

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

Sample Description: MW-11 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857533
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 10:50 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR11

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.	0.1	1
02898	Benzene	71-43-2	N.D.	0.1	1
02898	Bromobenzene	108-86-1	N.D.	0.1	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	1
02898	Bromoform	75-25-2	N.D.	0.1	1
02898	Bromomethane	74-83-9	N.D.	0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	N.D.	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	1
02898	Naphthalene	91-20-3	N.D.	0.1	1
02898	n-Propylbenzene	103-65-1	N.D.	0.1	1

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Analysis Report

Sample Description: MW-11 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857533
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 10:50 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR11

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.0	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151183AA	04/29/2015 02:12	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151183AA	04/29/2015 02:12	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 19:04	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 19:04	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113667601A	04/23/2015 08:54	Drew M Gerhart	5

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Analysis Report

Sample Description: MW-9 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857534
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 11:50 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR09

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	N.D.		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.3	J	0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-9 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857534
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 11:50 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR09

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.1	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.7		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151183AA	04/29/2015 02:34	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151183AA	04/29/2015 02:34	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 19:26	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 19:26	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113667601A	04/23/2015 09:11	Drew M Gerhart	5

Sample Description: MW-16 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857535
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 12:35 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.	0.1	1
02898	Benzene	71-43-2	N.D.	0.1	1
02898	Bromobenzene	108-86-1	N.D.	0.1	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	1
02898	Bromoform	75-25-2	N.D.	0.1	1
02898	Bromomethane	74-83-9	N.D.	0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	N.D.	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.6	0.1	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	1
02898	Naphthalene	91-20-3	N.D.	0.1	1
02898	n-Propylbenzene	103-65-1	N.D.	0.1	1

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Analysis Report

Sample Description: MW-16 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857535
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 12:35 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR16

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.2	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.6		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151183AA	04/29/2015 02:57	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151183AA	04/29/2015 02:57	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 19:48	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 19:48	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113667601A	04/23/2015 09:27	Drew M Gerhart	5

Sample Description: MW-14S Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857536
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 13:25 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR14

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.2	J	0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	0.1	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	1.2		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-14S Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857536
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 13:25 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR14

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.3	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.2		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151183AA	04/29/2015 03:19	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151183AA	04/29/2015 03:19	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 20:10	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 20:10	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113667601A	04/23/2015 09:43	Drew M Gerhart	5

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Analysis Report

Sample Description: MW-10 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857537
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 14:10 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR10

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.2	J	0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	0.2	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	1.1		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-10 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857537
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 14:10 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR10

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.3	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.1		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151183AA	04/29/2015 03:41	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151183AA	04/29/2015 03:41	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 20:32	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 20:32	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113667601A	04/23/2015 09:59	Drew M Gerhart	5

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Analysis Report

Sample Description: MW-5 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857538
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 15:10 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR05

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.2	J	0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-5 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7857538
LL Group # 1555441
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 15:10 by JP

Submitted: 04/22/2015 15:35
Reported: 04/30/2015 12:42

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	0.5	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.4	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151183AA	04/29/2015 04:04	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151183AA	04/29/2015 04:04	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 20:54	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 20:54	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113667601A	04/23/2015 10:16	Drew M Gerhart	5

Quality Control Summary

Client Name: GES, Inc. Group Number: 1555441
Reported: 04/30/2015 12:42

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C151183AA	Sample number(s): 7857533-7857538							
Acrylonitrile	N.D.	1.0	ug/l	93	103	75-133	10	30
t-Amyl methyl ether	N.D.	0.1	ug/l	98	98	80-120	0	30
Benzene	N.D.	0.1	ug/l	91	91	80-120	1	30
Bromobenzene	N.D.	0.1	ug/l	101	101	80-120	0	30
Bromochloromethane	N.D.	0.1	ug/l	108	108	80-125	0	30
Bromodichloromethane	N.D.	0.1	ug/l	95	95	80-120	1	30
Bromoform	N.D.	0.1	ug/l	100	98	64-134	2	30
Bromomethane	N.D.	0.1	ug/l	102	101	62-126	1	30
t-Butyl Alcohol	N.D.	4.0	ug/l	96	105	77-130	9	30
n-Butylbenzene	N.D.	0.1	ug/l	93	93	80-120	1	30
sec-Butylbenzene	N.D.	0.1	ug/l	94	94	80-120	0	30
tert-Butylbenzene	N.D.	0.1	ug/l	97	96	80-120	1	30
Carbon Disulfide	N.D.	0.4	ug/l	84	85	70-128	1	30
Chlorobenzene	N.D.	0.1	ug/l	95	95	80-120	0	30
Chloroethane	N.D.	0.1	ug/l	97	96	68-120	1	30
Chloroform	N.D.	0.1	ug/l	95	95	80-120	0	30
Chloromethane	N.D.	0.2	ug/l	94	93	55-125	1	30
2-Chlorotoluene	N.D.	0.1	ug/l	96	98	80-120	2	30
4-Chlorotoluene	N.D.	0.1	ug/l	95	95	80-120	1	30
1,2-Dibromo-3-chloropropane	N.D.	0.2	ug/l	97	108	72-136	11	30
Dibromochloromethane	N.D.	0.1	ug/l	100	100	80-126	0	30
1,2-Dibromoethane	N.D.	0.1	ug/l	108	107	80-120	1	30
Dibromomethane	N.D.	0.1	ug/l	102	102	80-120	0	30
trans-1,4-Dichloro-2-butene	N.D.	1.0	ug/l	65	70	14-166	7	30
1,2-Dichlorobenzene	N.D.	0.1	ug/l	99	97	80-120	1	30
1,3-Dichlorobenzene	N.D.	0.1	ug/l	97	97	80-120	1	30
1,4-Dichlorobenzene	N.D.	0.1	ug/l	97	96	80-120	1	30
Dichlorodifluoromethane	N.D.	0.1	ug/l	101	101	35-142	0	30
1,1-Dichloroethane	N.D.	0.1	ug/l	90	88	80-120	1	30
1,2-Dichloroethane	N.D.	0.1	ug/l	94	94	80-125	0	30
1,1-Dichloroethene	N.D.	0.1	ug/l	98	98	80-120	0	30
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	98	97	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	98	96	80-120	2	30
1,2-Dichloropropane	N.D.	0.1	ug/l	94	94	80-120	1	30
1,3-Dichloropropane	N.D.	0.1	ug/l	98	97	80-120	1	30
2,2-Dichloropropane	N.D.	0.1	ug/l	91	90	75-122	1	30
1,1-Dichloropropene	N.D.	0.1	ug/l	95	95	80-120	0	30
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	94	95	80-120	0	30
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	99	97	77-126	2	30
Ethyl t-butyl ether	N.D.	0.1	ug/l	93	92	76-120	1	30
Ethylbenzene	N.D.	0.1	ug/l	93	93	80-120	1	30
Hexachlorobutadiene	N.D.	0.1	ug/l	103	102	74-123	1	30
di-Isopropyl Ether	N.D.	0.1	ug/l	90	90	75-120	0	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1555441
Reported: 04/30/2015 12:42

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isopropylbenzene	N.D.	0.1	ug/l	96	95	80-120	1	30
p-Isopropyltoluene	N.D.	0.1	ug/l	95	94	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	99	99	80-120	0	30
Methylene Chloride	N.D.	0.2	ug/l	98	100	80-120	1	30
Naphthalene	N.D.	0.1	ug/l	101	102	72-120	1	30
n-Propylbenzene	N.D.	0.1	ug/l	93	93	80-120	1	30
Styrene	N.D.	0.1	ug/l	101	99	80-120	1	30
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	100	99	80-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	0.1	ug/l	98	98	80-120	0	30
Tetrachloroethene	N.D.	0.1	ug/l	101	99	80-120	1	30
Toluene	N.D.	0.1	ug/l	94	94	80-120	0	30
1,2,3-Trichlorobenzene	N.D.	0.1	ug/l	94	95	75-120	1	30
1,2,4-Trichlorobenzene	N.D.	0.1	ug/l	98	99	80-120	1	30
1,1,1-Trichloroethane	N.D.	0.1	ug/l	94	93	80-120	1	30
1,1,2-Trichloroethane	N.D.	0.1	ug/l	102	100	80-120	2	30
Trichloroethene	N.D.	0.1	ug/l	98	97	80-120	0	30
Trichlorofluoromethane	N.D.	0.1	ug/l	100	100	64-141	0	30
1,2,3-Trichloropropane	N.D.	0.3	ug/l	105	106	80-120	1	30
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	96	95	80-120	1	30
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	95	94	80-120	0	30
Vinyl Chloride	N.D.	0.1	ug/l	101	99	59-124	1	30
Xylene (Total)	N.D.	0.1	ug/l	95	95	80-120	0	30
Batch number: 15118B20A	Sample number(s): 7857533-7857538							
TPH-GRO water C6-C10	N.D.	20.	ug/l	95	95	80-129	1	30
Batch number: 15113667601A	Sample number(s): 7857533-7857538							
Nitrate Nitrogen	N.D.	0.050	mg/l	104	98	90-110	6	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 15113667601A	Sample number(s): 7857533-7857538 UNSPK: 7857533 BKG: 7857533								
Nitrate Nitrogen	98		90-110			2.0	2.0	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: C151183AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7857533	104	107	96	95
7857534	104	107	96	96
7857535	104	107	97	96

