APPENDIX C

Laboratory Reports and Chain of Custody Documentation
(See Files on CD)

Eurofins Lancaster Laboratories
ID Numbers:
1628149
1628647
1628648
1629085
1629461
1630956
1638493
1639015

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

February 12, 2016

Project: Carroll Monrovia

Submittal Date: 02/02/2016
Group Number: 1628149
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-7 Grab Groundwater	8227719
MW-13 Grab Groundwater	8227720
MW-1 Grab Groundwater	8227721

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Lancaster Laboratories Environmental
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Analysis Report

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

LL Sample # WW 8227719
LL Group # 1628149
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/01/2016 11:25 by JP

Submitted: 02/02/2016 16:25
Reported: 02/12/2016 15:04

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	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	0.6		0.1	1
02898	Chloromethane	74-87-3	0.3	J	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	1.0		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	2.4		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 8227719
LL Group # 1628149
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/01/2016 11:25 by JP

Submitted: 02/02/2016 16:25
Reported: 02/12/2016 15:04

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	3.0	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	C160392AA	02/09/2016	01:20	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160392AA	02/09/2016	01:20	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16035B20A	02/04/2016	19:49	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16035B20A	02/04/2016	19:49	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	16033495601A	02/03/2016	05:53	James S Mathiot	5

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Analysis Report

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

LL Sample # WW 8227720
LL Group # 1628149
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/01/2016 12:15 by JP

Submitted: 02/02/2016 16:25
Reported: 02/12/2016 15:04

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	0.4	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	5.2		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-13 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8227720
LL Group # 1628149
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/01/2016 12:15 by JP

Submitted: 02/02/2016 16:25
Reported: 02/12/2016 15:04

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	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	I160423AA	02/11/2016 23:05	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I160423AA	02/11/2016 23:05	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16035B20A	02/04/2016 20:16	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16035B20A	02/04/2016 20:16	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	16033495601A	02/03/2016 06:12	James S Mathiot	5

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Analysis Report

Sample Description: MW-1 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8227721
LL Group # 1628149
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/01/2016 13:05 by JP

Submitted: 02/02/2016 16:25
Reported: 02/12/2016 15:04

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	0.4	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	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-1 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8227721
LL Group # 1628149
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/01/2016 13:05 by JP

Submitted: 02/02/2016 16:25
Reported: 02/12/2016 15:04

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	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	C160392AA	02/09/2016	02:05	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160392AA	02/09/2016	02:05	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16035B20A	02/04/2016	20:43	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	16035B20A	02/04/2016	20:43	Brett W Kenyon	1
00368	Nitrate Nitrogen	EPA 300.0	1	16033495601A	02/03/2016	06:31	James S Mathiot	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: C160392AA	Sample number(s): 8227719,8227721	
Acrylonitrile	N.D.	1.0
t-Amyl methyl ether	N.D.	0.1
Benzene	N.D.	0.1
Bromobenzene	N.D.	0.1
Bromochloromethane	N.D.	0.1
Bromodichloromethane	N.D.	0.1
Bromoform	N.D.	0.1
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	4.0
n-Butylbenzene	N.D.	0.1
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Disulfide	N.D.	0.4
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.1
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.1
1,2-Dibromo-3-chloropropane	N.D.	0.2
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
trans-1,4-Dichloro-2-butene	N.D.	1.0
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.1
1,1-Dichloroethane	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
1,3-Dichloropropane	N.D.	0.1
2,2-Dichloropropane	N.D.	0.1
1,1-Dichloropropene	N.D.	0.1
cis-1,3-Dichloropropene	N.D.	0.1
trans-1,3-Dichloropropene	N.D.	0.1
Ethyl t-butyl ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
Hexachlorobutadiene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

Analysis Name	Result		MDL
	ug/l		ug/l
Isopropylbenzene	N.D.		0.1
p-Isopropyltoluene	N.D.		0.1
Methyl Tertiary Butyl Ether	N.D.		0.1
Methylene Chloride	N.D.		0.2
Naphthalene	N.D.		0.1
n-Propylbenzene	N.D.		0.1
Styrene	N.D.		0.1
1,1,1,2-Tetrachloroethane	N.D.		0.1
1,1,2,2-Tetrachloroethane	N.D.		0.1
Tetrachloroethene	N.D.		0.1
Toluene	N.D.		0.1
1,2,3-Trichlorobenzene	0.1	J	0.1
1,2,4-Trichlorobenzene	N.D.		0.1
1,1,1-Trichloroethane	N.D.		0.1
1,1,2-Trichloroethane	N.D.		0.1
Trichloroethene	N.D.		0.1
Trichlorofluoromethane	N.D.		0.1
1,2,3-Trichloropropane	N.D.		0.3
1,2,4-Trimethylbenzene	N.D.		0.1
1,3,5-Trimethylbenzene	N.D.		0.1
Vinyl Chloride	N.D.		0.1
Xylene (Total)	N.D.		0.1
Batch number: I160423AA	Sample number(s): 8227720		
Acrylonitrile	N.D.		1.0
t-Amyl methyl ether	N.D.		0.1
Benzene	N.D.		0.1
Bromobenzene	N.D.		0.1
Bromochloromethane	N.D.		0.1
Bromodichloromethane	N.D.		0.1
Bromoform	N.D.		0.1
Bromomethane	N.D.		0.1
t-Butyl Alcohol	N.D.		4.0
n-Butylbenzene	N.D.		0.1
sec-Butylbenzene	N.D.		0.1
tert-Butylbenzene	N.D.		0.1
Carbon Disulfide	N.D.		0.4
Chlorobenzene	N.D.		0.1
Chloroethane	N.D.		0.1
Chloroform	N.D.		0.1
Chloromethane	N.D.		0.2
2-Chlorotoluene	N.D.		0.1
4-Chlorotoluene	N.D.		0.1
1,2-Dibromo-3-chloropropane	N.D.		0.2
Dibromochloromethane	N.D.		0.1
1,2-Dibromoethane	N.D.		0.1
Dibromomethane	N.D.		0.1
trans-1,4-Dichloro-2-butene	N.D.		1.0
1,2-Dichlorobenzene	N.D.		0.1
1,3-Dichlorobenzene	N.D.		0.1
1,4-Dichlorobenzene	N.D.		0.1
Dichlorodifluoromethane	N.D.		0.1
1,1-Dichloroethane	N.D.		0.1
1,2-Dichloroethane	N.D.		0.1
1,1-Dichloroethene	N.D.		0.1

*- Outside of specification
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Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

Analysis Name	Result	MDL
	ug/l	ug/l
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
1,3-Dichloropropane	N.D.	0.1
2,2-Dichloropropane	N.D.	0.1
1,1-Dichloropropene	N.D.	0.1
cis-1,3-Dichloropropene	N.D.	0.1
trans-1,3-Dichloropropene	N.D.	0.1
Ethyl t-butyl ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
Hexachlorobutadiene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1
Isopropylbenzene	N.D.	0.1
p-Isopropyltoluene	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.2
Naphthalene	N.D.	0.1
n-Propylbenzene	N.D.	0.1
Styrene	N.D.	0.1
1,1,1,2-Tetrachloroethane	N.D.	0.1
1,1,2,2-Tetrachloroethane	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,3-Trichlorobenzene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.1
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Trichlorofluoromethane	N.D.	0.1
1,2,3-Trichloropropane	N.D.	0.3
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1
Batch number: 16035B20A	Sample number(s): 8227719-8227721	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16033495601A	Sample number(s): 8227719-8227721	
Nitrate Nitrogen	N.D.	0.050

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C160392AA	Sample number(s): 8227719,8227721								
Acrylonitrile	25	27.98	25	25.55	112	102	63-141	9	30
t-Amyl methyl ether	5.00	4.71	5.00	4.80	94	96	77-126	2	30
Benzene	5.00	4.79	5.00	4.83	96	97	80-120	1	30
Bromobenzene	5.00	5.25	5.00	5.25	105	105	80-120	0	30

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Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromochloromethane	5.00	5.68	5.00	5.62	114	112	80-125	1	30
Bromodichloromethane	5.00	5.54	5.00	5.54	111	111	80-120	0	30
Bromoform	5.00	5.14	5.00	5.20	103	104	64-134	1	30
Bromomethane	5.00	5.19	5.00	5.10	104	102	71-126	2	30
t-Butyl Alcohol	50	57.84	50	49.43	116	99	77-130	16	30
n-Butylbenzene	5.00	4.84	5.00	4.85	97	97	80-120	0	30
sec-Butylbenzene	5.00	4.92	5.00	4.97	98	99	80-120	1	30
tert-Butylbenzene	5.00	4.97	5.00	5.01	99	100	80-120	1	30
Carbon Disulfide	5.00	4.98	5.00	5.02	100	100	70-128	1	30
Chlorobenzene	5.00	5.02	5.00	5.06	100	101	80-120	1	30
Chloroethane	5.00	4.42	5.00	4.76	88	95	71-122	7	30
Chloroform	5.00	5.07	5.00	5.09	101	102	80-120	0	30
Chloromethane	5.00	4.13	5.00	4.13	83	83	63-121	0	30
2-Chlorotoluene	5.00	4.99	5.00	5.04	100	101	80-120	1	30
4-Chlorotoluene	5.00	5.08	5.00	5.06	102	101	80-120	0	30
1,2-Dibromo-3-chloropropane	5.00	5.44	5.00	4.90	109	98	54-147	10	30
Dibromochloromethane	5.00	5.74	5.00	5.69	115	114	80-126	1	30
1,2-Dibromoethane	5.00	5.42	5.00	5.52	108	110	80-120	2	30
Dibromomethane	5.00	5.47	5.00	5.50	109	110	80-122	0	30
trans-1,4-Dichloro-2-butene	25	25.49	25	23.09	102	92	14-166	10	30
1,2-Dichlorobenzene	5.00	5.08	5.00	5.11	102	102	80-120	1	30
1,3-Dichlorobenzene	5.00	5.15	5.00	5.18	103	104	80-120	1	30
1,4-Dichlorobenzene	5.00	5.05	5.00	5.09	101	102	80-120	1	30
Dichlorodifluoromethane	5.00	4.88	5.00	4.82	98	96	35-142	1	30
1,1-Dichloroethane	5.00	4.43	5.00	4.49	89	90	80-120	1	30
1,2-Dichloroethane	5.00	4.99	5.00	5.12	100	102	80-125	3	30
1,1-Dichloroethene	5.00	5.16	5.00	5.23	103	105	80-120	1	30
cis-1,2-Dichloroethene	5.00	5.05	5.00	5.11	101	102	80-120	1	30
trans-1,2-Dichloroethene	5.00	5.09	5.00	5.09	102	102	80-120	0	30
1,2-Dichloropropane	5.00	4.69	5.00	4.73	94	95	80-120	1	30
1,3-Dichloropropane	5.00	4.74	5.00	4.84	95	97	80-120	2	30
2,2-Dichloropropane	5.00	5.27	5.00	5.34	105	107	77-127	1	30
1,1-Dichloropropene	5.00	4.50	5.00	4.52	90	90	80-120	1	30
cis-1,3-Dichloropropene	5.00	5.11	5.00	5.14	102	103	80-124	0	30
trans-1,3-Dichloropropene	5.00	4.84	5.00	4.93	97	99	76-132	2	30
Ethyl t-butyl ether	5.00	4.26	5.00	4.37	85	87	72-126	2	30
Ethylbenzene	5.00	4.85	5.00	4.90	97	98	80-120	1	30
Hexachlorobutadiene	5.00	4.70	5.00	4.60	94	92	74-123	2	30
di-Isopropyl Ether	5.00	4.01	5.00	4.10	80	82	71-130	2	30
Isopropylbenzene	5.00	5.00	5.00	5.05	100	101	80-120	1	30
p-Isopropyltoluene	5.00	5.07	5.00	5.14	101	103	80-120	1	30
Methyl Tertiary Butyl Ether	5.00	4.72	5.00	4.84	94	97	80-121	3	30
Methylene Chloride	5.00	4.84	5.00	4.86	97	97	80-120	0	30
Naphthalene	5.00	4.53	5.00	4.49	91	90	59-136	1	30
n-Propylbenzene	5.00	4.83	5.00	4.82	97	96	79-121	0	30
Styrene	5.00	5.27	5.00	5.35	105	107	80-122	1	30
1,1,1,2-Tetrachloroethane	5.00	5.38	5.00	5.41	108	108	80-120	1	30
1,1,2,2-Tetrachloroethane	5.00	4.95	5.00	5.05	99	101	80-120	2	30
Tetrachloroethene	5.00	5.16	5.00	5.22	103	104	80-120	1	30
Toluene	5.00	4.71	5.00	4.75	94	95	80-120	1	30
1,2,3-Trichlorobenzene	5.00	4.54	5.00	4.39	91	88	64-124	3	30
1,2,4-Trichlorobenzene	5.00	4.65	5.00	4.65	93	93	70-123	0	30
1,1,1-Trichloroethane	5.00	5.36	5.00	5.37	107	107	80-120	0	30

