APPENDIX C

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

Eurofins Lancaster
Laboratories ID Numbers:

1687215
1687671
1697497
1696841
1687214
1687670
1688254
1688852

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Analysis Report

REVISED

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: August 22, 2016

Project: Carroll Monrovia

Submittal Date: 07/26/2016
Group Number: 1687215
PO Number: 0402993-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3923-ROSE-EFF Grab Potable Water	8493688
3923-ROSE-MID2 Grab Potable Water	8493689
3923-ROSE-INF Grab Potable Water	8493690

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

REVISED

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

LL Sample # PW 8493688
LL Group # 1687215
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/22/2016 09:40 by JP

Submitted: 07/26/2016 17:45
Reported: 08/22/2016 12:02

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	0.2	J	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8493688
LL Group # 1687215
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/22/2016 09:40 by JP

Submitted: 07/26/2016 17:45
Reported: 08/22/2016 12:02

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

The recovery for Dichlorodifluoromethane in the Laboratory Fortified Blank is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: the analyte was reported for the sample as the compound was requested by the client after-the-fact.

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	S162091AA	07/27/2016 15:44	Joshua S Hess	1

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Analysis Report

REVISED

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

LL Sample # PW 8493689
LL Group # 1687215
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/22/2016 09:45 by JP

Submitted: 07/26/2016 17:45
Reported: 08/22/2016 12:02

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	0.4	J	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8493689
LL Group # 1687215
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/22/2016 09:45 by JP

Submitted: 07/26/2016 17:45
Reported: 08/22/2016 12:02

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

The recovery for Dichlorodifluoromethane in the Laboratory Fortified Blank is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: the analyte was reported for the sample as the compound was requested by the client after-the-fact.

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	S162091AA	07/27/2016 16:10	Joshua S Hess	1

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Analysis Report

REVISED

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

LL Sample # PW 8493690
LL Group # 1687215
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/22/2016 09:50 by JP

Submitted: 07/26/2016 17:45
Reported: 08/22/2016 12:02

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.2	J	0.1	1
03648	Chloromethane	74-87-3	0.3	J	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	1.2		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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.2	J	0.1	1

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Lancaster Laboratories Environmental
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Analysis Report

REVISED

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

LL Sample # PW 8493690
LL Group # 1687215
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/22/2016 09:50 by JP

Submitted: 07/26/2016 17:45
Reported: 08/22/2016 12:02

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

The recovery for Dichlorodifluoromethane in the Laboratory Fortified Blank is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: the analyte was reported for the sample as the compound was requested by the client after-the-fact.

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	S162091AA	07/27/2016 16:38	Joshua S Hess	1

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:02

Group Number: 1687215

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: S162091AA	Sample number(s): 8493688-8493690	
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.	0.2
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
n-Butylbenzene	N.D.	0.2
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.2
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.2
1,2-Dibromo-3-chloropropane	N.D.	0.4
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.2
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.	0.2
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
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

*- 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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:02

Group Number: 1687215

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
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.	0.2
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
Trichlorofluoromethane	N.D.	0.2
1,2,3-Trichloropropane	N.D.	0.2
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
m+p-Xylene	N.D.	0.2
o-Xylene	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: S162091AA	Sample number(s): 8493688-8493690								
t-Amyl Methyl Ether	5.00	4.46			89		70-130		
Benzene	5.00	5.45			109		70-130		
Bromobenzene	5.00	5.21			104		70-130		
Bromochloromethane	5.00	5.67			113		70-130		
Bromodichloromethane	5.00	6.03			121		70-130		
Bromoform	5.00	5.41			108		70-130		
Bromomethane	2.00	2.04			102		70-130		
t-Butyl Alcohol	50	53.34			107		70-130		
n-Butylbenzene	5.00	4.96			99		70-130		
sec-Butylbenzene	5.00	4.85			97		70-130		
tert-Butylbenzene	5.00	4.84			97		70-130		
Carbon Tetrachloride	5.00	5.08			102		70-130		
Chlorobenzene	5.00	5.33			107		70-130		
Chloroethane	2.00	2.04			102		70-130		
Chloroform	5.00	5.47			109		70-130		
Chloromethane	2.00	1.96			98		70-130		
2-Chlorotoluene	5.00	5.08			102		70-130		
4-Chlorotoluene	5.00	5.05			101		70-130		
1,2-Dibromo-3-chloropropane	5.00	5.01			100		70-130		
Dibromochloromethane	5.00	5.74			115		70-130		
1,2-Dibromoethane	5.00	5.58			112		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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:02

Group Number: 1687215

LCS/LCSD (continued)