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: GES, Inc. Group Number: 1555441
Reported: 04/30/2015 12:42

Surrogate Quality Control

7857536	103	107	96	97
7857537	103	106	97	97
7857538	104	109	96	98
Blank	101	108	97	97
LCS	102	107	98	98
LCSD	101	106	97	97
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 15118B20A

	Trifluorotoluene-F
7857533	95
7857534	95
7857535	94
7857536	94
7857537	93
7857538	95
Blank	96
LCS	105
LCSD	101
Limits:	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1555441 Sample # 7857533-38

Client: Groundwater & Environmental Services, Inc. (GES)

Project Name/#: Carroll Monrovia | Site ID #: 0402888

Project Manager: Gregory Reichart | P.O. #: 0402888-06-206

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x3717 | Quote #:

State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD

For Lab Use Only: SF #: ____ SCR #: ____

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Soil	Ground	Surface	Potable	NPDES	Water	Other:	Total # of Containers	Full Suite VOCs including Oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	Nitrate Nitrogen (300.0)	Sulfate (300.0)	Ferrous Iron (SM 3500B)	Remarks
MW-11	4-21-15	1050	X								X		7	X	X	X			EQEDD file name:
MW-9	↓	1150	↓								↓		↓	↓	↓	↓			Carroll Monrovia-lab
MW-16		1235																	report #.17953.
MW-14S		1325																	EQEDD.zip
MW-10	↓	1410	↓								↓		↓	↓	↓	↓			
MW-5	4-21-15	1510	X								X		7	X	X	X			

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-22-15	0710	Denise Wooding	4-22-15	0800
Denise Wooding	4-22-15	11:05	[illegible]	4/22/15	11:05
[illegible]	4/22/15	15:30			
			[illegible]	4/22/15	1535

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 66603

Group Number(s): 1555441

Client: GES

Carroll Monrovia -206

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/22/2015 15:35
Number of Packages:	1	Number of Projects:	3
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Jordan Woods (6698) at 17:17 on 04/22/2015

Samples Chilled Details: Carroll Monrovia -206

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.1	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

April 28, 2015

Project: Carroll Monrovia

Submittal Date: 04/22/2015
Group Number: 1555442
PO Number: 0402888-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3998-FARM-INF Grab Potable Water	7857539
3996-FARM-EFF Grab Potable Water	7857540
3996-FARM-MID2 Grab Potable Water	7857541
3996-FARM-INF Grab Potable Water	7857542
3989-FARM-INF Grab Potable Water	7857543

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution
ELECTRONIC COPY TO	GES	Attn: Greg Reichart

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

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Analysis Report

Sample Description: 3998-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7857539
LL Group # 1555442
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 09:10 by JP

Submitted: 04/22/2015 15:35
Reported: 04/28/2015 14:32

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3998I

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151161AA	04/26/2015 13:40	Jason M Long	1

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Analysis Report

Sample Description: 3996-FARM-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7857540
LL Group # 1555442
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 16:25 by JP

Submitted: 04/22/2015 15:35
Reported: 04/28/2015 14:32

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3996E

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	0.2	J	0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	3.9	J	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	0.2	J	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	13		0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.1	J	0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151161AA	04/26/2015 14:07	Jason M Long	1

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Analysis Report

Sample Description: 3996-FARM-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7857541
LL Group # 1555442
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 16:30 by JP

Submitted: 04/22/2015 15:35
Reported: 04/28/2015 14:32

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3996M

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151161AA	04/26/2015 14:34	Jason M Long	1

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Analysis Report

Sample Description: 3996-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7857542
LL Group # 1555442
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 16:35 by JP

Submitted: 04/22/2015 15:35
Reported: 04/28/2015 14:32

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3996I

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151161AA	04/26/2015 15:01	Jason M Long	1

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Analysis Report

Sample Description: 3989-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7857543
LL Group # 1555442
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/21/2015 17:25 by JP

Submitted: 04/22/2015 15:35
Reported: 04/28/2015 14:32

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

3989I

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151161AA	04/26/2015 15:28	Jason M Long	1

Quality Control Summary

Client Name: GES, Inc. Group Number: 1555442
Reported: 04/28/2015 14:32

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S151161AA	Sample number(s): 7857539-7857543							
t-Amyl Methyl Ether	N.D.	0.1	ug/l	92		70-130		
Benzene	N.D.	0.1	ug/l	97		70-130		
t-Butyl Alcohol	N.D.	2.5	ug/l	92		70-130		
Carbon Tetrachloride	N.D.	0.1	ug/l	103		70-130		
Chlorobenzene	N.D.	0.1	ug/l	96		70-130		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	95		70-130		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	96		70-130		
1,2-Dichloroethane	N.D.	0.1	ug/l	95		70-130		
1,1-Dichloroethene	N.D.	0.1	ug/l	97		70-130		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	100		70-130		
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	103		70-130		
1,2-Dichloropropane	N.D.	0.1	ug/l	96		70-130		
Ethyl t-Butyl Ether	N.D.	0.1	ug/l	92		70-130		
Ethylbenzene	N.D.	0.1	ug/l	100		70-130		
di-Isopropyl Ether	N.D.	0.1	ug/l	101		70-130		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	96		70-130		
Methylene Chloride	N.D.	0.3	ug/l	100		70-130		
Naphthalene	N.D.	0.2	ug/l	87		70-130		
Styrene	N.D.	0.1	ug/l	101		70-130		
Tetrachloroethene	N.D.	0.1	ug/l	93		70-130		
Toluene	N.D.	0.1	ug/l	100		70-130		
1,2,4-Trichlorobenzene	N.D.	0.2	ug/l	97		70-130		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	98		70-130		
1,1,2-Trichloroethane	N.D.	0.1	ug/l	95		70-130		
Trichloroethene	N.D.	0.1	ug/l	99		70-130		
Vinyl Chloride	N.D.	0.1	ug/l	99		70-130		
Xylene (Total)	N.D.	0.1	ug/l	102		70-130		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 524.2
Batch number: S151161AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
7857539	84	86

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: GES, Inc. Group Number: 1555442
Reported: 04/28/2015 14:32

Surrogate Quality Control

7857540	84	85
7857541	87	89
7857542	83	88
7857543	87	90
Blank	88	89
LCS	101	98
Limits:	80-120	80-120

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1555442 Sample # 7857539-43

Client: Groundwater & Environmental Services, Inc. (GES)

Project Name/#: Carroll Monrovia | Site ID #: 0402888

Project Manager: Gregory Reichart | P.O. #: 0402888-06-~~206~~ 209

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x3717 | Quote #:

State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD

For Lab Use Only: SF #: ____ SCR #: ____

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Soil	Ground Water	Surface Water	Potable Water	NPDES Water	Other:	Total # of Containers	Full Suite VOCs including Oxygenates and Naphthalene (524.2)	TPH-GRO (8015B)	Nitrate Nitrogen (300.0)	Sulfate (300.0)	Ferrous Iron (SM 3500B)	Remarks
3998-FARM-INF	4-21-15	0910	X				X					4	X					EQEDD file name:
3996-FARM-EFF	↓	1625	↓				↓					↓	↓					Carroll Monrovia-lab
3996-FARM-MID2		1630																report #.17953.
3996-FARM-INF		1635																EQEDD.zip
3989-FARM-INF	4-21-15	1725	X				X					4	X					

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-22-15	0710	Denise Wadling	4-22-15	0800
Denise Wadling	4-22-15	11:05	[illegible]	4/22/15	11:05
[illegible]	4/22/15	15:30			
			[illegible]	4/22/15	1535

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 66603

Group Number(s): 1555442

Client: GES

Carroll Monrovia -209

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/22/2015 15:35
Number of Packages:	1	Number of Projects:	3
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Jordan Woods (6698) at 17:17 on 04/22/2015

Samples Chilled Details: Carroll Monrovia -209

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.1	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425

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www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

May 08, 2015

Project: Carroll Monrovia

Submittal Date: 04/23/2015
Group Number: 1555781
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-13 Grab Groundwater	7859460
MW-7 Grab Groundwater	7859461
MW-18D Grab Groundwater	7859462
MW-15D Grab Groundwater	7859463
MW-18S-R Grab Groundwater	7859464
MW-18S Grab Groundwater	7859465