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Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2-Trichloroethane	5.00	5.20	5.00	5.25	104	105	80-120	1	30
Trichloroethene	5.00	5.13	5.00	5.17	103	103	80-120	1	30
Trichlorofluoromethane	5.00	5.87	5.00	5.86	117	117	69-133	0	30
1,2,3-Trichloropropane	5.00	5.35	5.00	5.25	107	105	80-120	2	30
1,2,4-Trimethylbenzene	5.00	5.05	5.00	5.10	101	102	80-120	1	30
1,3,5-Trimethylbenzene	5.00	4.99	5.00	5.02	100	100	80-120	0	30
Vinyl Chloride	5.00	4.72	5.00	5.56	94	111	71-123	16	30
Xylene (Total)	15	14.91	15	15.09	99	101	80-120	1	30
Batch number: I160423AA	Sample number(s): 8227720								
Acrylonitrile	25	28.44	25	25.6	114	102	63-141	10	30
t-Amyl methyl ether	5.00	4.91	5.00	4.94	98	99	77-126	1	30
Benzene	5.00	4.77	5.00	4.71	95	94	80-120	1	30
Bromobenzene	5.00	4.97	5.00	4.88	99	98	80-120	2	30
Bromochloromethane	5.00	5.06	5.00	4.99	101	100	80-125	1	30
Bromodichloromethane	5.00	4.97	5.00	4.86	99	97	80-120	2	30
Bromoform	5.00	4.86	5.00	4.70	97	94	64-134	3	30
Bromomethane	5.00	4.25	5.00	4.21	85	84	71-126	1	30
t-Butyl Alcohol	50	55.31	50	49.72	111	99	77-130	11	30
n-Butylbenzene	5.00	5.07	5.00	4.96	101	99	80-120	2	30
sec-Butylbenzene	5.00	5.14	5.00	5.08	103	102	80-120	1	30
tert-Butylbenzene	5.00	5.20	5.00	5.07	104	101	80-120	3	30
Carbon Disulfide	5.00	4.51	5.00	4.44	90	89	70-128	1	30
Chlorobenzene	5.00	4.87	5.00	4.86	97	97	80-120	0	30
Chloroethane	5.00	4.22	5.00	4.16	84	83	71-122	2	30
Chloroform	5.00	4.92	5.00	4.85	98	97	80-120	1	30
Chloromethane	5.00	3.83	5.00	3.82	77	76	63-121	0	30
2-Chlorotoluene	5.00	4.94	5.00	4.88	99	98	80-120	1	30
4-Chlorotoluene	5.00	5.02	5.00	4.90	100	98	80-120	3	30
1,2-Dibromo-3-chloropropane	5.00	6.20	5.00	5.32	124	106	54-147	15	30
Dibromochloromethane	5.00	4.87	5.00	4.81	97	96	80-126	1	30
1,2-Dibromoethane	5.00	5.15	5.00	5.12	103	102	80-120	0	30
Dibromomethane	5.00	4.97	5.00	4.95	99	99	80-122	0	30
trans-1,4-Dichloro-2-butene	25	23.74	25	20.77	95	83	14-166	13	30
1,2-Dichlorobenzene	5.00	4.98	5.00	4.90	100	98	80-120	2	30
1,3-Dichlorobenzene	5.00	4.95	5.00	4.87	99	97	80-120	2	30
1,4-Dichlorobenzene	5.00	4.99	5.00	4.92	100	98	80-120	1	30
Dichlorodifluoromethane	5.00	3.65	5.00	3.54	73	71	35-142	3	30
1,1-Dichloroethane	5.00	4.71	5.00	4.65	94	93	80-120	1	30
1,2-Dichloroethane	5.00	4.73	5.00	4.70	95	94	80-125	1	30
1,1-Dichloroethene	5.00	4.75	5.00	4.64	95	93	80-120	2	30
cis-1,2-Dichloroethene	5.00	4.82	5.00	4.82	96	96	80-120	0	30
trans-1,2-Dichloroethene	5.00	4.91	5.00	4.89	98	98	80-120	0	30
1,2-Dichloropropane	5.00	4.95	5.00	4.88	99	98	80-120	1	30
1,3-Dichloropropane	5.00	4.90	5.00	4.85	98	97	80-120	1	30
2,2-Dichloropropane	5.00	4.89	5.00	4.86	98	97	77-127	1	30
1,1-Dichloropropene	5.00	4.61	5.00	4.60	92	92	80-120	0	30
cis-1,3-Dichloropropene	5.00	4.76	5.00	4.71	95	94	80-124	1	30
trans-1,3-Dichloropropene	5.00	4.91	5.00	4.90	98	98	76-132	0	30
Ethyl t-butyl ether	5.00	4.88	5.00	4.87	98	97	72-126	0	30
Ethylbenzene	5.00	4.97	5.00	4.91	99	98	80-120	1	30
Hexachlorobutadiene	5.00	5.09	5.00	5.01	102	100	74-123	2	30
di-Isopropyl Ether	5.00	4.94	5.00	4.99	99	100	71-130	1	30
Isopropylbenzene	5.00	5.19	5.00	5.20	104	104	80-120	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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
p-Isopropyltoluene	5.00	5.11	5.00	5.05	102	101	80-120	1	30
Methyl Tertiary Butyl Ether	5.00	4.81	5.00	4.82	96	96	80-121	0	30
Methylene Chloride	5.00	4.70	5.00	4.63	94	93	80-120	1	30
Naphthalene	5.00	5.54	5.00	5.46	111	109	59-136	2	30
n-Propylbenzene	5.00	5.01	5.00	4.93	100	99	79-121	2	30
Styrene	5.00	5.23	5.00	5.21	105	104	80-122	0	30
1,1,1,2-Tetrachloroethane	5.00	5.13	5.00	5.09	103	102	80-120	1	30
1,1,2,2-Tetrachloroethane	5.00	4.92	5.00	4.78	98	96	80-120	3	30
Tetrachloroethene	5.00	4.89	5.00	4.83	98	97	80-120	1	30
Toluene	5.00	4.80	5.00	4.80	96	96	80-120	0	30
1,2,3-Trichlorobenzene	5.00	5.17	5.00	5.07	103	101	64-124	2	30
1,2,4-Trichlorobenzene	5.00	5.16	5.00	5.09	103	102	70-123	1	30
1,1,1-Trichloroethane	5.00	4.94	5.00	4.89	99	98	80-120	1	30
1,1,2-Trichloroethane	5.00	4.83	5.00	4.86	97	97	80-120	1	30
Trichloroethene	5.00	5.09	5.00	5.01	102	100	80-120	2	30
Trichlorofluoromethane	5.00	4.66	5.00	4.56	93	91	69-133	2	30
1,2,3-Trichloropropane	5.00	5.11	5.00	5.14	102	103	80-120	1	30
1,2,4-Trimethylbenzene	5.00	5.08	5.00	5.02	102	100	80-120	1	30
1,3,5-Trimethylbenzene	5.00	5.07	5.00	5.01	101	100	80-120	1	30
Vinyl Chloride	5.00	4.13	5.00	4.13	83	83	71-123	0	30
Xylene (Total)	15	14.94	15	14.92	100	99	80-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16035B20A	Sample number(s): 8227719-8227721								
TPH-GRO water C6-C10	1100	1036.29			94		80-129		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16033495601A	Sample number(s): 8227719-8227721								
Nitrate Nitrogen	0.750	0.806			107		90-110		

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16035B20A	Sample number(s): 8227719-8227721 UNSPK: P227979									
TPH-GRO water C6-C10	N.D.	1100	1225.26	1100	1188.53	111	108	80-129	3	30
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 16033495601A	Sample number(s): 8227719-8227721 UNSPK: P227822									
Nitrate Nitrogen	0.897	5.00	5.99			102		90-110		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/12/2016 15:04

Group Number: 1628149

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16033495601A	Sample number(s): 8227719-8227721 BKG: P227822			
Nitrate Nitrogen	0.897	0.865	4 (1)	15

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: C160392AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8227719	111	110	90	88
8227721	114	110	91	88
Blank	105	106	91	89
LCS	103	105	94	93
LCSD	103	104	95	94
Limits:	77-114	74-113	77-110	78-110

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: I160423AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8227720	102	102	99	100
Blank	101	99	99	97
LCS	101	101	99	99
LCSD	100	99	100	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16035B20A

	Trifluorotoluene-F
8227719	90
8227720	89
8227721	89
Blank	90
LCS	102
MS	99
MSD	99
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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

MW COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1628149 Sample # 8227719-21

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888 (2015 proj #)
Project Manager: Peter Reichardt	P.O. #: 0402888-06-206
Sampler: Jeff Plummer	PWSID #:
Phone #: 800-220-3606 x3726	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

Matrix: Soil ☐ Sediment ☐ Water: Potable ☐ Ground ☒ NPDES ☐ Surface ☐ 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	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-7	2-1-16	1125	X		8	X	X	X			EQEDD file name:
MW-13	2-1-16	1215	X		8	X	X	X			Carroll Monrovia-lab
MW-1	2-1-16	1305	X		8	X	X	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	2-1-16	1545	Denise Wooding	2-1-16	1545
Denise Wooding	2-2-16	10:45	[illegible]	2/2/16	[illegible]
[illegible]	2/2/16	16:00			
			[illegible]	2/2/16	1625

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 2.0 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 135128

Group Number(s): 1628149

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/02/2016 16:25
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:	No
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 17:02 on 02/02/2016

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	2.0	DT	Wet	Y	Bagged	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
MW-1	MW-2	Identified By Time of Collection @ 1305 on 2/1/2016

2425 New Holland Pike
Lancaster, PA 17605-2425
T 717-656-2300
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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, and ISO 17025) 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

February 17, 2016

Project: Carroll Monrovia

Submittal Date: 02/03/2016
Group Number: 1628647
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-2 Grab Groundwater	8229524
MW-15D Grab Groundwater	8229525
MW-18D Grab Groundwater	8229526

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: MW-2 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8229524
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 11:30 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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	0.2	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-2 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8229524
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 11:30 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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	0.2	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	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	I160423AA	02/12/2016	01:34	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I160423AA	02/12/2016	01:34	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16035B20A	02/05/2016	01:44	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16035B20A	02/05/2016	01:44	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16034495601B	02/04/2016	08:13	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 8229525
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 14:55 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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

MV15D

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	0.3	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	0.5		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	0.4	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 8229525
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 14:55 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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

MV15D

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	2.7	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	I160423AA	02/12/2016	01:55	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I160423AA	02/12/2016	01:55	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16035B20A	02/05/2016	02:39	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16035B20A	02/05/2016	02:39	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16034495601B	02/04/2016	08:32	James S Mathiot	5

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

LL Sample # WW 8229526
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 17:00 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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

MV18D

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	6.4	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-18D Grab Groundwater**
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8229526
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 17:00 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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

MV18D

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
00228	Sulfate	14808-79-8	19.4	1.5	5
	SM 3500-Fe B 1997		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	N.D.	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	I160423AA	02/12/2016 02:17	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I160423AA	02/12/2016 02:17	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16036C20A	02/08/2016 12:35	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16036C20A	02/08/2016 12:35	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16034495601B	02/04/2016 08:51	James S Mathiot	5

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Analysis Report

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

LL Sample # WW 8229526
LL Group # 1628647
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 17:00 by LK

Submitted: 02/03/2016 17:34
Reported: 02/17/2016 16:26

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

MV18D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	16034495601B	02/04/2016 08:51	Drew M Gerhart	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16034834401A	02/03/2016 21:35	Daniel S Smith	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/17/2016 16:26

Group Number: 1628647

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: I160423AA	Sample number(s): 8229524-8229526	
Acrylonitrile	N.D.	1.0
t-Amyl methyl ether	N.D.	0.1
Benzene	N.D.	0.1
Bromobenzene	N.D.	0.1
Bromochloromethane	N.D.	0.1
Bromodichloromethane	N.D.	0.1
Bromoform	N.D.	0.1
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	4.0
n-Butylbenzene	N.D.	0.1
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Disulfide	N.D.	0.4
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.1
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.1
1,2-Dibromo-3-chloropropane	N.D.	0.2
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
trans-1,4-Dichloro-2-butene	N.D.	1.0
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.1
1,1-Dichloroethane	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
1,3-Dichloropropane	N.D.	0.1
2,2-Dichloropropane	N.D.	0.1
1,1-Dichloropropene	N.D.	0.1
cis-1,3-Dichloropropene	N.D.	0.1
trans-1,3-Dichloropropene	N.D.	0.1
Ethyl t-butyl ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
Hexachlorobutadiene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/17/2016 16:26