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES	Attn: Greg Reichart
ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

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Analysis Report

Sample Description: MW-13 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859460
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 09:30 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR13

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.7		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	0.2	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	5.7		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-13 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859460
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 09:30 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.7	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 16:18	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151191AA	04/29/2015 16:18	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 22:00	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 22:00	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113495601A	04/23/2015 23:19	James S Mathiot	5

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Analysis Report

Sample Description: MW-7 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859461
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 10:25 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR07

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	0.1	J	0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	1.0		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	3.0		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.4		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-7 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859461
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 10:25 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.9	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 16:40	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151191AA	04/29/2015 16:40	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15118B20A	04/29/2015 22:22	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15118B20A	04/29/2015 22:22	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113495601A	04/24/2015 00:08	James S Mathiot	5

Sample Description: MW-18D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859462
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 11:35 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.	0.1	1
02898	Benzene	71-43-2	N.D.	0.1	1
02898	Bromobenzene	108-86-1	N.D.	0.1	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	1
02898	Bromoform	75-25-2	N.D.	0.1	1
02898	Bromomethane	74-83-9	N.D.	0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	N.D.	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.8	0.1	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	1
02898	Naphthalene	91-20-3	N.D.	0.1	1
02898	n-Propylbenzene	103-65-1	N.D.	0.1	1

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Analysis Report

Sample Description: MW-18D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859462
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 11:35 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 17:03	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151191AA	04/29/2015 17:03	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15119A53A	04/29/2015 19:57	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15119A53A	04/29/2015 19:57	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113495601A	04/24/2015 00:24	James S Mathiot	5

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Analysis Report

Sample Description: MW-15D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859463
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 12:45 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR15

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.5		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	0.4	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.5	J	0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-15D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859463
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 12:45 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.4	0.25	5

This sample was originally analyzed within the 48 hour holding time, however at a 5X dilution it was over range with a result of 37 mg/l. Sample was then repeated outside of hold at a higher dilution (20X) which had a result of 3.1. Results did not compare to each other so the sample was then analyzed a third time. It appeared that the first trial may have been contaminated. We are reporting the out of hold third trial per client request.

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 17:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151191AA	04/29/2015 17:25	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15119A53A	04/29/2015 20:25	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15119A53A	04/29/2015 20:25	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113495601A	04/24/2015 14:23	Drew M Gerhart	5

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Analysis Report

Sample Description: MW-18S-R Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859464
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 14:15 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

M18SR

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	2.0	2
02898	t-Amyl methyl ether	994-05-8	7.1	0.2	2
02898	Benzene	71-43-2	N.D.	0.2	2
02898	Bromobenzene	108-86-1	N.D.	0.2	2
02898	Bromochloromethane	74-97-5	N.D.	0.2	2
02898	Bromodichloromethane	75-27-4	N.D.	0.2	2
02898	Bromoform	75-25-2	N.D.	0.2	2
02898	Bromomethane	74-83-9	N.D.	0.2	2
02898	t-Butyl Alcohol	75-65-0	170	8.0	2
02898	n-Butylbenzene	104-51-8	N.D.	0.2	2
02898	sec-Butylbenzene	135-98-8	N.D.	0.2	2
02898	tert-Butylbenzene	98-06-6	N.D.	0.2	2
02898	Carbon Disulfide	75-15-0	N.D.	0.8	2
02898	Chlorobenzene	108-90-7	N.D.	0.2	2
02898	Chloroethane	75-00-3	N.D.	0.2	2
02898	Chloroform	67-66-3	1.2	0.2	2
02898	Chloromethane	74-87-3	N.D.	0.4	2
02898	2-Chlorotoluene	95-49-8	N.D.	0.2	2
02898	4-Chlorotoluene	106-43-4	N.D.	0.2	2
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	2
02898	Dibromochloromethane	124-48-1	N.D.	0.2	2
02898	1,2-Dibromoethane	106-93-4	N.D.	0.2	2
02898	Dibromomethane	74-95-3	N.D.	0.2	2
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	2.0	2
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.2	2
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.2	2
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.2	2
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.2	2
02898	1,1-Dichloroethane	75-34-3	N.D.	0.2	2
02898	1,2-Dichloroethane	107-06-2	N.D.	0.2	2
02898	1,1-Dichloroethene	75-35-4	N.D.	0.2	2
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.2	2
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.2	2
02898	1,2-Dichloropropane	78-87-5	N.D.	0.2	2
02898	1,3-Dichloropropane	142-28-9	N.D.	0.2	2
02898	2,2-Dichloropropane	594-20-7	N.D.	0.2	2
02898	1,1-Dichloropropene	563-58-6	N.D.	0.2	2
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.2	2
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.2	2
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.2	2
02898	Ethylbenzene	100-41-4	N.D.	0.2	2
02898	Hexachlorobutadiene	87-68-3	N.D.	0.2	2
02898	di-Isopropyl Ether	108-20-3	16	0.2	2
02898	Isopropylbenzene	98-82-8	N.D.	0.2	2
02898	p-Isopropyltoluene	99-87-6	N.D.	0.2	2
02898	Methyl Tertiary Butyl Ether	1634-04-4	390	2.0	20
02898	Methylene Chloride	75-09-2	N.D.	0.4	2
02898	Naphthalene	91-20-3	N.D.	0.2	2
02898	n-Propylbenzene	103-65-1	N.D.	0.2	2

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Analysis Report

Sample Description: MW-18S-R Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859464
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 14:15 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

M18SR

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.2	2
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.2	2
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.2	2
02898	Tetrachloroethene	127-18-4	N.D.	0.2	2
02898	Toluene	108-88-3	N.D.	0.2	2
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	2
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	2
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.2	2
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.2	2
02898	Trichloroethene	79-01-6	N.D.	0.2	2
02898	Trichlorofluoromethane	75-69-4	N.D.	0.2	2
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.6	2
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	2
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	2
02898	Vinyl Chloride	75-01-4	N.D.	0.2	2
02898	Xylene (Total)	1330-20-7	N.D.	0.2	2
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	440	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.9	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 17:47	Kerri E Legerlotz	2
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 18:10	Kerri E Legerlotz	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151191AA	04/29/2015 17:47	Kerri E Legerlotz	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C151191AA	04/29/2015 18:10	Kerri E Legerlotz	20
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15119A53A	04/29/2015 20:53	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15119A53A	04/29/2015 20:53	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113495601A	04/24/2015 00:57	James S Mathiot	5

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Analysis Report

Sample Description: MW-18S Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859465
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 15:25 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MV18S

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	0.3	J	0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	N.D.		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	1.8		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	19		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-18S Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7859465
LL Group # 1555781
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/22/2015 15:25 by JP

Submitted: 04/23/2015 15:50
Reported: 05/08/2015 06:55

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MV18S

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	1
02898	Toluene	108-88-3	1		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	24	J	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.4		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151191AA	04/29/2015 18:32	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151191AA	04/29/2015 18:32	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15119A53A	04/29/2015 21:21	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15119A53A	04/29/2015 21:21	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15113495601A	04/24/2015 01:13	James S Mathiot	5