Group Number: 1628647

Analysis Name	Result	MDL
	ug/l	ug/l
Isopropylbenzene	N.D.	0.1
p-Isopropyltoluene	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.2
Naphthalene	N.D.	0.1
n-Propylbenzene	N.D.	0.1
Styrene	N.D.	0.1
1,1,1,2-Tetrachloroethane	N.D.	0.1
1,1,2,2-Tetrachloroethane	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,3-Trichlorobenzene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.1
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Trichlorofluoromethane	N.D.	0.1
1,2,3-Trichloropropane	N.D.	0.3
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1
Batch number: 16035B20A	Sample number(s): 8229524-8229525	
TPH-GRO water C6-C10	N.D.	20
Batch number: 16036C20A	Sample number(s): 8229526	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16034495601B	Sample number(s): 8229524-8229526	
Nitrate Nitrogen	N.D.	0.050
Sulfate	N.D.	0.30
Batch number: 16034834401A	Sample number(s): 8229526	
Ferrous Iron	N.D.	0.010

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: I160423AA	Sample number(s): 8229524-8229526								
Acrylonitrile	25	28.44	25	25.6	114	102	63-141	10	30
t-Amyl methyl ether	5.00	4.91	5.00	4.94	98	99	77-126	1	30
Benzene	5.00	4.77	5.00	4.71	95	94	80-120	1	30
Bromobenzene	5.00	4.97	5.00	4.88	99	98	80-120	2	30
Bromochloromethane	5.00	5.06	5.00	4.99	101	100	80-125	1	30
Bromodichloromethane	5.00	4.97	5.00	4.86	99	97	80-120	2	30
Bromoform	5.00	4.86	5.00	4.70	97	94	64-134	3	30
Bromomethane	5.00	4.25	5.00	4.21	85	84	71-126	1	30
t-Butyl Alcohol	50	55.31	50	49.72	111	99	77-130	11	30
n-Butylbenzene	5.00	5.07	5.00	4.96	101	99	80-120	2	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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/17/2016 16:26

Group Number: 1628647

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
sec-Butylbenzene	5.00	5.14	5.00	5.08	103	102	80-120	1	30
tert-Butylbenzene	5.00	5.20	5.00	5.07	104	101	80-120	3	30
Carbon Disulfide	5.00	4.51	5.00	4.44	90	89	70-128	1	30
Chlorobenzene	5.00	4.87	5.00	4.86	97	97	80-120	0	30
Chloroethane	5.00	4.22	5.00	4.16	84	83	71-122	2	30
Chloroform	5.00	4.92	5.00	4.85	98	97	80-120	1	30
Chloromethane	5.00	3.83	5.00	3.82	77	76	63-121	0	30
2-Chlorotoluene	5.00	4.94	5.00	4.88	99	98	80-120	1	30
4-Chlorotoluene	5.00	5.02	5.00	4.90	100	98	80-120	3	30
1,2-Dibromo-3-chloropropane	5.00	6.20	5.00	5.32	124	106	54-147	15	30
Dibromochloromethane	5.00	4.87	5.00	4.81	97	96	80-126	1	30
1,2-Dibromoethane	5.00	5.15	5.00	5.12	103	102	80-120	0	30
Dibromomethane	5.00	4.97	5.00	4.95	99	99	80-122	0	30
trans-1,4-Dichloro-2-butene	25	23.74	25	20.77	95	83	14-166	13	30
1,2-Dichlorobenzene	5.00	4.98	5.00	4.90	100	98	80-120	2	30
1,3-Dichlorobenzene	5.00	4.95	5.00	4.87	99	97	80-120	2	30
1,4-Dichlorobenzene	5.00	4.99	5.00	4.92	100	98	80-120	1	30
Dichlorodifluoromethane	5.00	3.65	5.00	3.54	73	71	35-142	3	30
1,1-Dichloroethane	5.00	4.71	5.00	4.65	94	93	80-120	1	30
1,2-Dichloroethane	5.00	4.73	5.00	4.70	95	94	80-125	1	30
1,1-Dichloroethene	5.00	4.75	5.00	4.64	95	93	80-120	2	30
cis-1,2-Dichloroethene	5.00	4.82	5.00	4.82	96	96	80-120	0	30
trans-1,2-Dichloroethene	5.00	4.91	5.00	4.89	98	98	80-120	0	30
1,2-Dichloropropane	5.00	4.95	5.00	4.88	99	98	80-120	1	30
1,3-Dichloropropane	5.00	4.90	5.00	4.85	98	97	80-120	1	30
2,2-Dichloropropane	5.00	4.89	5.00	4.86	98	97	77-127	1	30
1,1-Dichloropropene	5.00	4.61	5.00	4.60	92	92	80-120	0	30
cis-1,3-Dichloropropene	5.00	4.76	5.00	4.71	95	94	80-124	1	30
trans-1,3-Dichloropropene	5.00	4.91	5.00	4.90	98	98	76-132	0	30
Ethyl t-butyl ether	5.00	4.88	5.00	4.87	98	97	72-126	0	30
Ethylbenzene	5.00	4.97	5.00	4.91	99	98	80-120	1	30
Hexachlorobutadiene	5.00	5.09	5.00	5.01	102	100	74-123	2	30
di-Isopropyl Ether	5.00	4.94	5.00	4.99	99	100	71-130	1	30
Isopropylbenzene	5.00	5.19	5.00	5.20	104	104	80-120	0	30
p-Isopropyltoluene	5.00	5.11	5.00	5.05	102	101	80-120	1	30
Methyl Tertiary Butyl Ether	5.00	4.81	5.00	4.82	96	96	80-121	0	30
Methylene Chloride	5.00	4.70	5.00	4.63	94	93	80-120	1	30
Naphthalene	5.00	5.54	5.00	5.46	111	109	59-136	2	30
n-Propylbenzene	5.00	5.01	5.00	4.93	100	99	79-121	2	30
Styrene	5.00	5.23	5.00	5.21	105	104	80-122	0	30
1,1,1,2-Tetrachloroethane	5.00	5.13	5.00	5.09	103	102	80-120	1	30
1,1,2,2-Tetrachloroethane	5.00	4.92	5.00	4.78	98	96	80-120	3	30
Tetrachloroethene	5.00	4.89	5.00	4.83	98	97	80-120	1	30
Toluene	5.00	4.80	5.00	4.80	96	96	80-120	0	30
1,2,3-Trichlorobenzene	5.00	5.17	5.00	5.07	103	101	64-124	2	30
1,2,4-Trichlorobenzene	5.00	5.16	5.00	5.09	103	102	70-123	1	30
1,1,1-Trichloroethane	5.00	4.94	5.00	4.89	99	98	80-120	1	30
1,1,2-Trichloroethane	5.00	4.83	5.00	4.86	97	97	80-120	1	30
Trichloroethene	5.00	5.09	5.00	5.01	102	100	80-120	2	30
Trichlorofluoromethane	5.00	4.66	5.00	4.56	93	91	69-133	2	30
1,2,3-Trichloropropane	5.00	5.11	5.00	5.14	102	103	80-120	1	30
1,2,4-Trimethylbenzene	5.00	5.08	5.00	5.02	102	100	80-120	1	30
1,3,5-Trimethylbenzene	5.00	5.07	5.00	5.01	101	100	80-120	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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/17/2016 16:26

Group Number: 1628647

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	5.00	4.13	5.00	4.13	83	83	71-123	0	30
Xylene (Total)	15	14.94	15	14.92	100	99	80-120	0	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 16035B20A	Sample number(s): 8229524-8229525								
TPH-GRO water C6-C10	1100	1036.29			94		80-129		
Batch number: 16036C20A	Sample number(s): 8229526								
TPH-GRO water C6-C10	1100	1073.63	1100	1070.7	98	97	80-129	0	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16034495601B	Sample number(s): 8229524-8229526								
Nitrate Nitrogen	0.750	0.797			106		90-110		
Sulfate	7.50	7.77			104		90-110		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16034834401A	Sample number(s): 8229526								
Ferrous Iron	0.400	0.402			101		93-105		

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16035B20A	Sample number(s): 8229524-8229525 UNSPK: P227979									
TPH-GRO water C6-C10	N.D.	1100	1225.26	1100	1188.53	111	108	80-129	3	30
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16034495601B	Sample number(s): 8229524-8229526 UNSPK: P229412									
Nitrate Nitrogen	0.352	5.00	5.03			94		90-110		
Sulfate	101.75	200	304.39			101		90-110		
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16034834401A	Sample number(s): 8229526 UNSPK: P226430									
Ferrous Iron	2.19	4.00	5.99	4.00	6.18	95	100	93-105	3	6

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16034495601B	Sample number(s): 8229524-8229526 BKG: P229412			
Nitrate Nitrogen	0.352	0.310	13 (1)	15
Sulfate	101.75	102.7	1	15

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/17/2016 16:26

Group Number: 1628647

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16034834401A	Sample number(s): 8229526 BKG: P226430			
Ferrous Iron	2.19	2.11	4 (1)	5

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: I160423AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8229524	102	100	100	99
8229525	101	100	99	98
8229526	102	101	98	97
Blank	101	99	99	97
LCS	101	101	99	99
LCSD	100	99	100	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16035B20A

	Trifluorotoluene-F
8229524	92
8229525	89
Blank	90
LCS	102
MS	99
MSD	99
Limits:	63-135

Analysis Name: TPH-GRO water C6-C10
Batch number: 16036C20A

	Trifluorotoluene-F
8229526	92
Blank	91
LCS	100
LCSD	100
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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

MW COC

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1628647 Sample # 82295211-26

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

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

Project Manager: Peter Reichardt | P.O. #: 0402888-06-206

Sampler: Lindsay Keeney | PWSID #:

Phone #: 800-220-3606 x3726 | Quote #:

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

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Water: Ground	Water: Potable	Water: Surface	Water: NPDES	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-2	2-2-2016	1130	X				X					8	X	X	X								EQEDD file name:
MW-15D	↓	1455	X				X					8	X	X	X								Carroll Monrovia-lab
MW-18D		1700	X				X					11	X	X	X	X	X						report #.17953.
																							EQEDD.zip

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

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

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]	2-3-2016	0800	Denise Wooding	2-3-16	0800
Denise Wooding	2-3-16	1330	[signature]	2-3-16	1330
[signature]	2-3-16	1734			
			[signature]	2/3/16	1734

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 0.9 °C

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 135291

Group Number(s): 1628647

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/03/2016 17:34
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:	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 18:19 on 02/03/2016

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	0.9	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17601-2425

T 717-656-2300
F 717-656-2681
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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, and ISO 17025) 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

February 11, 2016

Project: Carroll Monrovia

Submittal Date: 02/03/2016
Group Number: 1628648
PO Number: 0402888-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3998-FARM Grab Potable Water	8229527

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

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

LL Sample # PW 8229527
LL Group # 1628648
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/02/2016 09:15 by LK

Submitted: 02/03/2016 17:34
Reported: 02/11/2016 08:40

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

3998F

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	G160391AA	02/08/2016 11:14	Jason M Long	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/11/2016 08:40

Group Number: 1628648

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.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: G160391AA	Sample number(s): 8229527	
t-Amyl Methyl Ether	N.D.	0.1
Benzene	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
Ethyl t-Butyl Ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
Styrene	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.2
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: G160391AA	Sample number(s): 8229527								
t-Amyl Methyl Ether	5.00	4.32			86		70-130		
Benzene	5.00	5.00			100		70-130		
t-Butyl Alcohol	50	64.84			130		70-130		
Carbon Tetrachloride	5.00	4.25			85		70-130		
Chlorobenzene	5.00	4.92			98		70-130		
1,2-Dichlorobenzene	5.00	4.75			95		70-130		
1,3-Dichlorobenzene	5.00	4.68			94		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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/11/2016 08:40

Group Number: 1628648

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloroethane	5.00	4.62			92		70-130		
1,1-Dichloroethene	5.00	4.67			93		70-130		
cis-1,2-Dichloroethene	5.00	4.63			93		70-130		
trans-1,2-Dichloroethene	5.00	4.89			98		70-130		
1,2-Dichloropropane	5.00	4.95			99		70-130		
Ethyl t-Butyl Ether	5.00	4.32			86		70-130		
Ethylbenzene	5.00	4.88			98		70-130		
di-Isopropyl Ether	5.00	4.75			95		70-130		
Methyl Tertiary Butyl Ether	5.00	4.56			91		70-130		
Methylene Chloride	5.00	4.47			89		70-130		
Naphthalene	5.00	4.91			98		70-130		
Styrene	5.00	5.00			100		70-130		
Tetrachloroethene	5.00	4.38			88		70-130		
Toluene	5.00	5.02			100		70-130		
1,2,4-Trichlorobenzene	5.00	4.40			88		70-130		
1,1,1-Trichloroethane	5.00	4.31			86		70-130		
1,1,2-Trichloroethane	5.00	5.07			101		70-130		
Trichloroethene	5.00	4.92			98		70-130		
Vinyl Chloride	2.00	1.86			93		70-130		
Xylene (Total)	15	14.61			97		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: G160391AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8229527	85	94
Blank	86	94
LCS	93	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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Potable COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1628648 Sample # 8229527