Quality Control Summary

Client Name: GES, Inc. Group Number: 1555781
Reported: 05/08/2015 06:55

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C151191AA	Sample number(s): 7859460-7859465							
Acrylonitrile	N.D.	1.0	ug/l	98	115	75-133	16	30
t-Amyl methyl ether	N.D.	0.1	ug/l	102	102	80-120	0	30
Benzene	N.D.	0.1	ug/l	99	95	80-120	4	30
Bromobenzene	N.D.	0.1	ug/l	106	103	80-120	3	30
Bromochloromethane	N.D.	0.1	ug/l	114	112	80-125	2	30
Bromodichloromethane	N.D.	0.1	ug/l	102	101	80-120	1	30
Bromoform	N.D.	0.1	ug/l	93	90	64-134	3	30
Bromomethane	N.D.	0.1	ug/l	105	101	62-126	4	30
t-Butyl Alcohol	N.D.	4.0	ug/l	99	115	77-130	15	30
n-Butylbenzene	N.D.	0.1	ug/l	96	93	80-120	3	30
sec-Butylbenzene	N.D.	0.1	ug/l	98	94	80-120	4	30
tert-Butylbenzene	N.D.	0.1	ug/l	102	97	80-120	5	30
Carbon Disulfide	N.D.	0.4	ug/l	85	80	70-128	5	30
Chlorobenzene	N.D.	0.1	ug/l	103	100	80-120	3	30
Chloroethane	N.D.	0.1	ug/l	97	93	68-120	4	30
Chloroform	N.D.	0.1	ug/l	106	102	80-120	4	30
Chloromethane	N.D.	0.2	ug/l	97	93	55-125	5	30
2-Chlorotoluene	N.D.	0.1	ug/l	101	98	80-120	3	30
4-Chlorotoluene	N.D.	0.1	ug/l	100	98	80-120	3	30
1,2-Dibromo-3-chloropropane	N.D.	0.2	ug/l	103	111	72-136	7	30
Dibromochloromethane	N.D.	0.1	ug/l	103	101	80-126	2	30
1,2-Dibromoethane	N.D.	0.1	ug/l	114	113	80-120	1	30
Dibromomethane	N.D.	0.1	ug/l	110	109	80-120	1	30
trans-1,4-Dichloro-2-butene	N.D.	1.0	ug/l	55	59	14-166	6	30
1,2-Dichlorobenzene	N.D.	0.1	ug/l	101	99	80-120	2	30
1,3-Dichlorobenzene	N.D.	0.1	ug/l	101	98	80-120	3	30
1,4-Dichlorobenzene	N.D.	0.1	ug/l	100	98	80-120	2	30
Dichlorodifluoromethane	N.D.	0.1	ug/l	121	115	35-142	6	30
1,1-Dichloroethane	N.D.	0.1	ug/l	97	92	80-120	4	30
1,2-Dichloroethane	N.D.	0.1	ug/l	104	103	80-125	1	30
1,1-Dichloroethene	N.D.	0.1	ug/l	104	102	80-120	3	30
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	106	103	80-120	3	30
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	105	102	80-120	4	30
1,2-Dichloropropane	N.D.	0.1	ug/l	100	99	80-120	2	30
1,3-Dichloropropane	N.D.	0.1	ug/l	102	102	80-120	0	30
2,2-Dichloropropane	N.D.	0.1	ug/l	102	96	75-122	5	30
1,1-Dichloropropene	N.D.	0.1	ug/l	105	101	80-120	5	30
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	102	101	80-120	1	30
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	106	102	77-126	3	30
Ethyl t-butyl ether	N.D.	0.1	ug/l	97	97	76-120	0	30
Ethylbenzene	N.D.	0.1	ug/l	100	96	80-120	4	30
Hexachlorobutadiene	N.D.	0.1	ug/l	111	103	74-123	7	30
di-Isopropyl Ether	N.D.	0.1	ug/l	94	93	75-120	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1555781
Reported: 05/08/2015 06:55

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isopropylbenzene	N.D.	0.1	ug/l	103	98	80-120	4	30
p-Isopropyltoluene	N.D.	0.1	ug/l	97	94	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	105	105	80-120	0	30
Methylene Chloride	N.D.	0.2	ug/l	103	101	80-120	2	30
Naphthalene	N.D.	0.1	ug/l	101	99	72-120	2	30
n-Propylbenzene	N.D.	0.1	ug/l	96	93	80-120	3	30
Styrene	N.D.	0.1	ug/l	108	104	80-120	3	30
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	109	104	80-120	5	30
1,1,2,2-Tetrachloroethane	N.D.	0.1	ug/l	96	95	80-120	1	30
Tetrachloroethene	N.D.	0.1	ug/l	112	107	80-120	4	30
Toluene	N.D.	0.1	ug/l	100	96	80-120	4	30
1,2,3-Trichlorobenzene	N.D.	0.1	ug/l	97	95	75-120	2	30
1,2,4-Trichlorobenzene	N.D.	0.1	ug/l	101	99	80-120	2	30
1,1,1-Trichloroethane	N.D.	0.1	ug/l	104	100	80-120	3	30
1,1,2-Trichloroethane	N.D.	0.1	ug/l	108	107	80-120	2	30
Trichloroethene	N.D.	0.1	ug/l	109	105	80-120	4	30
Trichlorofluoromethane	N.D.	0.1	ug/l	109	100	64-141	9	30
1,2,3-Trichloropropane	N.D.	0.3	ug/l	106	108	80-120	1	30
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	98	96	80-120	3	30
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	98	95	80-120	4	30
Vinyl Chloride	N.D.	0.1	ug/l	104	98	59-124	6	30
Xylene (Total)	N.D.	0.1	ug/l	102	99	80-120	3	30
Batch number: 15118B20A	Sample number(s): 7859460-7859461							
TPH-GRO water C6-C10	N.D.	20.	ug/l	95	95	80-129	1	30
Batch number: 15119A53A	Sample number(s): 7859462-7859465							
TPH-GRO water C6-C10	N.D.	20.	ug/l	96		80-129		
Batch number: 15113495601A	Sample number(s): 7859460-7859465							
Nitrate Nitrogen	N.D.	0.050	mg/l	98		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 15119A53A	Sample number(s): 7859462-7859465 UNSPK: P864009								
TPH-GRO water C6-C10	96	93	75-135	1	30				
Batch number: 15113495601A	Sample number(s): 7859460-7859465 UNSPK: 7859460 BKG: 7859460								
Nitrate Nitrogen	86*		90-110			3.7	3.8	1	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1555781
Reported: 05/08/2015 06:55

Surrogate Quality Control

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: C151191AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7859460	105	108	95	95
7859461	105	107	96	97
7859462	106	106	96	95
7859463	105	107	97	96
7859464	105	106	96	97
7859465	105	109	96	96
Blank	104	104	97	97
LCS	104	104	97	98
LCSD	103	103	97	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 15118B20A

	Trifluorotoluene-F
7859460	95
7859461	94
Blank	96
LCS	105
LCSD	101
Limits:	63-135

Analysis Name: TPH-GRO water C6-C10
Batch number: 15119A53A

	Trifluorotoluene-F
7859462	98
7859463	95
7859464	101
7859465	96
Blank	98
LCS	109
MS	160*
MSD	159*
Limits:	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1555781 Sample # 78594460-65

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Gregory Reichart	P.O. #: 0402888-06-206
Sampler: Jeff Plummer	PWSID #:
Phone #: 800-220-3606 x3717	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

For Lab Use Only
SF #:
SCR #:

Matrix: Sediment ☐ Ground ☒ Surface ☐ Soil ☐ Potable ☐ NPDES ☐ Water ☒ Other:

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Total # of Containers	Full Suite VOCs including Oxygenates and 12-butanediol (8260)	TPH-GRO (8015B)	Nitrate Nitrogen (300.0)	Sulfate (300.0)	Ferrous Iron (SM 3500B)	Remarks
MW-13	4-22-15	0930	X		7	X	X	X			EQEDD file name:
MW-7	↓	1025	↓		7	X	X	X			Carroll Monrovia-lab
MW-18D		1135			7	X	X	X			report #.17953.
MW-15D		1245			7	X	X	X			EQEDD.zip
MW-18S-R		1415			7	X	X	X			
MW-18S	4-22-15	1525	X		7	X	X	X			

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐
Type III (Reduced non-CLP) ☐ CT RCP ☐
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐
NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-22-15	1715	Denise Wendling	4-23-15	0800
Denise Wendling	4-23-15	1330	[illegible]	4/23/15	1330
[illegible]	4/23/15	1550			
			[illegible]	4/23/15	1550

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 1.0 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 66779

Group Number(s): 1555781

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/23/2015 15:50
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Jordan Woods (6698) at 16:26 on 04/23/2015

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.0	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T 717-656-2300
F 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

May 05, 2015

Project: Carroll Monrovia

Submittal Date: 04/24/2015
Group Number: 1556162
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-17 Grab Groundwater	7861542
MW-14D Grab Groundwater	7861543

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution
ELECTRONIC COPY TO	GES	Attn: Greg Reichart

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: MW-17 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861542
LL Group # 1556162
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/24/2015 10:20 by LK

Submitted: 04/24/2015 16:38
Reported: 05/05/2015 16:28

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR17

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	4.9	J	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.6		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	3.5		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.2		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-17 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861542
LL Group # 1556162
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/24/2015 10:20 by LK

Submitted: 04/24/2015 16:38
Reported: 05/05/2015 16:28

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.3	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 12:21	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 12:21	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 15:30	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 15:30	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 11:10	Drew M Gerhart	5

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Analysis Report

Sample Description: MW-14D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861543
LL Group # 1556162
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/24/2015 12:30 by LK

Submitted: 04/24/2015 16:38
Reported: 05/05/2015 16:28

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MV14D

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	0.6		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	10		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	0.7	J	0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	N.D.		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	2.8		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	75		1.0	10
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-14D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861543
LL Group # 1556162
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/24/2015 12:30 by LK

Submitted: 04/24/2015 16:38
Reported: 05/05/2015 16:28

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MV14D

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	79	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	5
00228	Sulfate	14808-79-8	41.1	1.5	5
	SM 3500-Fe B modified-1997		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	0.10	0.010	1