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Peter Reichardt	P.O. #: 0402888-06-209
Sampler: Lindsay Keeney	PWSID #:
Phone #: 800-220-3606 x3726	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	Soil	Sediment	Potable Water	Ground Water	Surface Water	NPDES	Other:	Total # of Containers	Full Suite VOCs incl. Oxygenates & Naphthalene (524.2)	Remarks
3998-FARM	2-2-2016	0915	X					X				3	X	EQEDD file name: 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]	2-2-16	1900	Denise Woodring	2-3-16	0800
Denise Woodring	2-3-16	1330	[signature]	2-3-16	1330
[signature]	2-3-16	1734			
Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____			Temperature upon receipt 0.9 °C		

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7045 0614

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Sample Administration Receipt Documentation Log

Doc Log ID: 135291

Group Number(s): 1628648

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/03/2016 17:34
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:	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 18:19 on 02/03/2016

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	0.9	DT	Wet	Y	Bagged	N

2425 New Holland Pike
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, and ISO 17025) 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

February 16, 2016

Project: Carroll Monrovia

Submittal Date: 02/04/2016
Group Number: 1629085
PO Number: 0402888-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-18S-R Grab Groundwater	8231751

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

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

LL Sample # WW 8231751
LL Group # 1629085
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/03/2016 12:15 by LK

Submitted: 02/04/2016 17:00
Reported: 02/16/2016 15:37

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.		1.0	1
02898	t-Amyl methyl ether	994-05-8	1.5		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	29		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	1.2		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	7.3		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	81		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-18S-R Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8231751
LL Group # 1629085
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/03/2016 12:15 by LK

Submitted: 02/04/2016 17:00
Reported: 02/16/2016 15:37

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.	0.1	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.	110	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.1	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	C160461AA	02/15/2016 08:56	Kerri E Legerlotz	10
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	I160462AA	02/15/2016 21:00	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160461AA	02/15/2016 08:56	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I160462AA	02/15/2016 21:00	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16039A20A	02/09/2016 16:39	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16039A20A	02/09/2016 16:39	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16035495901B	02/05/2016 06:13	James S Mathiot	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/16/2016 15:37

Group Number: 1629085

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: C160461AA	Sample number(s): 8231751	
Methyl Tertiary Butyl Ether	N.D.	0.1
Batch number: I160462AA	Sample number(s): 8231751	
Acrylonitrile	N.D.	1.0
t-Amyl methyl ether	N.D.	0.1
Benzene	N.D.	0.1
Bromobenzene	N.D.	0.1
Bromochloromethane	N.D.	0.1
Bromodichloromethane	N.D.	0.1
Bromoform	N.D.	0.1
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	4.0
n-Butylbenzene	N.D.	0.1
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Disulfide	N.D.	0.4
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.1
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.1
1,2-Dibromo-3-chloropropane	N.D.	0.2
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
trans-1,4-Dichloro-2-butene	N.D.	1.0
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.1
1,1-Dichloroethane	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
1,3-Dichloropropane	N.D.	0.1
2,2-Dichloropropane	N.D.	0.1
1,1-Dichloropropene	N.D.	0.1
cis-1,3-Dichloropropene	N.D.	0.1
trans-1,3-Dichloropropene	N.D.	0.1
Ethyl t-butyl ether	N.D.	0.1

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/16/2016 15:37

Group Number: 1629085

Analysis Name	Result	MDL
	ug/l	ug/l
Ethylbenzene	N.D.	0.1
Hexachlorobutadiene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1
Isopropylbenzene	N.D.	0.1
p-Isopropyltoluene	N.D.	0.1
Methylene Chloride	N.D.	0.2
Naphthalene	N.D.	0.1
n-Propylbenzene	N.D.	0.1
Styrene	N.D.	0.1
1,1,1,2-Tetrachloroethane	N.D.	0.1
1,1,2,2-Tetrachloroethane	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,3-Trichlorobenzene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.1
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Trichlorofluoromethane	N.D.	0.1
1,2,3-Trichloropropane	N.D.	0.3
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1
Batch number: 16039A20A	Sample number(s): 8231751	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16035495901B	Sample number(s): 8231751	
Nitrate Nitrogen	N.D.	0.050

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C160461AA	Sample number(s): 8231751								
Methyl Tertiary Butyl Ether	5.00	4.91	5.00	4.86	98	97	74-120	1	30
Batch number: I160462AA	Sample number(s): 8231751								
Acrylonitrile	25	31.45			126		68-135		
t-Amyl methyl ether	5.00	4.93			99		73-120		
Benzene	5.00	4.60			92		80-120		
Bromobenzene	5.00	4.77			95		80-120		
Bromochloromethane	5.00	4.90			98		80-125		
Bromodichloromethane	5.00	4.91			98		80-120		
Bromoform	5.00	4.94			99		62-128		
Bromomethane	5.00	3.78			76		71-126		
t-Butyl Alcohol	50	60.54			121		64-146		
n-Butylbenzene	5.00	4.66			93		80-120		
sec-Butylbenzene	5.00	4.74			95		80-120		
tert-Butylbenzene	5.00	4.85			97		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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/16/2016 15:37

Group Number: 1629085

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Carbon Disulfide	5.00	4.38			88		65-120		
Chlorobenzene	5.00	4.69			94		80-120		
Chloroethane	5.00	3.78			76		71-122		
Chloroform	5.00	4.71			94		80-120		
Chloromethane	5.00	3.29			66		63-121		
2-Chlorotoluene	5.00	4.71			94		80-120		
4-Chlorotoluene	5.00	4.70			94		80-120		
1,2-Dibromo-3-chloropropane	5.00	6.52			130		56-131		
Dibromochloromethane	5.00	4.87			97		68-131		
1,2-Dibromoethane	5.00	5.15			103		80-120		
Dibromomethane	5.00	5.02			100		80-122		
trans-1,4-Dichloro-2-butene	25	27.92			112		10-182		
1,2-Dichlorobenzene	5.00	4.70			94		80-120		
1,3-Dichlorobenzene	5.00	4.68			94		80-120		
1,4-Dichlorobenzene	5.00	4.71			94		80-120		
Dichlorodifluoromethane	5.00	2.71			54		35-142		
1,1-Dichloroethane	5.00	4.50			90		75-120		
1,2-Dichloroethane	5.00	4.88			98		72-127		
1,1-Dichloroethene	5.00	4.55			91		70-120		
cis-1,2-Dichloroethene	5.00	4.66			93		80-120		
trans-1,2-Dichloroethene	5.00	4.73			95		80-120		
1,2-Dichloropropane	5.00	4.76			95		80-120		
1,3-Dichloropropane	5.00	4.86			97		80-120		
2,2-Dichloropropane	5.00	4.62			92		64-126		
1,1-Dichloropropene	5.00	4.41			88		71-120		
cis-1,3-Dichloropropene	5.00	4.83			97		80-124		
trans-1,3-Dichloropropene	5.00	4.95			99		77-121		
Ethyl t-butyl ether	5.00	4.78			96		67-122		
Ethylbenzene	5.00	4.71			94		80-120		
Hexachlorobutadiene	5.00	4.51			90		69-120		
di-Isopropyl Ether	5.00	4.90			98		66-128		
Isopropylbenzene	5.00	4.89			98		80-120		
p-Isopropyltoluene	5.00	4.72			94		80-120		
Methylene Chloride	5.00	4.68			94		80-120		
Naphthalene	5.00	5.05			101		58-125		
n-Propylbenzene	5.00	4.67			93		79-120		
Styrene	5.00	5.02			100		80-122		
1,1,1,2-Tetrachloroethane	5.00	4.87			97		72-125		
1,1,2,2-Tetrachloroethane	5.00	4.88			98		80-120		
Tetrachloroethene	5.00	4.64			93		80-120		
Toluene	5.00	4.57			91		80-120		
1,2,3-Trichlorobenzene	5.00	4.47			89		59-120		
1,2,4-Trichlorobenzene	5.00	4.66			93		67-120		
1,1,1-Trichloroethane	5.00	4.68			94		70-124		
1,1,2-Trichloroethane	5.00	4.87			97		80-120		
Trichloroethene	5.00	4.81			96		80-120		
Trichlorofluoromethane	5.00	4.15			83		64-133		
1,2,3-Trichloropropane	5.00	5.20			104		80-120		
1,2,4-Trimethylbenzene	5.00	4.74			95		80-120		
1,3,5-Trimethylbenzene	5.00	4.74			95		80-120		
Vinyl Chloride	5.00	3.56			71		62-128		
Xylene (Total)	15	14.2			95		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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/16/2016 15:37

Group Number: 1629085

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 16039A20A	Sample number(s): 8231751								
TPH-GRO water C6-C10	1100	1057.35			96		80-129		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16035495901B	Sample number(s): 8231751								
Nitrate Nitrogen	0.750	0.716			95		90-110		

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: I160462AA	Sample number(s): 8231751 UNSPK: P242373									
Acrylonitrile	N.D.	25	23.1	25	27.22	92	109	68-135	16	30
t-Amyl methyl ether	N.D.	5.00	5.31	5.00	5.40	106	108	73-120	2	30
Benzene	N.D.	5.00	5.04	5.00	4.98	101	100	80-120	1	30
Bromobenzene	N.D.	5.00	4.89	5.00	4.81	98	96	80-120	2	30
Bromochloromethane	N.D.	5.00	5.50	5.00	5.51	110	110	80-125	0	30
Bromodichloromethane	N.D.	5.00	5.49	5.00	5.44	110	109	80-120	1	30
Bromoform	N.D.	5.00	5.29	5.00	5.29	106	106	62-128	0	30
Bromomethane	N.D.	5.00	3.95	5.00	4.25	79	85	71-126	7	30
t-Butyl Alcohol	N.D.	50	39.82	50	50.95	80	102	64-146	25	30
n-Butylbenzene	N.D.	5.00	4.67	5.00	4.60	93	92	80-120	1	30
sec-Butylbenzene	N.D.	5.00	4.86	5.00	4.82	97	96	80-120	1	30
tert-Butylbenzene	N.D.	5.00	4.93	5.00	4.88	99	98	80-120	1	30
Carbon Disulfide	N.D.	5.00	4.81	5.00	4.79	96	96	65-120	0	30
Chlorobenzene	N.D.	5.00	4.92	5.00	4.88	98	98	80-120	1	30
Chloroethane	N.D.	5.00	3.93	5.00	4.22	79	84	71-122	7	30
Chloroform	N.D.	5.00	5.12	5.00	5.03	102	101	80-120	2	30
Chloromethane	N.D.	5.00	3.41	5.00	3.71	68	74	63-121	9	30
2-Chlorotoluene	N.D.	5.00	4.67	5.00	4.66	93	93	80-120	0	30
4-Chlorotoluene	N.D.	5.00	4.76	5.00	4.68	95	94	80-120	2	30
1,2-Dibromo-3-chloropropane	N.D.	5.00	5.56	5.00	6.32	111	126	56-131	13	30
Dibromochloromethane	N.D.	5.00	5.31	5.00	5.27	106	105	68-131	1	30
1,2-Dibromoethane	N.D.	5.00	5.60	5.00	5.59	112	112	80-120	0	30
Dibromomethane	N.D.	5.00	5.64	5.00	5.57	113	111	80-122	1	30
trans-1,4-Dichloro-2-butene	N.D.	25	17.96	25	20.54	72	82	10-182	13	30
1,2-Dichlorobenzene	N.D.	5.00	4.82	5.00	4.75	96	95	80-120	2	30
1,3-Dichlorobenzene	N.D.	5.00	4.70	5.00	4.68	94	94	80-120	0	30
1,4-Dichlorobenzene	N.D.	5.00	4.78	5.00	4.73	96	95	80-120	1	30
Dichlorodifluoromethane	N.D.	5.00	2.90	5.00	3.04	58	61	35-142	5	30
1,1-Dichloroethane	N.D.	5.00	4.81	5.00	4.84	96	97	75-120	1	30
1,2-Dichloroethane	N.D.	5.00	5.49	5.00	5.46	110	109	72-127	1	30
1,1-Dichloroethene	N.D.	5.00	5.01	5.00	4.95	100	99	70-120	1	30
cis-1,2-Dichloroethene	N.D.	5.00	5.04	5.00	4.99	101	100	80-120	1	30
trans-1,2-Dichloroethene	N.D.	5.00	5.17	5.00	5.10	103	102	80-120	1	30
1,2-Dichloropropane	N.D.	5.00	5.27	5.00	5.23	105	105	80-120	1	30
1,3-Dichloropropane	N.D.	5.00	5.30	5.00	5.37	106	107	80-120	1	30
2,2-Dichloropropane	N.D.	5.00	5.09	5.00	5.12	102	102	64-126	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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/16/2016 15:37

Group Number: 1629085

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
1,1-Dichloropropene	N.D.	5.00	4.96	5.00	4.96	99	99	71-120	0	30
cis-1,3-Dichloropropene	N.D.	5.00	5.45	5.00	5.61	109	112	80-124	3	30
trans-1,3-Dichloropropene	N.D.	5.00	5.47	5.00	5.45	109	109	77-121	0	30
Ethyl t-butyl ether	N.D.	5.00	4.94	5.00	5.07	99	101	67-122	2	30
Ethylbenzene	N.D.	5.00	4.91	5.00	4.88	98	98	80-120	1	30
Hexachlorobutadiene	N.D.	5.00	4.68	5.00	4.57	94	91	69-120	2	30
di-Isopropyl Ether	N.D.	5.00	5.01	5.00	5.08	100	102	66-128	1	30
Isopropylbenzene	N.D.	5.00	5.11	5.00	5.08	102	102	80-120	1	30
p-Isopropyltoluene	N.D.	5.00	4.81	5.00	4.74	96	95	80-120	2	30
Methylene Chloride	N.D.	5.00	4.92	5.00	4.90	98	98	80-120	0	30
Naphthalene	N.D.	5.00	5.87	5.00	5.87	117	117	58-125	0	30
n-Propylbenzene	N.D.	5.00	4.74	5.00	4.72	95	94	79-120	1	30
Styrene	N.D.	5.00	5.26	5.00	5.22	105	104	80-122	1	30
1,1,1,2-Tetrachloroethane	N.D.	5.00	5.10	5.00	5.04	102	101	72-125	1	30
1,1,2,2-Tetrachloroethane	N.D.	5.00	5.08	5.00	5.13	102	103	80-120	1	30
Tetrachloroethene	N.D.	5.00	5.16	5.00	5.05	103	101	80-120	2	30
Toluene	N.D.	5.00	4.83	5.00	4.80	97	96	80-120	1	30
1,2,3-Trichlorobenzene	N.D.	5.00	4.87	5.00	4.76	97	95	59-120	2	30
1,2,4-Trichlorobenzene	N.D.	5.00	4.71	5.00	4.63	94	93	67-120	2	30
1,1,1-Trichloroethane	N.D.	5.00	5.23	5.00	5.14	105	103	70-124	2	30
1,1,2-Trichloroethane	N.D.	5.00	5.27	5.00	5.32	105	106	80-120	1	30
Trichloroethene	N.D.	5.00	5.39	5.00	5.30	108	106	80-120	2	30
Trichlorofluoromethane	N.D.	5.00	4.76	5.00	4.98	95	100	64-133	5	30
1,2,3-Trichloropropane	N.D.	5.00	5.57	5.00	5.52	111	110	80-120	1	30
1,2,4-Trimethylbenzene	N.D.	5.00	4.77	5.00	4.74	95	95	80-120	1	30
1,3,5-Trimethylbenzene	N.D.	5.00	4.78	5.00	4.72	96	94	80-120	1	30
Vinyl Chloride	N.D.	5.00	4.04	5.00	4.29	81	86	62-128	6	30
Xylene (Total)	N.D.	15	14.81	15	14.66	99	98	80-120	1	30
	ug/l	**ug/l**	**ug/l**	**ug/l**	**ug/l**					
Batch number: 16039A20A	Sample number(s): 8231751 UNSPK: P232737									
TPH-GRO water C6-C10	N.D.	1100	1232.29	1100	1198.04	112	109	80-129	3	30
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16035495901B	Sample number(s): 8231751 UNSPK: P231311									
Nitrate Nitrogen	0.546	10	10.27			97		90-110		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16035495901B	Sample number(s): 8231751 BKG: P231311			
Nitrate Nitrogen	0.546	0.525	4 (1)	15

Surrogate Quality Control

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/16/2016 15:37

Group Number: 1629085

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: I160462AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8231751	100	99	98	98
Blank	101	101	98	98
LCS	101	101	98	99
MS	104	113	95	101
MSD	104	113	96	102
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16039A20A

	Trifluorotoluene-F
8231751	92
Blank	91
LCS	104
MS	101
MSD	101
Limits:	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
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P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

MW COC

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1629085 Sample # 8231751

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Peter Reichardt	P.O. #: 0402888-06-206
Sampler: Lindsay Kearney	PWSID #:
Phone #: 800-220-3606 x3726	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Sediment	Water: Potable	Water: Ground	Water: NPDES	Water: Surface	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-FBS-R	2-3-2016	1215	X					X				8	X	X	X			EQEDD file name:
																		Carroll Monrovia-lab
																		report #.17953.
																		EQEDD.zip

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

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

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]	2-3-2016	1500	Denise Woodin	2-3-16	1530
Denise Woodin	2-4-16	10:20	[signature]	2/4/16	10:20
[signature]	2/4/16	17:00			
			[signature]	2/4/16	1700

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 0.4 °C

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 135407

Group Number(s): 1629085

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/04/2016 17:00
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 17:35 on 02/04/2016

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	0.4	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17601-2425
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, and ISO 17025) 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

February 15, 2016

Project: Carroll Monrovia

Submittal Date: 02/05/2016
Group Number: 1629461
PO Number: 0402888-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3740-BLUE-INF Grab Potable Water	8233495
3994-FARM-EFF Grab Potable Water	8233496
3994-FARM-MID2 Grab Potable Water	8233497
3994-FARM-INF Grab Potable Water	8233498
3997-FARM-EFF Grab Potable Water	8233499
3997-FARM-MID2 Grab Potable Water	8233500
3997-FARM-INF Grab Potable Water	8233501
3923-ROSE-EFF Grab Potable Water	8233502
3923-ROSE-MID2 Grab Potable Water	8233503
3923-ROSE-INF Grab Potable Water	8233504
GVP-EFF Grab Potable Water	8233505
GVP-MID Grab Potable Water	8233506
GVP-INF Grab Potable Water	8233507
GVP-FR941233 Grab Potable Water	8233508
GVP-FR941281 Grab Potable Water	8233509
3995-FARM-INF Grab Potable Water	8233510
3993-FARM-INF Grab Potable Water	8233511
3996-FARM-EFF Grab Potable Water	8233512
3996-FARM-MID2 Grab Potable Water	8233513
3996-FARM-INF Grab Potable Water	8233514

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

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ELECTRONIC COPY TO	GES, Inc.-MD	Attn: Data Distribution
ELECTRONIC COPY TO	GES Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

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

LL Sample # PW 8233495
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 08:10 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/08/2016 22:41	Sara E Johnson	1

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Analysis Report

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

LL Sample # PW 8233496
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 09:10 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/08/2016 23:05	Sara E Johnson	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 8233497
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 09:15 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/08/2016 23:30	Sara E Johnson	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 8233498
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 09:20 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	0.5		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	23		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	G160392AA	02/08/2016 23:53	Sara E Johnson	1
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	G160392AA	02/09/2016 00:17	Sara E Johnson	10

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Analysis Report

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

LL Sample # PW 8233499
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 09:40 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 00:42	Sara E Johnson	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 8233500
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 09:45 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 01:06	Sara E Johnson	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 8233501
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 09:50 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	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	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	G160392AA	02/09/2016 01:30	Sara E Johnson	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 8233502
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 10:10 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 01:54	Sara E Johnson	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 8233503
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 10:15 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 02:18	Sara E Johnson	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 8233504
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 10:20 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	0.4	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	G160392AA	02/09/2016 02:42	Sara E Johnson	1

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Analysis Report

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

LL Sample # PW 8233505
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 11:10 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 03:06	Sara E Johnson	1

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Analysis Report

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

LL Sample # PW 8233506
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 11:15 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 03:30	Sara E Johnson	1

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Analysis Report

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

LL Sample # PW 8233507
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 11:20 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	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	G160392AA	02/09/2016 03:55	Sara E Johnson	1

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Analysis Report

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

LL Sample # PW 8233508
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 11:35 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	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	G160392AA	02/09/2016 04:19	Sara E Johnson	1

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Analysis Report

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

LL Sample # PW 8233509
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 11:40 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	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	G160392AA	02/09/2016 04:43	Sara E Johnson	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 8233510
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 12:40 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	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	G160392AA	02/09/2016 05:07	Sara E Johnson	1

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Analysis Report

Sample Description: 3993-FARM-INF Grab Potable Water
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # PW 8233511
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 13:40 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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

3993I

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	G160392AA	02/09/2016 05:31	Sara E Johnson	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 8233512
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 16:10 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	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	G160392AA	02/09/2016 05:55	Sara E Johnson	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 8233513
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 16:15 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	G160392AA	02/09/2016 06:20	Sara E Johnson	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 8233514
LL Group # 1629461
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/04/2016 16:20 by JP

Submitted: 02/05/2016 16:45
Reported: 02/15/2016 15:05

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	0.1	J	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	5.8		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	G160392AA	02/09/2016 06:44	Sara E Johnson	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/15/2016 15:05

Group Number: 1629461

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.

Method Blank

Analysis Name	Result ug/l	MDL ug/l
Batch number: G160392AA	Sample number(s): 8233495-8233514	
t-Amyl Methyl Ether	N.D.	0.1
Benzene	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
Ethyl t-Butyl Ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
Styrene	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.2
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: G160392AA	Sample number(s): 8233495-8233514								
t-Amyl Methyl Ether	5.00	4.51			90		70-130		
Benzene	5.00	5.17			103		70-130		
t-Butyl Alcohol	50	41.9			84		70-130		
Carbon Tetrachloride	5.00	4.39			88		70-130		
Chlorobenzene	5.00	5.17			103		70-130		
1,2-Dichlorobenzene	5.00	4.74			95		70-130		
1,3-Dichlorobenzene	5.00	4.80			96		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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/15/2016 15:05

Group Number: 1629461

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloroethane	5.00	4.74			95		70-130		
1,1-Dichloroethene	5.00	4.67			93		70-130		
cis-1,2-Dichloroethene	5.00	4.90			98		70-130		
trans-1,2-Dichloroethene	5.00	5.06			101		70-130		
1,2-Dichloropropane	5.00	5.23			105		70-130		
Ethyl t-Butyl Ether	5.00	4.61			92		70-130		
Ethylbenzene	5.00	5.05			101		70-130		
di-Isopropyl Ether	5.00	4.89			98		70-130		
Methyl Tertiary Butyl Ether	5.00	4.68			94		70-130		
Methylene Chloride	5.00	4.86			97		70-130		
Naphthalene	5.00	4.71			94		70-130		
Styrene	5.00	5.22			104		70-130		
Tetrachloroethene	5.00	4.72			94		70-130		
Toluene	5.00	5.24			105		70-130		
1,2,4-Trichlorobenzene	5.00	4.28			86		70-130		
1,1,1-Trichloroethane	5.00	4.63			93		70-130		
1,1,2-Trichloroethane	5.00	5.19			104		70-130		
Trichloroethene	5.00	5.17			103		70-130		
Vinyl Chloride	2.00	1.98			99		70-130		
Xylene (Total)	15	15.41			103		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: G160392AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8233495	84	93
8233496	85	94
8233497	85	93
8233498	83	92
8233499	87	95
8233500	85	93
8233501	85	94
8233502	82	94
8233503	84	95
8233504	84	93
8233505	83	95
8233506	84	94
8233507	84	93
8233508	84	93
8233509	83	93
8233510	84	93
8233511	85	94
8233512	86	93
8233513	83	92
8233514	82	93
Blank	86	93
LCS	91	95

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/15/2016 15:05

Group Number: 1629461

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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Potable COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1629461 Sample # 82331195-S14

Client: Groundwater & Environmental Services, Inc. (GES)
Project Name/#: Carroll Monrovia | Site ID #: 0402888
Project Manager: Peter Reichardt | P.O. #: 0402888-06-209
Sampler: Jeff Plummer | PWSID #:
Phone #: 800-220-3606 x3726 | 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	Soil	Sediment	Potable Water	Ground Water	Surface Water	NPDES	Other:	Total # of Containers	Full Suite VOCs Incl. Oxygenates & Naphthalene (524.2)	Remarks
3740-BLUE-INF	2-4-16	0810	X					X				3	X	EQEDD file name:
3994-FARM-EFF	↓	0910	↓					↓				↓	↓	Carroll Monrovia-lab
3994-FARM-MID2		0915												report #.17953.
3994-FARM-INF		0920												EQEDD.zip
3997-FARM-EFF		0940												
3997-FARM-MID2		0945												
3997-FARM-INF		0950												
3923-ROSE-EFF		1010												
3923-ROSE-MID2	↓	1015	↓					↓				↓	↓	
3923-ROSE-INF	2-4-16	1020	X					X				3	X	

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

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	2-5-16	0800	Denise Woodring	2-5-16	0800
Denise Woodring	2-5-16	1330	[illegible]	2-5-16	1330
[illegible]	2-5-16	1645			
			[illegible]	2/5/16	1645

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 2.6 °C

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Potable COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1629461 Sample # 8233195-514

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

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

Project Manager: Peter Reichardt | P.O. #: 0402888-06-209

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x3726 | 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	Soil	Sediment	Potable	Ground	NPDES	Surface	Other:	Total # of Containers	Full Suite VOCs incl. Oxygenates & Naphthalene (524.2)	Remarks
GVP-EFF	2-4-16	1110	X					X				3	X	EQEDD file name:
GVP-MID		1115												Carroll Monrovia-lab
GVP-INF		1120												report #.17953.
GVP-FR941233		1135												EQEDD.zip
GVP-FR941281		1140												
3995-FARM-INF		1240												
3993-FARM-INF		1340												
3996-FARM-EFF		1610												
3996-FARM-MID2		1615												
3996-FARM-INF	2-4-16	1620	X					X				3	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	2-5-16	0800	Denise Woodring	2-5-16	0800
Denise Woodring	2-5-16	1330	[illegible]	2-5-16	1330
[illegible]	2-5-16	1645			
			[illegible]	2/5/16	1645

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 0.5 °C

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7045 0614

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Sample Administration Receipt Documentation Log

Doc Log ID: 135523

Group Number(s): 1629461

Client: GES

Carroll Monrovia

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/05/2016 16:45
Number of Packages:	1	Number of Projects:	2
State/Province of Origin:	VA		

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 17:01 on 02/05/2016

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	0.5	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, and ISO 17025) 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.