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 12:43	Kerri E Legerlotz	1
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 13:06	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 12:43	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C151211AA	05/01/2015 13:06	Kerri E Legerlotz	10
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 16:26	Brett W Kenyon	1

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Analysis Report

Sample Description: MW-14D Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861543
LL Group # 1556162
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/24/2015 12:30 by LK

Submitted: 04/24/2015 16:38
Reported: 05/05/2015 16:28

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MV14D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 16:26	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 11:27	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	15115667901A	04/25/2015 11:27	Drew M Gerhart	5
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	15120834401A	04/30/2015 00:10	Daniel S Smith	1

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556162
Reported: 05/05/2015 16:28

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C151211AA	Sample number(s): 7861542-7861543							
Acrylonitrile	N.D.	1.0	ug/l	103	106	75-133	3	30
t-Amyl methyl ether	N.D.	0.1	ug/l	102	103	80-120	1	30
Benzene	N.D.	0.1	ug/l	98	97	80-120	2	30
Bromobenzene	N.D.	0.1	ug/l	106	103	80-120	3	30
Bromochloromethane	N.D.	0.1	ug/l	117	115	80-125	1	30
Bromodichloromethane	N.D.	0.1	ug/l	109	108	80-120	1	30
Bromoform	N.D.	0.1	ug/l	123	119	64-134	3	30
Bromomethane	N.D.	0.1	ug/l	101	100	62-126	0	30
t-Butyl Alcohol	N.D.	4.0	ug/l	118	121	77-130	3	30
n-Butylbenzene	N.D.	0.1	ug/l	97	93	80-120	4	30
sec-Butylbenzene	N.D.	0.1	ug/l	98	94	80-120	4	30
tert-Butylbenzene	N.D.	0.1	ug/l	102	98	80-120	4	30
Carbon Disulfide	N.D.	0.4	ug/l	96	94	70-128	2	30
Chlorobenzene	N.D.	0.1	ug/l	103	101	80-120	2	30
Chloroethane	N.D.	0.1	ug/l	94	92	68-120	2	30
Chloroform	N.D.	0.1	ug/l	107	103	80-120	4	30
Chloromethane	N.D.	0.2	ug/l	89	89	55-125	0	30
2-Chlorotoluene	N.D.	0.1	ug/l	101	99	80-120	2	30
4-Chlorotoluene	N.D.	0.1	ug/l	103	99	80-120	4	30
1,2-Dibromo-3-chloropropane	N.D.	0.2	ug/l	113	111	72-136	2	30
Dibromochloromethane	N.D.	0.1	ug/l	117	115	80-126	2	30
1,2-Dibromoethane	N.D.	0.1	ug/l	115	114	80-120	1	30
Dibromomethane	N.D.	0.1	ug/l	116	114	80-120	2	30
trans-1,4-Dichloro-2-butene	N.D.	1.0	ug/l	90	95	14-166	5	30
1,2-Dichlorobenzene	N.D.	0.1	ug/l	104	101	80-120	3	30
1,3-Dichlorobenzene	N.D.	0.1	ug/l	102	101	80-120	2	30
1,4-Dichlorobenzene	N.D.	0.1	ug/l	103	100	80-120	3	30
Dichlorodifluoromethane	N.D.	0.1	ug/l	108	107	35-142	1	30
1,1-Dichloroethane	N.D.	0.1	ug/l	96	95	80-120	1	30
1,2-Dichloroethane	N.D.	0.1	ug/l	107	106	80-125	1	30
1,1-Dichloroethene	N.D.	0.1	ug/l	107	104	80-120	3	30
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	108	103	80-120	4	30
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	107	103	80-120	3	30
1,2-Dichloropropane	N.D.	0.1	ug/l	101	99	80-120	1	30
1,3-Dichloropropane	N.D.	0.1	ug/l	103	102	80-120	1	30
2,2-Dichloropropane	N.D.	0.1	ug/l	103	100	75-122	3	30
1,1-Dichloropropene	N.D.	0.1	ug/l	105	101	80-120	3	30
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	106	106	80-120	0	30
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	108	110	77-126	2	30
Ethyl t-butyl ether	N.D.	0.1	ug/l	95	96	76-120	1	30
Ethylbenzene	N.D.	0.1	ug/l	100	97	80-120	3	30
Hexachlorobutadiene	N.D.	0.1	ug/l	112	106	74-123	5	30
di-Isopropyl Ether	N.D.	0.1	ug/l	91	91	75-120	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556162
Reported: 05/05/2015 16:28

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isopropylbenzene	N.D.	0.1	ug/l	103	100	80-120	3	30
p-Isopropyltoluene	N.D.	0.1	ug/l	98	96	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	103	105	80-120	1	30
Methylene Chloride	N.D.	0.2	ug/l	105	103	80-120	2	30
Naphthalene	N.D.	0.1	ug/l	103	102	72-120	2	30
n-Propylbenzene	N.D.	0.1	ug/l	95	93	80-120	3	30
Styrene	N.D.	0.1	ug/l	107	105	80-120	1	30
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	111	110	80-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	0.1	ug/l	98	97	80-120	0	30
Tetrachloroethene	N.D.	0.1	ug/l	112	105	80-120	6	30
Toluene	N.D.	0.1	ug/l	99	98	80-120	2	30
1,2,3-Trichlorobenzene	N.D.	0.1	ug/l	101	98	75-120	3	30
1,2,4-Trichlorobenzene	N.D.	0.1	ug/l	105	102	80-120	3	30
1,1,1-Trichloroethane	N.D.	0.1	ug/l	107	103	80-120	3	30
1,1,2-Trichloroethane	N.D.	0.1	ug/l	109	107	80-120	2	30
Trichloroethene	N.D.	0.1	ug/l	107	103	80-120	3	30
Trichlorofluoromethane	N.D.	0.1	ug/l	109	103	64-141	6	30
1,2,3-Trichloropropane	N.D.	0.3	ug/l	111	109	80-120	1	30
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	98	97	80-120	2	30
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	98	95	80-120	3	30
Vinyl Chloride	N.D.	0.1	ug/l	95	96	59-124	1	30
Xylene (Total)	N.D.	0.1	ug/l	103	101	80-120	2	30
Batch number: 15121A20A	Sample number(s): 7861542-7861543							
TPH-GRO water C6-C10	N.D.	20.	ug/l	92		80-129		
Batch number: 15115667901A	Sample number(s): 7861542-7861543							
Nitrate Nitrogen	N.D.	0.050	mg/l	102	101	90-110	1	20
Sulfate	N.D.	0.30	mg/l	97	98	90-110	1	20
Batch number: 15120834401A	Sample number(s): 7861543							
Ferrous Iron	N.D.	0.010	mg/l	101		93-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 15121A20A	Sample number(s): 7861542-7861543 UNSPK: P866013								
TPH-GRO water C6-C10	106	105	75-135	0	30				
Batch number: 15115667901A	Sample number(s): 7861542-7861543 UNSPK: P861545 BKG: P861545								
Nitrate Nitrogen	102		90-110			1.9	2.0	2 (1)	20
Sulfate	94		90-110			N.D.	N.D.	0 (1)	20
Batch number: 15120834401A	Sample number(s): 7861543 UNSPK: P861617 BKG: P861617								
Ferrous Iron	95	94	93-105	1	6	20.8	20.3	2 (1)	5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556162
Reported: 05/05/2015 16:28

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: C151211AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7861542	108	108	96	96
7861543	106	107	95	95
Blank	107	108	95	96
LCS	105	108	97	99
LCSD	106	109	97	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 15121A20A

	Trifluorotoluene-F
7861542	115
7861543	117
Blank	119
LCS	126
MS	122
MSD	121
Limits:	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1556162 Sample # 7861542-013

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Gregory Reichart	P.O. #: 0402888-06-206
Sampler: Lindsay Keeney	PWSID #:
Phone #: 800-220-3606 x3717	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Soil	Ground Water	Surface Water	Potable Water	NPDES Water	Other:	Total # of Containers	Full Suite VOCs including Oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	Nitrate Nitrogen (300.0)	Sulfate (300.0)	Ferrous Iron (SM 3500B)	Remarks
MW-17	4-24-15	1020	✓				✓					7	✓	✓	✓			EQEDD file name:
MW-14D	4-24-15	1230	✓				✓					8	✓	✓	✓	✓	✓	Carroll Monrovia-lab
																		report #.17953.
																		EQEDD.zip

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐
Type III (Reduced non-CLP) ☐ CT RCP ☐
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐
NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	4-24-15	1354	Denise Nadin	4-24-15	13:55
Denise Nadin	4-24-15	1400	[signature]	4-24-15	1400
[signature]	4-24-15	1638			
			[signature]	4/24/15	1638

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 0.4 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 66949