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

February 22, 2016

Project: Carroll Monrovia

Submittal Date: 02/11/2016
Group Number: 1630956
PO Number: 0402888-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3992-FARM-EFF Grab Potable Water	8240085
3992-FARM-MID2 Grab Potable Water	8240086
3992-FARM-INF Grab Potable Water	8240087
3990-FARM-EFF Grab Potable Water	8240088
3990-FARM-MID2 Grab Potable Water	8240089
3990-FARM-INF Grab Potable Water	8240090

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

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

LL Sample # PW 8240085
LL Group # 1630956
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/10/2016 09:10 by LK

Submitted: 02/11/2016 17:55
Reported: 02/22/2016 10:32

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	S160471AA	02/16/2016 13:06	Jason M Long	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 8240086
LL Group # 1630956
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/10/2016 09:15 by LK

Submitted: 02/11/2016 17:55
Reported: 02/22/2016 10:32

GES, Inc.
Suite A
1350 Blair Dr
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	S160471AA	02/16/2016 13:33	Jason M Long	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 8240087
LL Group # 1630956
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/10/2016 09:20 by LK

Submitted: 02/11/2016 17:55
Reported: 02/22/2016 10:32

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	1.3		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	5.0	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	74		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	S160481AA	02/17/2016 12:27	Jason M Long	1
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S160481AA	02/17/2016 13:25	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 8240088
LL Group # 1630956
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/10/2016 09:40 by LK

Submitted: 02/11/2016 17:55
Reported: 02/22/2016 10:32

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	S160471AA	02/16/2016 14:27	Jason M Long	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 8240089
LL Group # 1630956
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/10/2016 09:45 by LK

Submitted: 02/11/2016 17:55
Reported: 02/22/2016 10:32

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	S160471AA	02/16/2016 14:55	Jason M Long	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 8240090
LL Group # 1630956
Account # 08390

Project Name: Carroll Monrovia

Collected: 02/10/2016 09:50 by LK

Submitted: 02/11/2016 17:55
Reported: 02/22/2016 10:32

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	14	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	1.2		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	140		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	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	S160471AA	02/16/2016 15:49	Jason M Long	20
03648	VOCs- 25ml Water by 524.2	EPA 524.2	1	S160481AA	02/17/2016 12:58	Jason M Long	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/22/2016 10:32

Group Number: 1630956

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: S160471AA	Sample number(s): 8240085-8240086,8240088-8240090	
t-Amyl Methyl Ether	N.D.	0.1
Benzene	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
Ethyl t-Butyl Ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
Styrene	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.2
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1
Batch number: S160481AA	Sample number(s): 8240087,8240090	
t-Amyl Methyl Ether	N.D.	0.1
Benzene	N.D.	0.1
t-Butyl Alcohol	N.D.	5.0
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
Ethyl t-Butyl Ether	N.D.	0.1
Ethylbenzene	N.D.	0.1

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/22/2016 10:32

Group Number: 1630956

Analysis Name	Result ug/l	MDL ug/l
di-Isopropyl Ether	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
Styrene	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.2
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S160471AA	Sample number(s): 8240085-8240086,8240088-8240090								
t-Amyl Methyl Ether	5.00	5.20			104		70-130		
Benzene	5.00	5.22			104		70-130		
t-Butyl Alcohol	50	57			114		70-130		
Carbon Tetrachloride	5.00	5.19			104		70-130		
Chlorobenzene	5.00	5.37			107		70-130		
1,2-Dichlorobenzene	5.00	5.30			106		70-130		
1,3-Dichlorobenzene	5.00	5.15			103		70-130		
1,2-Dichloroethane	5.00	5.68			114		70-130		
1,1-Dichloroethene	5.00	5.11			102		70-130		
cis-1,2-Dichloroethene	5.00	5.20			104		70-130		
trans-1,2-Dichloroethene	5.00	5.27			105		70-130		
1,2-Dichloropropane	5.00	5.57			111		70-130		
Ethyl t-Butyl Ether	5.00	5.11			102		70-130		
Ethylbenzene	5.00	5.20			104		70-130		
di-Isopropyl Ether	5.00	5.49			110		70-130		
Methyl Tertiary Butyl Ether	5.00	5.40			108		70-130		
Methylene Chloride	5.00	5.67			113		70-130		
Naphthalene	5.00	4.78			96		70-130		
Styrene	5.00	5.55			111		70-130		
Tetrachloroethene	5.00	5.09			102		70-130		
Toluene	5.00	5.26			105		70-130		
1,2,4-Trichlorobenzene	5.00	4.94			99		70-130		
1,1,1-Trichloroethane	5.00	4.98			100		70-130		
1,1,2-Trichloroethane	5.00	5.37			107		70-130		
Trichloroethene	5.00	4.98			100		70-130		
Vinyl Chloride	2.00	2.04			102		70-130		
Xylene (Total)	15	15.96			106		70-130		
Batch number: S160481AA	Sample number(s): 8240087,8240090								
t-Amyl Methyl Ether	5.00	5.15			103		70-130		
Benzene	5.00	5.25			105		70-130		
t-Butyl Alcohol	50	58.5			117		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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/22/2016 10:32

Group Number: 1630956

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Carbon Tetrachloride	5.00	5.22			104		70-130		
Chlorobenzene	5.00	5.64			113		70-130		
1,2-Dichlorobenzene	5.00	5.20			104		70-130		
1,3-Dichlorobenzene	5.00	5.10			102		70-130		
1,2-Dichloroethane	5.00	5.84			117		70-130		
1,1-Dichloroethene	5.00	5.01			100		70-130		
cis-1,2-Dichloroethene	5.00	5.35			107		70-130		
trans-1,2-Dichloroethene	5.00	5.18			104		70-130		
1,2-Dichloropropane	5.00	5.68			114		70-130		
Ethyl t-Butyl Ether	5.00	5.09			102		70-130		
Ethylbenzene	5.00	5.31			106		70-130		
di-Isopropyl Ether	5.00	5.32			106		70-130		
Methyl Tertiary Butyl Ether	5.00	5.37			107		70-130		
Methylene Chloride	5.00	5.31			106		70-130		
Naphthalene	5.00	4.63			93		70-130		
Styrene	5.00	5.63			113		70-130		
Tetrachloroethene	5.00	5.18			104		70-130		
Toluene	5.00	5.36			107		70-130		
1,2,4-Trichlorobenzene	5.00	4.80			96		70-130		
1,1,1-Trichloroethane	5.00	4.99			100		70-130		
1,1,2-Trichloroethane	5.00	5.66			113		70-130		
Trichloroethene	5.00	5.13			103		70-130		
Vinyl Chloride	2.00	2.06			103		70-130		
Xylene (Total)	15	16.18			108		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: S160471AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8240085	82	83
8240086	82	84
8240088	84	85
8240089	85	85
Blank	87	87
LCS	102	107
Limits:	80-120	80-120

Analysis Name: VOCs- 25ml Water by 524.2
Batch number: S160481AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8240087	80	80
8240090	80	84
Blank	85	88
LCS	104	105

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 02/22/2016 10:32

Group Number: 1630956

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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1630956 Sample # 82410085-90

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402888
Project Manager: Peter Reichardt	P.O. #: 0402888-06-209
Sampler: Lindsay Keeney	PWSID #:
Phone #: 800-220-3606 x3726	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: Full Suite VOCs plus Oxygenates and Naphthalene (524.2)

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	Total # of Containers	Full Suite VOCs plus Oxygenates and Naphthalene (524.2)	Remarks
3992-FARM-EFF	2-10-2016	0910	X		3	X	EQEDD file name:
3992-FARM-MID2		0915	X		3	X	Carroll Monrovia-lab
3992-FARM-INF		0920	X		3	X	report #.17953.
3990-FARM-EFF		0940	X		3	X	EQEDD.zip
3990-FARM-MID2		0945	X		3	X	
3990-FARM-INF		0950	X		3	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
[signature]	2-10-2016	1900	Denise Wooding	2-11-16	0800
Denise Wooding	2-11-16	10:45	[signature]	2/11/16	10:45
[signature]	2/11/16	17:15			
			[signature]	2/11/16	1755

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.2 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 136108

Group Number(s): 1630956

Client: GES

Carroll Monrovia

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/11/2016 17:55
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:	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 18:52 on 02/11/2016

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	1.2	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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F | 717-656-2681
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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, and ISO 17025) 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

Report Date: March 14, 2016

Project: Carroll Monrovia

Submittal Date: 03/08/2016
Group Number: 1638493
PO Number: 0402993-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-11 Grab Groundwater	8276679
MW-9 Grab Groundwater	8276680
MW-16 Grab Groundwater	8276681
MW-14S Grab Groundwater	8276682

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

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

LL Sample # WW 8276679
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 11:50 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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 8276679
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 11:50 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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
	The holding time was not met. The client was notified and the data reported.				

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	C160702AA	03/11/2016 02:42	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160702AA	03/11/2016 02:42	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16069A20A	03/11/2016 20:56	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16069A20A	03/11/2016 20:56	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16069667601A	03/09/2016 16:28	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 8276680
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 13:05 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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	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-9 Grab Groundwater**
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8276680
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 13:05 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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	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	2.5	0.25	5
	The holding time was not met. The client was notified and the data reported.				

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	C160702AA	03/11/2016 03:05	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160702AA	03/11/2016 03:05	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16069A20A	03/11/2016 21:24	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16069A20A	03/11/2016 21:24	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16069667601B	03/09/2016 18:25	Drew M Gerhart	5

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Analysis Report

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

LL Sample # WW 8276681
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 14:20 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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	0.3	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-16 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8276681
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 14:20 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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	0.1 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
	The holding time was not met. The client was notified and the data reported.				

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	C160702AA	03/11/2016 03:27	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160702AA	03/11/2016 03:27	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16069A20A	03/11/2016 21:51	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16069A20A	03/11/2016 21:51	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16069667601A	03/09/2016 16:44	Drew M Gerhart	5

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

LL Sample # WW 8276682
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 15:15 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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	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-14S Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8276682
LL Group # 1638493
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/07/2016 15:15 by LK

Submitted: 03/08/2016 18:30
Reported: 03/14/2016 14:50

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	0.2 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	3.0	0.25	5

The holding time was not met. The client was notified and the data reported.