Group Number(s): 1556162

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/24/2015 16:38
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Patrick Engle (3472) at 16:51 on 04/24/2015

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.4	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

May 07, 2015

Project: Carroll Monrovia

Submittal Date: 04/24/2015
Group Number: 1556163
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-12 Grab Groundwater	7861544
MW-8 Grab Groundwater	7861545
MW-1 Grab Groundwater	7861546
MW-6 Grab Groundwater	7861547
MW-4 Grab Groundwater	7861548
MW-2 Grab Groundwater	7861549

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES	Attn: Greg Reichart
ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution

Respectfully Submitted,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

Sample Description: MW-12 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861544
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 09:50 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.	0.1	1
02898	Benzene	71-43-2	N.D.	0.1	1
02898	Bromobenzene	108-86-1	N.D.	0.1	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	1
02898	Bromoform	75-25-2	N.D.	0.1	1
02898	Bromomethane	74-83-9	N.D.	0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	N.D.	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	1
02898	Naphthalene	91-20-3	N.D.	0.1	1
02898	n-Propylbenzene	103-65-1	N.D.	0.1	1

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Analysis Report

Sample Description: MW-12 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861544
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 09:50 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.3	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 13:28	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 13:28	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 16:54	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 16:54	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 08:57	Drew M Gerhart	5

Sample Description: MW-8 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861545
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 11:00 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR08

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.5		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	0.4	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	1.4		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Lancaster Laboratories Environmental
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Analysis Report

Sample Description: MW-8 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861545
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 11:00 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	1.9	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 13:50	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 13:50	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 17:22	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 17:22	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 09:13	Drew M Gerhart	5

Sample Description: MW-1 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861546
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 12:00 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.	0.1	1
02898	Benzene	71-43-2	N.D.	0.1	1
02898	Bromobenzene	108-86-1	N.D.	0.1	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	1
02898	Bromoform	75-25-2	N.D.	0.1	1
02898	Bromomethane	74-83-9	N.D.	0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	0.7	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.7	0.1	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	1
02898	Naphthalene	91-20-3	N.D.	0.1	1
02898	n-Propylbenzene	103-65-1	N.D.	0.1	1

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Analysis Report

Sample Description: MW-1 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861546
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 12:00 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.4	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 14:13	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 14:13	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 17:49	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 17:49	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 09:30	Drew M Gerhart	5

Sample Description: MW-6 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861547
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 12:40 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR06

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	N.D.		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.2	J	0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-6 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861547
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 12:40 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	4.6	0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 14:35	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 14:35	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 18:17	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 18:17	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 09:47	Drew M Gerhart	5

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Analysis Report

Sample Description: MW-4 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861548
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 13:15 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR04

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	N.D.		0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.2	J	0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-4 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861548
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 13:15 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR04

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.1	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	5.1		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151211AA	05/01/2015 14:57	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151211AA	05/01/2015 14:57	Kerri E Legerlotz	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 18:45	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 18:45	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 10:03	Drew M Gerhart	5

Sample Description: MW-2 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861549
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 13:45 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR02

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.1	J	0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

Sample Description: MW-2 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 7861549
LL Group # 1556163
Account # 08390

Project Name: Carroll Monrovia

Collected: 04/23/2015 13:45 by JP

Submitted: 04/24/2015 16:38
Reported: 05/07/2015 15:23

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

MVR02

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.4	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.7		0.25	5

General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C151242AA	05/05/2015 07:19	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C151242AA	05/05/2015 07:19	Sara E Johnson	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	15121A20A	05/01/2015 19:13	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15121A20A	05/01/2015 19:13	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	15115667901A	04/25/2015 10:20	Drew M Gerhart	5

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556163
Reported: 05/07/2015 15:23

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C151211AA	Sample number(s): 7861544-7861548							
Acrylonitrile	N.D.	1.0	ug/l	103	106	75-133	3	30
t-Amyl methyl ether	N.D.	0.1	ug/l	102	103	80-120	1	30
Benzene	N.D.	0.1	ug/l	98	97	80-120	2	30
Bromobenzene	N.D.	0.1	ug/l	106	103	80-120	3	30
Bromochloromethane	N.D.	0.1	ug/l	117	115	80-125	1	30
Bromodichloromethane	N.D.	0.1	ug/l	109	108	80-120	1	30
Bromoform	N.D.	0.1	ug/l	123	119	64-134	3	30
Bromomethane	N.D.	0.1	ug/l	101	100	62-126	0	30
t-Butyl Alcohol	N.D.	4.0	ug/l	118	121	77-130	3	30
n-Butylbenzene	N.D.	0.1	ug/l	97	93	80-120	4	30
sec-Butylbenzene	N.D.	0.1	ug/l	98	94	80-120	4	30
tert-Butylbenzene	N.D.	0.1	ug/l	102	98	80-120	4	30
Carbon Disulfide	N.D.	0.4	ug/l	96	94	70-128	2	30
Chlorobenzene	N.D.	0.1	ug/l	103	101	80-120	2	30
Chloroethane	N.D.	0.1	ug/l	94	92	68-120	2	30
Chloroform	N.D.	0.1	ug/l	107	103	80-120	4	30
Chloromethane	N.D.	0.2	ug/l	89	89	55-125	0	30
2-Chlorotoluene	N.D.	0.1	ug/l	101	99	80-120	2	30
4-Chlorotoluene	N.D.	0.1	ug/l	103	99	80-120	4	30
1,2-Dibromo-3-chloropropane	N.D.	0.2	ug/l	113	111	72-136	2	30
Dibromochloromethane	N.D.	0.1	ug/l	117	115	80-126	2	30
1,2-Dibromoethane	N.D.	0.1	ug/l	115	114	80-120	1	30
Dibromomethane	N.D.	0.1	ug/l	116	114	80-120	2	30
trans-1,4-Dichloro-2-butene	N.D.	1.0	ug/l	90	95	14-166	5	30
1,2-Dichlorobenzene	N.D.	0.1	ug/l	104	101	80-120	3	30
1,3-Dichlorobenzene	N.D.	0.1	ug/l	102	101	80-120	2	30
1,4-Dichlorobenzene	N.D.	0.1	ug/l	103	100	80-120	3	30
Dichlorodifluoromethane	N.D.	0.1	ug/l	108	107	35-142	1	30
1,1-Dichloroethane	N.D.	0.1	ug/l	96	95	80-120	1	30
1,2-Dichloroethane	N.D.	0.1	ug/l	107	106	80-125	1	30
1,1-Dichloroethene	N.D.	0.1	ug/l	107	104	80-120	3	30
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	108	103	80-120	4	30
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	107	103	80-120	3	30
1,2-Dichloropropane	N.D.	0.1	ug/l	101	99	80-120	1	30
1,3-Dichloropropane	N.D.	0.1	ug/l	103	102	80-120	1	30
2,2-Dichloropropane	N.D.	0.1	ug/l	103	100	75-122	3	30
1,1-Dichloropropene	N.D.	0.1	ug/l	105	101	80-120	3	30
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	106	106	80-120	0	30
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	108	110	77-126	2	30
Ethyl t-butyl ether	N.D.	0.1	ug/l	95	96	76-120	1	30
Ethylbenzene	N.D.	0.1	ug/l	100	97	80-120	3	30
Hexachlorobutadiene	N.D.	0.1	ug/l	112	106	74-123	5	30
di-Isopropyl Ether	N.D.	0.1	ug/l	91	91	75-120	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556163
Reported: 05/07/2015 15:23

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isopropylbenzene	N.D.	0.1	ug/l	103	100	80-120	3	30
p-Isopropyltoluene	N.D.	0.1	ug/l	98	96	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	103	105	80-120	1	30
Methylene Chloride	N.D.	0.2	ug/l	105	103	80-120	2	30
Naphthalene	N.D.	0.1	ug/l	103	102	72-120	2	30
n-Propylbenzene	N.D.	0.1	ug/l	95	93	80-120	3	30
Styrene	N.D.	0.1	ug/l	107	105	80-120	1	30
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	111	110	80-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	0.1	ug/l	98	97	80-120	0	30
Tetrachloroethene	N.D.	0.1	ug/l	112	105	80-120	6	30
Toluene	N.D.	0.1	ug/l	99	98	80-120	2	30
1,2,3-Trichlorobenzene	N.D.	0.1	ug/l	101	98	75-120	3	30
1,2,4-Trichlorobenzene	N.D.	0.1	ug/l	105	102	80-120	3	30
1,1,1-Trichloroethane	N.D.	0.1	ug/l	107	103	80-120	3	30
1,1,2-Trichloroethane	N.D.	0.1	ug/l	109	107	80-120	2	30
Trichloroethene	N.D.	0.1	ug/l	107	103	80-120	3	30
Trichlorofluoromethane	N.D.	0.1	ug/l	109	103	64-141	6	30
1,2,3-Trichloropropane	N.D.	0.3	ug/l	111	109	80-120	1	30
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	98	97	80-120	2	30
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	98	95	80-120	3	30
Vinyl Chloride	N.D.	0.1	ug/l	95	96	59-124	1	30
Xylene (Total)	N.D.	0.1	ug/l	103	101	80-120	2	30