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	C160702AA	03/11/2016 03:49	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160702AA	03/11/2016 03:49	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16069A20A	03/11/2016 22:19	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16069A20A	03/11/2016 22:19	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16069667601A	03/09/2016 17:01	Drew M Gerhart	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/14/2016 14:50

Group Number: 1638493

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: C160702AA	Sample number(s): 8276679-8276682	
Acrylonitrile	N.D.	1.0
t-Amyl methyl ether	N.D.	0.1
Benzene	N.D.	0.1
Bromobenzene	N.D.	0.1
Bromochloromethane	N.D.	0.1
Bromodichloromethane	N.D.	0.1
Bromoform	N.D.	0.1
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	4.0
n-Butylbenzene	N.D.	0.1
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Disulfide	N.D.	0.4
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.1
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.1
1,2-Dibromo-3-chloropropane	N.D.	0.2
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
trans-1,4-Dichloro-2-butene	N.D.	1.0
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.1
1,1-Dichloroethane	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
1,3-Dichloropropane	N.D.	0.1
2,2-Dichloropropane	N.D.	0.1
1,1-Dichloropropene	N.D.	0.1
cis-1,3-Dichloropropene	N.D.	0.1
trans-1,3-Dichloropropene	N.D.	0.1
Ethyl t-butyl ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
Hexachlorobutadiene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/14/2016 14:50

Group Number: 1638493

Analysis Name	Result	MDL
	ug/l	ug/l
Isopropylbenzene	N.D.	0.1
p-Isopropyltoluene	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.2
Naphthalene	N.D.	0.1
n-Propylbenzene	N.D.	0.1
Styrene	N.D.	0.1
1,1,1,2-Tetrachloroethane	N.D.	0.1
1,1,2,2-Tetrachloroethane	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,3-Trichlorobenzene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.1
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Trichlorofluoromethane	N.D.	0.1
1,2,3-Trichloropropane	N.D.	0.3
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1
Batch number: 16069A20A	Sample number(s): 8276679-8276682	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16069667601A	Sample number(s): 8276679,8276681-8276682	
Nitrate Nitrogen	N.D.	0.050
Batch number: 16069667601B	Sample number(s): 8276680	
Nitrate Nitrogen	N.D.	0.050

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C160702AA	Sample number(s): 8276679-8276682								
Acrylonitrile	25	25.64	25	25.12	103	100	68-135	2	30
t-Amyl methyl ether	5.00	4.88	5.00	4.91	98	98	73-120	1	30
Benzene	5.00	4.69	5.00	4.75	94	95	80-120	1	30
Bromobenzene	5.00	5.25	5.00	5.28	105	106	80-120	1	30
Bromochloromethane	5.00	5.41	5.00	5.40	108	108	80-125	0	30
Bromodichloromethane	5.00	5.37	5.00	5.45	107	109	80-120	1	30
Bromoform	5.00	4.82	5.00	4.76	96	95	62-128	1	30
Bromomethane	5.00	5.48	5.00	5.51	110	110	71-126	1	30
t-Butyl Alcohol	50	69.36	50	68.25	139	137	64-146	2	30
n-Butylbenzene	5.00	5.09	5.00	5.13	102	103	80-120	1	30
sec-Butylbenzene	5.00	5.09	5.00	5.13	102	103	80-120	1	30
tert-Butylbenzene	5.00	5.47	5.00	5.55	109	111	80-120	1	30
Carbon Disulfide	5.00	4.65	5.00	4.66	93	93	65-120	0	30
Chlorobenzene	5.00	5.28	5.00	5.27	106	105	80-120	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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/14/2016 14:50

Group Number: 1638493

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroethane	5.00	5.17	5.00	5.14	103	103	71-122	0	30
Chloroform	5.00	4.92	5.00	4.92	98	98	80-120	0	30
Chloromethane	5.00	4.69	5.00	4.69	94	94	63-121	0	30
2-Chlorotoluene	5.00	5.22	5.00	5.31	104	106	80-120	2	30
4-Chlorotoluene	5.00	5.35	5.00	5.46	107	109	80-120	2	30
1,2-Dibromo-3-chloropropane	5.00	4.87	5.00	4.98	97	100	56-131	2	30
Dibromochloromethane	5.00	5.71	5.00	5.69	114	114	68-131	0	30
1,2-Dibromoethane	5.00	5.56	5.00	5.63	111	113	80-120	1	30
Dibromomethane	5.00	5.54	5.00	5.49	111	110	80-122	1	30
trans-1,4-Dichloro-2-butene	25	20.77	25	20.07	83	80	10-182	3	30
1,2-Dichlorobenzene	5.00	5.27	5.00	5.30	105	106	80-120	1	30
1,3-Dichlorobenzene	5.00	5.25	5.00	5.29	105	106	80-120	1	30
1,4-Dichlorobenzene	5.00	5.17	5.00	5.25	103	105	80-120	1	30
Dichlorodifluoromethane	5.00	5.17	5.00	5.22	103	104	35-142	1	30
1,1-Dichloroethane	5.00	4.35	5.00	4.38	87	88	75-120	1	30
1,2-Dichloroethane	5.00	4.87	5.00	4.89	97	98	72-127	0	30
1,1-Dichloroethene	5.00	4.95	5.00	4.90	99	98	70-120	1	30
cis-1,2-Dichloroethene	5.00	4.88	5.00	4.97	98	99	80-120	2	30
trans-1,2-Dichloroethene	5.00	4.87	5.00	4.89	97	98	80-120	0	30
1,2-Dichloropropane	5.00	4.77	5.00	4.80	95	96	80-120	1	30
1,3-Dichloropropane	5.00	5.12	5.00	5.08	102	102	80-120	1	30
2,2-Dichloropropane	5.00	5.13	5.00	5.19	103	104	64-126	1	30
1,1-Dichloropropene	5.00	4.27	5.00	4.33	85	87	71-120	1	30
cis-1,3-Dichloropropene	5.00	5.21	5.00	5.24	104	105	80-124	1	30
trans-1,3-Dichloropropene	5.00	5.09	5.00	5.12	102	102	77-121	1	30
Ethyl t-butyl ether	5.00	4.29	5.00	4.35	86	87	67-122	1	30
Ethylbenzene	5.00	4.94	5.00	5.03	99	101	80-120	2	30
Hexachlorobutadiene	5.00	4.29	5.00	4.23	86	85	69-120	1	30
di-Isopropyl Ether	5.00	3.99	5.00	4.05	80	81	66-128	1	30
Isopropylbenzene	5.00	5.02	5.00	5.07	100	101	80-120	1	30
p-Isopropyltoluene	5.00	5.17	5.00	5.22	103	104	80-120	1	30
Methyl Tertiary Butyl Ether	5.00	4.69	5.00	4.70	94	94	74-120	0	30
Methylene Chloride	5.00	4.69	5.00	4.78	94	96	80-120	2	30
Naphthalene	5.00	5.37	5.00	5.33	107	107	58-125	1	30
n-Propylbenzene	5.00	5.04	5.00	5.07	101	101	79-120	0	30
Styrene	5.00	5.50	5.00	5.55	110	111	80-122	1	30
1,1,1,2-Tetrachloroethane	5.00	5.51	5.00	5.51	110	110	72-125	0	30
1,1,2,2-Tetrachloroethane	5.00	5.48	5.00	5.46	110	109	80-120	0	30
Tetrachloroethene	5.00	4.74	5.00	4.77	95	95	80-120	1	30
Toluene	5.00	4.77	5.00	4.81	95	96	80-120	1	30
1,2,3-Trichlorobenzene	5.00	4.71	5.00	4.67	94	93	59-120	1	30
1,2,4-Trichlorobenzene	5.00	4.64	5.00	4.63	93	93	67-120	0	30
1,1,1-Trichloroethane	5.00	4.84	5.00	4.90	97	98	70-124	1	30
1,1,2-Trichloroethane	5.00	5.47	5.00	5.44	109	109	80-120	1	30
Trichloroethene	5.00	4.91	5.00	5.04	98	101	80-120	3	30
Trichlorofluoromethane	5.00	5.30	5.00	5.28	106	106	64-133	0	30
1,2,3-Trichloropropane	5.00	5.80	5.00	5.75	116	115	80-120	1	30
1,2,4-Trimethylbenzene	5.00	5.25	5.00	5.28	105	106	80-120	1	30
1,3,5-Trimethylbenzene	5.00	5.12	5.00	5.19	102	104	80-120	1	30
Vinyl Chloride	5.00	4.99	5.00	4.98	100	100	62-128	0	30
Xylene (Total)	15	15.24	15	15.48	102	103	80-120	2	30
	ug/l	ug/l	ug/l	ug/l					

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/14/2016 14:50

Group Number: 1638493

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 16069A20A	Sample number(s): 8276679-8276682								
TPH-GRO water C6-C10	1100	1002.2	1100	1005.92	91	91	80-120	0	30
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16069667601A	Sample number(s): 8276679,8276681-8276682								
Nitrate Nitrogen	0.750	0.724			97		90-110		
Batch number: 16069667601B	Sample number(s): 8276680								
Nitrate Nitrogen	0.750	0.724			97		90-110		

MS/MSD

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

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 16069667601A	Sample number(s): 8276679,8276681-8276682 UNSPK: P276767									
Nitrate Nitrogen	N.D.	5.00	4.66			93		90-110		
Batch number: 16069667601B	Sample number(s): 8276680 UNSPK: 8276680									
Nitrate Nitrogen	2.51	5.00	7.35			97		90-110		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16069667601A	Sample number(s): 8276679,8276681-8276682 BKG: P276767			
Nitrate Nitrogen	N.D.	N.D.	0 (1)	15
Batch number: 16069667601B	Sample number(s): 8276680 BKG: 8276680			
Nitrate Nitrogen	2.51	2.47	2 (1)	15

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: C160702AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8276679	110	108	91	87
8276680	109	109	91	87
8276681	110	107	92	87
8276682	110	109	92	87
Blank	103	106	93	88

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/14/2016 14:50

Group Number: 1638493

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
LCS	101	107	96	95
LCSD	100	103	96	94
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16069A20A

	Trifluorotoluene-F
8276679	88
8276680	88
8276681	88
8276682	87
Blank	90
LCS	100
LCSD	98
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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

MW COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8340 Group # 1638193 Sample # 8276679-82

Client: Groundwater & Environmental Services, Inc. (GES) 0402993

Project Name/#: Carroll Monrovia | Site ID #: ~~0402888 (2015 proj #)~~

Project Manager: Peter Reichardt | P.O. #: ~~0402888-06-206~~ 0402993-06-206

Sampler: Lindsay Keeney | PWSID #:

Phone #: 800-220-3606 x3726 | Quote #:

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

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Sediment	Potable	Ground Water	NPDES	Surface 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	3-7-16	1150	X					X				8	X	X	X								EQEDD file name:
MW-9	↓	1305	X					X				8	X	X	X								Carroll Monrovia-lab
MW-16		1420	X					X				8	X	X	X								report #.17953.
MW-14S		1515	X					X				8	X	X	X								EQEDD.zip

Matrix: Soil ☐ Sediment ☐ Potable ☐ Ground ☐ Surface ☐ 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

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]	3-8-16	0800	D Marple	3/8/16	0800
Donna Marple	3/8/16	1115	[signature]	3/8/16	1115
[signature]	3/8/16	1830			
			[signature]	3/8/16	1830

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 0.9 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 138746

Group Number(s): 1638193

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	03/08/2016 18:30
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 20:00 on 03/08/2016

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	0.9	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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F | 717-656-2681
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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, and ISO 17025) 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

Report Date: March 25, 2016

Project: Carroll Monrovia

Submittal Date: 03/09/2016
Group Number: 1639015
PO Number: 0402993-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-8 Grab Groundwater	8278756
MW-17 Grab Groundwater	8278757
MW-10 Grab Groundwater	8278758
MW-14D Grab Groundwater	8278759

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 Inc.	Attn: Pete Reichardt

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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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-8 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8278756
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 11:40 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	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-8 Grab Groundwater**
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8278756
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 11:40 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	2.2	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	C160753AA	03/16/2016	03:43	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160753AA	03/16/2016	03:43	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16071C20A	03/14/2016	03:06	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16071C20A	03/14/2016	03:06	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16070667901A	03/10/2016	10:14	Drew M Gerhart	5

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Analysis Report

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

LL Sample # WW 8278757
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 13:05 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	8.0	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	0.5	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	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	5.8		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-17 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8278757
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 13:05 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	2.4	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	C160753AA	03/16/2016	04:06	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160753AA	03/16/2016	04:06	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16071C20A	03/14/2016	03:33	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16071C20A	03/14/2016	03:33	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16070667901A	03/10/2016	10:27	Drew M Gerhart	5

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

LL Sample # WW 8278758
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 14:20 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	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-10 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8278758
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 14:20 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	0.2	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	3.2		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	C160753AA	03/16/2016	04:28	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160753AA	03/16/2016	04:28	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16071C20A	03/14/2016	04:01	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16071C20A	03/14/2016	04:01	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16070667901A	03/10/2016	10:41	Drew M Gerhart	5

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

LL Sample # WW 8278759
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 16:00 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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	0.3	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	11		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	1.3		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	44		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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2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

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

LL Sample # WW 8278759
LL Group # 1639015
Account # 08390

Project Name: Carroll Monrovia

Collected: 03/08/2016 16:00 by LK

Submitted: 03/09/2016 17:10
Reported: 03/25/2016 02:26

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.	61	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	32.9	1.5	5
	SM 3500-Fe B 1997		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	0.070	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	C160753AA	03/16/2016 04:51	Matthew S Krause	1
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C160763AA	03/17/2016 04:48	Matthew S Krause	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C160753AA	03/16/2016 04:51	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C160763AA	03/17/2016 04:48	Matthew S Krause	10
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16071C20A	03/14/2016 04:28	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16071C20A	03/14/2016 04:28	Jeremy C Giffin	1

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LL Sample # WW 8278759
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Suite A
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MV14D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	16070667901A	03/10/2016 10:55	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16070667901A	03/10/2016 10:55	Drew M Gerhart	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16080834401A	03/20/2016 06:45	Daniel S Smith	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/25/2016 02:26

Group Number: 1639015

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: C160753AA	Sample number(s): 8278756-8278759	
Acrylonitrile	N.D.	1.0
t-Amyl methyl ether	N.D.	0.1
Benzene	N.D.	0.1
Bromobenzene	N.D.	0.1
Bromochloromethane	N.D.	0.1
Bromodichloromethane	N.D.	0.1
Bromoform	N.D.	0.1
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	4.0
n-Butylbenzene	N.D.	0.1
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Disulfide	N.D.	0.4
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.1
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.1
1,2-Dibromo-3-chloropropane	N.D.	0.2
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
trans-1,4-Dichloro-2-butene	N.D.	1.0
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.1
1,1-Dichloroethane	N.D.	0.1
1,2-Dichloroethane	N.D.	0.1
1,1-Dichloroethene	N.D.	0.1
cis-1,2-Dichloroethene	N.D.	0.1
trans-1,2-Dichloroethene	N.D.	0.1
1,2-Dichloropropane	N.D.	0.1
1,3-Dichloropropane	N.D.	0.1
2,2-Dichloropropane	N.D.	0.1
1,1-Dichloropropene	N.D.	0.1
cis-1,3-Dichloropropene	N.D.	0.1
trans-1,3-Dichloropropene	N.D.	0.1
Ethyl t-butyl ether	N.D.	0.1
Ethylbenzene	N.D.	0.1
Hexachlorobutadiene	N.D.	0.1
di-Isopropyl Ether	N.D.	0.1

*- 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.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: GES, Inc.
Reported: 03/25/2016 02:26

Group Number: 1639015

Analysis Name	Result	MDL
	ug/l	ug/l
Isopropylbenzene	N.D.	0.1
p-Isopropyltoluene	N.D.	0.1
Methyl Tertiary Butyl Ether	N.D.	0.1
Methylene Chloride	N.D.	0.2
Naphthalene	N.D.	0.1
n-Propylbenzene	N.D.	0.1
Styrene	N.D.	0.1
1,1,1,2-Tetrachloroethane	N.D.	0.1
1,1,2,2-Tetrachloroethane	N.D.	0.1
Tetrachloroethene	N.D.	0.1
Toluene	N.D.	0.1
1,2,3-Trichlorobenzene	N.D.	0.1
1,2,4-Trichlorobenzene	N.D.	0.1
1,1,1-Trichloroethane	N.D.	0.1
1,1,2-Trichloroethane	N.D.	0.1
Trichloroethene	N.D.	0.1
Trichlorofluoromethane	N.D.	0.1
1,2,3-Trichloropropane	N.D.	0.3
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
Xylene (Total)	N.D.	0.1
Batch number: C160763AA	Sample number(s): 8278759	
Methyl Tertiary Butyl Ether	N.D.	0.1
Batch number: 16071C20A	Sample number(s): 8278756-8278759	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16070667901A	Sample number(s): 8278756-8278759	
Nitrate Nitrogen	N.D.	0.050
Sulfate	N.D.	0.30
Batch number: 16080834401A	Sample number(s): 8278759	
Ferrous Iron	N.D.	0.010

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: C160753AA	Sample number(s): 8278756-8278759								
Acrylonitrile	25	25.04	25	25.11	100	100	68-135	0	30
t-Amyl methyl ether	5.00	4.62	5.00	4.69	92	94	73-120	2	30
Benzene	5.00	4.63	5.00	4.67	93	93	80-120	1	30
Bromobenzene	5.00	5.00	5.00	4.97	100	99	80-120	1	30
Bromochloromethane	5.00	5.14	5.00	5.20	103	104	80-125	1	30
Bromodichloromethane	5.00	5.07	5.00	5.09	101	102	80-120	0	30
Bromoform	5.00	4.34	5.00	4.34	87	87	62-128	0	30
Bromomethane	5.00	5.13	5.00	5.03	103	101	71-126	2	30
t-Butyl Alcohol	50	63.58	50	67.31	127	135	64-146	6	30
n-Butylbenzene	5.00	5.13	5.00	5.09	103	102	80-120	1	30

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Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
sec-Butylbenzene	5.00	5.03	5.00	5.03	101	101	80-120	0	30
tert-Butylbenzene	5.00	5.31	5.00	5.36	106	107	80-120	1	30
Carbon Disulfide	5.00	4.69	5.00	4.70	94	94	65-120	0	30
Chlorobenzene	5.00	4.99	5.00	5.00	100	100	80-120	0	30
Chloroethane	5.00	4.99	5.00	4.85	100	97	71-122	3	30
Chloroform	5.00	4.75	5.00	4.73	95	95	80-120	0	30
Chloromethane	5.00	4.34	5.00	4.26	87	85	63-121	2	30
2-Chlorotoluene	5.00	5.06	5.00	5.04	101	101	80-120	0	30
4-Chlorotoluene	5.00	5.26	5.00	5.17	105	103	80-120	2	30
1,2-Dibromo-3-chloropropane	5.00	4.62	5.00	4.55	92	91	56-131	2	30
Dibromochloromethane	5.00	5.18	5.00	5.17	104	103	68-131	0	30
1,2-Dibromoethane	5.00	5.18	5.00	5.24	104	105	80-120	1	30
Dibromomethane	5.00	5.21	5.00	5.17	104	103	80-122	1	30
trans-1,4-Dichloro-2-butene	25	19.6	25	20.15	78	81	10-182	3	30
1,2-Dichlorobenzene	5.00	4.99	5.00	4.99	100	100	80-120	0	30
1,3-Dichlorobenzene	5.00	4.99	5.00	5.01	100	100	80-120	0	30
1,4-Dichlorobenzene	5.00	4.98	5.00	4.90	100	98	80-120	2	30
Dichlorodifluoromethane	5.00	4.12	5.00	4.05	82	81	35-142	2	30
1,1-Dichloroethane	5.00	4.31	5.00	4.31	86	86	75-120	0	30
1,2-Dichloroethane	5.00	4.72	5.00	4.64	94	93	72-127	2	30
1,1-Dichloroethene	5.00	4.87	5.00	4.83	97	97	70-120	1	30
cis-1,2-Dichloroethene	5.00	4.77	5.00	4.86	95	97	80-120	2	30
trans-1,2-Dichloroethene	5.00	4.80	5.00	4.78	96	96	80-120	0	30
1,2-Dichloropropane	5.00	4.74	5.00	4.70	95	94	80-120	1	30
1,3-Dichloropropane	5.00	4.90	5.00	4.84	98	97	80-120	1	30
2,2-Dichloropropane	5.00	5.12	5.00	5.10	102	102	64-126	0	30
1,1-Dichloropropene	5.00	4.26	5.00	4.26	85	85	71-120	0	30
cis-1,3-Dichloropropene	5.00	4.85	5.00	4.85	97	97	80-124	0	30
trans-1,3-Dichloropropene	5.00	4.83	5.00	4.82	97	96	77-121	0	30
Ethyl t-butyl ether	5.00	4.13	5.00	4.22	83	84	67-122	2	30
Ethylbenzene	5.00	4.80	5.00	4.83	96	97	80-120	1	30
Hexachlorobutadiene	5.00	4.01	5.00	3.96	80	79	69-120	1	30
di-Isopropyl Ether	5.00	3.96	5.00	3.98	79	80	66-128	0	30
Isopropylbenzene	5.00	4.82	5.00	4.84	96	97	80-120	0	30
p-Isopropyltoluene	5.00	5.03	5.00	5.02	101	100	80-120	0	30
Methyl Tertiary Butyl Ether	5.00	4.50	5.00	4.57	90	91	74-120	1	30
Methylene Chloride	5.00	4.67	5.00	4.68	93	94	80-120	0	30
Naphthalene	5.00	5.02	5.00	4.87	100	97	58-125	3	30
n-Propylbenzene	5.00	5.01	5.00	4.99	100	100	79-120	0	30
Styrene	5.00	5.19	5.00	5.26	104	105	80-122	1	30
1,1,1,2-Tetrachloroethane	5.00	5.09	5.00	5.05	102	101	72-125	1	30
1,1,2,2-Tetrachloroethane	5.00	5.30	5.00	5.23	106	105	80-120	1	30
Tetrachloroethene	5.00	4.55	5.00	4.57	91	91	80-120	0	30
Toluene	5.00	4.65	5.00	4.67	93	93	80-120	0	30
1,2,3-Trichlorobenzene	5.00	4.42	5.00	4.33	88	87	59-120	2	30
1,2,4-Trichlorobenzene	5.00	4.35	5.00	4.26	87	85	67-120	2	30
1,1,1-Trichloroethane	5.00	4.67	5.00	4.72	93	94	70-124	1	30
1,1,2-Trichloroethane	5.00	5.16	5.00	5.20	103	104	80-120	1	30
Trichloroethene	5.00	4.85	5.00	4.91	97	98	80-120	1	30
Trichlorofluoromethane	5.00	4.92	5.00	4.75	98	95	64-133	4	30
1,2,3-Trichloropropane	5.00	5.48	5.00	5.29	110	106	80-120	4	30
1,2,4-Trimethylbenzene	5.00	5.13	5.00	5.10	103	102	80-120	1	30
1,3,5-Trimethylbenzene	5.00	5.05	5.00	5.00	101	100	80-120	1	30

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Quality Control Summary

Client Name: GES, Inc.
Reported: 03/25/2016 02:26

Group Number: 1639015

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	5.00	4.65	5.00	4.62	93	92	62-128	1	30
Xylene (Total)	15	14.74	15	14.76	98	98	80-120	0	30
Batch number: C160763AA	Sample number(s): 8278759								
Methyl Tertiary Butyl Ether	5.00	4.42			88		74-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16071C20A	Sample number(s): 8278756-8278759								
TPH-GRO water C6-C10	1100	1072.76	1100	1034.09	98	94	80-120	4	30
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16070667901A	Sample number(s): 8278756-8278759								
Nitrate Nitrogen	0.750	0.699			93		90-110		
Sulfate	7.50	7.40			99		90-110		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16080834401A	Sample number(s): 8278759								
Ferrous Iron	0.400	0.403			101		93-105		

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: C160763AA	Sample number(s): 8278759 UNSPK: P282089									
Methyl Tertiary Butyl Ether	N.D.	50	41.98	50	43.14	84	86	74-120	3	30
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 16070667901A	Sample number(s): 8278756-8278759 UNSPK: P278727									
Nitrate Nitrogen	0.688	5.00	5.18			90		90-110		
Sulfate	218.14	500	706.12			98		90-110		
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 16080834401A	Sample number(s): 8278759 UNSPK: P290877									
Ferrous Iron	9.26	20	28.83	20	28.33	98	95	93-105	2	6

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16070667901A	Sample number(s): 8278756-8278759 BKG: P278727			
Nitrate Nitrogen	0.688	0.598	14 (1)	15
Sulfate	218.14	221.01	1 (1)	15

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Quality Control Summary

Client Name: GES, Inc.
Reported: 03/25/2016 02:26

Group Number: 1639015

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 16080834401A	Sample number(s): 8278759 BKG: P290877			
Ferrous Iron	9.26	9.31	1 (1)	5

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: C160753AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8278756	108	110	93	89
8278757	109	110	93	88
8278758	108	107	93	88
8278759	107	107	92	89
Blank	102	106	95	91
LCS	100	108	98	96
LCSD	100	106	98	96
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16071C20A

	Trifluorotoluene-F
8278756	88
8278757	78
8278758	78
8278759	93
Blank	77
LCS	99
LCSD	99
Limits:	63-135

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MW COC

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1639015 Sample # 8278756-59

Client: Groundwater & Environmental Services, Inc. (GES) 0402993	
Project Name/#: Carroll Monrovia	Site ID #: ~~0402888 (2015 proj #)~~
Project Manager: Peter Reichardt	P.O. #: ~~0402888-06-206~~
Sampler: Lindsay Keeney	PWSID #: 0402993-06-206
Phone #: 800-220-3606 x3726	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

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

Analyses Requested / Preservation Codes

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

Sample Identification	Collection Date	Collection Time	Grab	Composite	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-8	3-8-16	1140	X		8	X	X	X			EQEDD file name:
MW-17	↓	1305	X		8	X	X	X			Carroll Monrovia-lab
MW-10		1420	X		8	X	X	X			report #.17953.
MW-14D		1600	X		9	X	X	X	X	X	EQEDD.zip

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

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]	3-8-16	1600	Denise Wooding	3-9-16	0800
Denise Wooding	3-9-16	10:40	[signature]	3/9/16	10:40
[signature]	3/9/16	1710			
			[signature]	3/9/16	1710

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 4.6 °C

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 138893

Group Number(s): 1639015

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	03/09/2016 17:10
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 20:51 on 03/09/2016

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	4.6	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, and ISO 17025) 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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