Batch number: C151242AA Sample number(s): 7861549

Acrylonitrile	N.D.	1.0	ug/l	100		75-133		
t-Amyl methyl ether	N.D.	0.1	ug/l	101		80-120		
Benzene	N.D.	0.1	ug/l	94		80-120		
Bromobenzene	N.D.	0.1	ug/l	98		80-120		
Bromochloromethane	N.D.	0.1	ug/l	115		80-125		
Bromodichloromethane	N.D.	0.1	ug/l	103		80-120		
Bromoform	N.D.	0.1	ug/l	112		64-134		
Bromomethane	N.D.	0.1	ug/l	94		62-126		
t-Butyl Alcohol	N.D.	4.0	ug/l	114		77-130		
n-Butylbenzene	N.D.	0.1	ug/l	89		80-120		
sec-Butylbenzene	N.D.	0.1	ug/l	91		80-120		
tert-Butylbenzene	N.D.	0.1	ug/l	94		80-120		
Carbon Disulfide	N.D.	0.4	ug/l	112		70-128		
Chlorobenzene	N.D.	0.1	ug/l	98		80-120		
Chloroethane	N.D.	0.1	ug/l	90		68-120		
Chloroform	N.D.	0.1	ug/l	100		80-120		
Chloromethane	N.D.	0.2	ug/l	81		55-125		
2-Chlorotoluene	N.D.	0.1	ug/l	96		80-120		
4-Chlorotoluene	N.D.	0.1	ug/l	95		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	ug/l	104		72-136		
Dibromochloromethane	N.D.	0.1	ug/l	111		80-126		
1,2-Dibromoethane	N.D.	0.1	ug/l	109		80-120		
Dibromomethane	N.D.	0.1	ug/l	108		80-120		
trans-1,4-Dichloro-2-butene	N.D.	1.0	ug/l	19		14-166		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	97		80-120		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	96		80-120		
1,4-Dichlorobenzene	N.D.	0.1	ug/l	95		80-120		
Dichlorodifluoromethane	N.D.	0.1	ug/l	91		35-142		
1,1-Dichloroethane	N.D.	0.1	ug/l	93		80-120		
1,2-Dichloroethane	N.D.	0.1	ug/l	100		80-125		
1,1-Dichloroethene	N.D.	0.1	ug/l	105		80-120		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	102		80-120		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556163
Reported: 05/07/2015 15:23

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	103		80-120		
1,2-Dichloropropane	N.D.	0.1	ug/l	97		80-120		
1,3-Dichloropropane	N.D.	0.1	ug/l	97		80-120		
2,2-Dichloropropane	N.D.	0.1	ug/l	96		75-122		
1,1-Dichloropropene	N.D.	0.1	ug/l	101		80-120		
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	97		80-120		
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	97		77-126		
Ethyl t-butyl ether	N.D.	0.1	ug/l	95		76-120		
Ethylbenzene	N.D.	0.1	ug/l	94		80-120		
Hexachlorobutadiene	N.D.	0.1	ug/l	102		74-123		
di-Isopropyl Ether	N.D.	0.1	ug/l	91		75-120		
Isopropylbenzene	N.D.	0.1	ug/l	95		80-120		
p-Isopropyltoluene	N.D.	0.1	ug/l	91		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	103		80-120		
Methylene Chloride	N.D.	0.2	ug/l	101		80-120		
Naphthalene	N.D.	0.1	ug/l	97		72-120		
n-Propylbenzene	N.D.	0.1	ug/l	90		80-120		
Styrene	N.D.	0.1	ug/l	99		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	106		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	ug/l	92		80-120		
Tetrachloroethene	N.D.	0.1	ug/l	103		80-120		
Toluene	N.D.	0.1	ug/l	95		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	ug/l	92		75-120		
1,2,4-Trichlorobenzene	N.D.	0.1	ug/l	97		80-120		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	101		80-120		
1,1,2-Trichloroethane	N.D.	0.1	ug/l	102		80-120		
Trichloroethene	N.D.	0.1	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	0.1	ug/l	99		64-141		
1,2,3-Trichloropropane	N.D.	0.3	ug/l	101		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	92		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	91		80-120		
Vinyl Chloride	N.D.	0.1	ug/l	92		59-124		
Xylene (Total)	N.D.	0.1	ug/l	96		80-120		
Batch number: 15121A20A	Sample number(s): 7861544-7861549							
TPH-GRO water C6-C10	N.D.	20.	ug/l	92		80-129		
Batch number: 15115667901A	Sample number(s): 7861544-7861549							
Nitrate Nitrogen	N.D.	0.050	mg/l	102	101	90-110	1	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: C151242AA	Sample number(s): 7861549 UNSPK: P870815								
Acrylonitrile	108	96	56-161	11	30				
t-Amyl methyl ether	102	102	74-127	1	30				
Benzene	100	100	87-126	0	30				
Bromobenzene	104	101	80-123	3	30				
Bromochloromethane	120	108	82-125	10	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556163
Reported: 05/07/2015 15:23

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Bromodichloromethane	104	103	82-133	1	30				
Bromoform	111	108	60-138	3	30				
Bromomethane	98	99	66-130	1	30				
t-Butyl Alcohol	116	106	55-154	8	30				
n-Butylbenzene	99	95	83-131	4	30				
sec-Butylbenzene	101	99	84-128	1	30				
tert-Butylbenzene	100	100	84-135	1	30				
Carbon Disulfide	113	111	84-141	2	30				
Chlorobenzene	103	101	78-133	1	30				
Chloroethane	94	97	70-139	4	30				
Chloroform	107	105	86-136	2	30				
Chloromethane	86	88	49-135	2	30				
2-Chlorotoluene	102	100	84-122	1	30				
4-Chlorotoluene	102	99	76-134	3	30				
1,2-Dibromo-3-chloropropane	107	90	53-163	16	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	110	110	84-127	1	30				
Dibromomethane	111	108	83-126	2	30				
trans-1,4-Dichloro-2-butene	38	38	11-172	1	30				
1,2-Dichlorobenzene	101	98	83-117	3	30				
1,3-Dichlorobenzene	101	99	79-132	2	30				
1,4-Dichlorobenzene	100	98	79-120	2	30				
Dichlorodifluoromethane	99	97	28-136	2	30				
1,1-Dichloroethane	99	98	81-126	0	30				
1,2-Dichloroethane	104	103	82-135	1	30				
1,1-Dichloroethene	132	133*	86-132	1	30				
cis-1,2-Dichloroethene	108	105	82-129	2	30				
trans-1,2-Dichloroethene	110	111	88-127	0	30				
1,2-Dichloropropane	102	100	91-126	2	30				
1,3-Dichloropropane	101	99	80-127	2	30				
2,2-Dichloropropane	105	104	80-134	1	30				
1,1-Dichloropropene	110	109	86-139	1	30				
cis-1,3-Dichloropropene	103	104	74-132	0	30				
trans-1,3-Dichloropropene	105	105	71-128	1	30				
Ethyl t-butyl ether	95	97	61-131	2	30				
Ethylbenzene	101	99	80-140	2	30				
Hexachlorobutadiene	113	108	65-128	5	30				
di-Isopropyl Ether	92	94	69-122	1	30				
Isopropylbenzene	104	101	81-133	2	30				
p-Isopropyltoluene	100	99	84-124	1	30				
Methyl Tertiary Butyl Ether	104	104	71-119	0	30				
Methylene Chloride	104	103	77-135	1	30				
Naphthalene	104	101	56-132	2	30				
n-Propylbenzene	97	95	79-131	2	30				
Styrene	109	106	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	105	87-126	3	30				
1,1,2,2-Tetrachloroethane	0*	0*	75-131	0	30				
Tetrachloroethene	210*	198*	75-129	6	30				
Toluene	100	100	83-127	0	30				
1,2,3-Trichlorobenzene	96	95	73-125	1	30				
1,2,4-Trichlorobenzene	101	99	77-120	2	30				
1,1,1-Trichloroethane	109	107	85-140	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: GES, Inc. Group Number: 1556163
Reported: 05/07/2015 15:23

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	89	87	85-129	3	30				
Trichloroethene	196*	194*	85-131	1	30				
Trichlorofluoromethane	109	106	73-139	3	30				
1,2,3-Trichloropropane	103	105	76-120	1	30				
1,2,4-Trimethylbenzene	98	96	87-126	2	30				
1,3,5-Trimethylbenzene	99	97	89-129	2	30				
Vinyl Chloride	97	100	62-135	3	30				
Xylene (Total)	104	102	81-137	2	30				
Batch number: 15121A20A	Sample number(s): 7861544-7861549 UNSPK: P866013								
TPH-GRO water C6-C10	106	105	75-135	0	30				
Batch number: 15115667901A	Sample number(s): 7861544-7861549 UNSPK: 7861545 BKG: 7861545								
Nitrate Nitrogen	102		90-110			1.9	2.0	2 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: C151211AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7861544	108	107	95	95
7861545	108	108	96	96
7861546	108	108	95	95
7861547	108	109	96	96
7861548	109	110	96	96
Blank	107	108	95	96
LCS	105	108	97	99
LCSD	106	109	97	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: C151242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7861549	111	111	97	96
Blank	109	109	97	96
LCS	108	110	98	99
MS	59*	108	98	99
MSD	58*	108	98	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 15121A20A

	Trifluorotoluene-F
7861544	119
7861545	118

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: GES, Inc. Group Number: 1556163
Reported: 05/07/2015 15:23

Surrogate Quality Control

7861546	115
7861547	113
7861548	108
7861549	111
Blank	119
LCS	126
MS	122
MSD	121
Limits:	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1556163 Sample # 7861544-49

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Gregory Reichart	P.O. #: 0402888-06-206
Sampler: Jeff Plummer	PWSID #:
Phone #: 800-220-3606 x3717	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Sediment	Soil	Ground	Surface	Potable	NPDES	Water	Other:	Total # of Containers	Full Suite VOCs including Oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	Nitrate Nitrogen (300.0)	Sulfate (300.0)	Ferrous Iron (SM 3500B)	Remarks
MW-12	4-23-15	0950	X								X		7	X	X	X			EQEDD file name:
MW-8	↓	1100	↓								↓		↓	↓	↓	↓			Carroll Monrovia-lab
MW-1	↓	1200	↓								↓		↓	↓	↓	↓			report #.17953.
MW-6	↓	1240	↓								↓		↓	↓	↓	↓			EQEDD.zip
MW-4	↓	1315	↓								↓		↓	↓	↓	↓			
MW-2	4-23-15	1345	X								X		7	X	X	X			

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐
Type III (Reduced non-CLP) ☐ CT RCP ☐
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐
NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-23-15	1515	Denise Woodring	4-23-15	1520
Denise Woodring	4-24-15	1400	[illegible]	4-24-15	1400
[illegible]	4-24-15	16:35			
			[illegible]	4/24/15	1638

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 0.4 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 66949

Group Number(s): 1556163

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/24/2015 16:38
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Patrick Engle (3472) at 16:51 on 04/24/2015

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.4	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

May 14, 2015

Project: Carroll Monrovia

Submittal Date: 05/06/2015
Group Number: 1559057
PO Number: 0402888-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3996-FARM-EFF Grab Potable Water	7876441
3996-FARM-MID2 Grab Potable Water	7876442
3996-FARM-INF Grab Potable Water	7876443

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	GES	Attn: Greg Reichart
ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: 3996-FARM-EFF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7876441
LL Group # 1559057
Account # 08390

Project Name: Carroll Monrovia

Collected: 05/05/2015 16:25 by JP

Submitted: 05/06/2015 16:45
Reported: 05/14/2015 13:50

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

FARME

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.	0.1	1
03648	Benzene	71-43-2	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.	0.1	1
03648	Ethylbenzene	100-41-4	N.D.	0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
03648	Trichloroethene	79-01-6	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	Xylene (Total)	1330-20-7	N.D.	0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151331AA	05/13/2015 14:01	Jason M Long	1

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Analysis Report

Sample Description: 3996-FARM-MID2 Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7876442
LL Group # 1559057
Account # 08390

Project Name: Carroll Monrovia

Collected: 05/05/2015 16:30 by JP

Submitted: 05/06/2015 16:45
Reported: 05/14/2015 13:50

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

FARMM

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	2.9	J	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151331AA	05/13/2015 14:28	Jason M Long	1

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Analysis Report

Sample Description: 3996-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 7876443
LL Group # 1559057
Account # 08390

Project Name: Carroll Monrovia

Collected: 05/05/2015 16:35 by JP

Submitted: 05/06/2015 16:45
Reported: 05/14/2015 13:50

GES, Inc.
Suite A
1350 Blair Dr
Odenton MD 21113

FARMI

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	0.2	J	0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	5.3	J	2.5	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
03648	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
03648	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
03648	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
03648	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
03648	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
03648	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
03648	Ethyl t-Butyl Ether	637-92-3	N.D.		0.1	1
03648	Ethylbenzene	100-41-4	N.D.		0.1	1
03648	di-Isopropyl Ether	108-20-3	0.2	J	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	13		0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.1	J	0.1	1
03648	Toluene	108-88-3	N.D.		0.1	1
03648	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.2	1
03648	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
03648	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
03648	Trichloroethene	79-01-6	N.D.		0.1	1
03648	Vinyl Chloride	75-01-4	N.D.		0.1	1
03648	Xylene (Total)	1330-20-7	N.D.		0.1	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S151331AA	05/13/2015 14:55	Jason M Long	1

Quality Control Summary

Client Name: GES, Inc. Group Number: 1559057
Reported: 05/14/2015 13:50

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S151331AA	Sample number(s): 7876441-7876443							
t-Amyl Methyl Ether	N.D.	0.1	ug/l	95		70-130		
Benzene	N.D.	0.1	ug/l	104		70-130		
t-Butyl Alcohol	N.D.	2.5	ug/l	91		70-130		
Carbon Tetrachloride	N.D.	0.1	ug/l	107		70-130		
Chlorobenzene	N.D.	0.1	ug/l	97		70-130		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	98		70-130		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	97		70-130		
1,2-Dichloroethane	N.D.	0.1	ug/l	104		70-130		
1,1-Dichloroethene	N.D.	0.1	ug/l	106		70-130		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	102		70-130		
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	107		70-130		
1,2-Dichloropropane	N.D.	0.1	ug/l	102		70-130		
Ethyl t-Butyl Ether	N.D.	0.1	ug/l	91		70-130		
Ethylbenzene	N.D.	0.1	ug/l	96		70-130		
di-Isopropyl Ether	N.D.	0.1	ug/l	109		70-130		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	105		70-130		
Methylene Chloride	N.D.	0.3	ug/l	109		70-130		
Naphthalene	N.D.	0.2	ug/l	88		70-130		
Styrene	N.D.	0.1	ug/l	99		70-130		
Tetrachloroethene	N.D.	0.1	ug/l	98		70-130		
Toluene	N.D.	0.1	ug/l	105		70-130		
1,2,4-Trichlorobenzene	N.D.	0.2	ug/l	95		70-130		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	103		70-130		
1,1,2-Trichloroethane	N.D.	0.1	ug/l	109		70-130		
Trichloroethene	N.D.	0.1	ug/l	102		70-130		
Vinyl Chloride	N.D.	0.1	ug/l	94		70-130		
Xylene (Total)	N.D.	0.1	ug/l	95		70-130		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 524.2
Batch number: S151331AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
7876441	89	96

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: GES, Inc. Group Number: 1559057
Reported: 05/14/2015 13:50

Surrogate Quality Control

7876442	89	91
7876443	88	90
Blank	93	93
LCS	105	106
Limits:	80-120	80-120

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1559057 Sample # 7876441-43

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Gregory Reichart	P.O. #: 0402888-06-209
Sampler: Jeff Plummer	PWSID #:
Phone #: 800-220-3606 x3717	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

Matrix: Sediment ☐ Soil ☐ Ground ☐ Surface ☐ Potable ☒ NPDES ☐ Water Other:

Analyses Requested / Preservation Codes

For Lab Use Only: SF #: ____ SCR #: ____

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Water	Other:	Total # of Containers	Full Suite VOCs plus Oxygenates and Naphthalene (624.2)	Remarks
3996-FARM-EFF	5-5-15	1625	X			X		4	X	EQEDD file name:
3996-FARM-MID2	5-5-15	1630	X			X		4	X	Carroll Monrovia-lab
3996-FARM-INF	5-5-15	1635	X			X		4	X	report #.17953.
										EQEDD.zip

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: mdlabs@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	5-6-15	0800	Denise Woodly	5-6-15	0802
Denise Woodly	5-6-15	10:45	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]			
			5-6-15	5-6-15	1645

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 68452

Group Number(s): 1559057

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	05/06/2015 16:45
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wesley Miller (2308) at 18:33 on 05/06/2015

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.1	DT	Wet	Y	Loose	N

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Lancaster, PA 17605-2425
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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