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
Dibromomethane	5.00	5.79			116		70-130		
1,2-Dichlorobenzene	5.00	4.97			99		70-130		
1,3-Dichlorobenzene	5.00	4.94			99		70-130		
1,4-Dichlorobenzene	5.00	5.01			100		70-130		
Dichlorodifluoromethane	2.00	1.22			61*		70-130		
1,1-Dichloroethane	5.00	5.39			108		70-130		
1,2-Dichloroethane	5.00	5.30			106		70-130		
1,1-Dichloroethene	5.00	4.73			95		70-130		
cis-1,2-Dichloroethene	5.00	5.00			100		70-130		
trans-1,2-Dichloroethene	5.00	5.34			107		70-130		
1,2-Dichloropropane	5.00	5.58			112		70-130		
1,3-Dichloropropane	5.00	5.63			113		70-130		
2,2-Dichloropropane	5.00	4.84			97		70-130		
1,1-Dichloropropene	5.00	4.74			95		70-130		
cis-1,3-Dichloropropene	5.00	4.90			98		70-130		
trans-1,3-Dichloropropene	5.00	5.05			101		70-130		
Ethyl t-Butyl Ether	5.00	4.56			91		70-130		
Ethylbenzene	5.00	5.17			103		70-130		
di-Isopropyl Ether	5.00	5.29			106		70-130		
Isopropylbenzene	5.00	4.99			100		70-130		
p-Isopropyltoluene	5.00	4.82			96		70-130		
Methyl Tertiary Butyl Ether	5.00	4.82			96		70-130		
Methylene Chloride	5.00	5.48			110		70-130		
Naphthalene	5.00	4.33			87		70-130		
n-Propylbenzene	5.00	4.98			100		70-130		
Styrene	5.00	5.27			105		70-130		
1,1,1,2-Tetrachloroethane	5.00	5.30			106		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.36			107		70-130		
Tetrachloroethene	5.00	5.19			104		70-130		
Toluene	5.00	5.23			105		70-130		
1,2,3-Trichlorobenzene	5.00	4.56			91		70-130		
1,2,4-Trichlorobenzene	5.00	4.51			90		70-130		
1,1,1-Trichloroethane	5.00	4.94			99		70-130		
1,1,2-Trichloroethane	5.00	5.90			118		70-130		
Trichloroethene	5.00	5.20			104		70-130		
Trichlorofluoromethane	2.00	1.87			94		70-130		
1,2,3-Trichloropropane	5.00	5.42			108		70-130		
1,2,4-Trimethylbenzene	5.00	5.09			102		70-130		
1,3,5-Trimethylbenzene	5.00	5.03			101		70-130		
Vinyl Chloride	2.00	1.80			90		70-130		
m+p-Xylene	10	10.44			104		70-130		
o-Xylene	5.00	4.93			99		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.

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:02

Group Number: 1687215

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: Carroll Fuels Full VOCs 524.2
Batch number: S162091AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8493688	90	93
8493689	89	91
8493690	90	91
Blank	93	94
LCS	103	106
Limits:	80-120	80-120

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

AMENDED PER P. REICHARDT KNP 8/5/16

Potable COC

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Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # 1608715 Sample # _____

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

Project Name/#: Carroll Monrovia | Site ID #: 0402993

Project Manager: Peter Reichardt | P.O. #: 0402993-06-209

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 #: _____

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Potable Water	Ground	Surface	NPDES	Other:	Total # of Containers	Full Suite VOCs incl. Oxygenates & Naphthalene (SC-4742)	Target Suite VOCs plus Oxygenate	Naphthalene (EPA 524.2)
3923-ROSE-EFF	7-22-16	0940	X				X					3	X	*	
3923-ROSE-MID2	7-22-16	0945	X				X					3	X		
3923-ROSE-INF	7-22-16	0950	X				X					3	X		

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

Remarks: 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
Jeff Plummer	7-22-16	1230	Denise Woodring	7-22-16	1320
Denise Woodring	7-26-16	1423	[illegible]	7/26/16	1423

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

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7045 0614

* ALL SAMPLES SWITCHED TO FULL LIST PER P. REICHARDT. KNP 8/22/16

Potable COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1667215 Sample # 8493688-90

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402993
Project Manager: Peter Reichardt	P.O. #: 0402993-06-209
Sampler: Jeff Plummer	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	Sediment	Ground	Surface	Potable	NPDES	Soil	Water	Other:	Total # of Containers	Full Suite VOCs incl. Oxygenates & Naphthalene (SW-2)
3923-ROSE-EFF	7-22-16	0940	X								X		3	X
3923-ROSE-MID2	7-22-16	0945	X								X		3	X
3923-ROSE-INF	7-22-16	0950	X								X		3	X

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

Remarks
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
Jeff Plummer	7-22-16	1230	Denise Woodring	7-22-16	1320
Denise Woodring	7-26-16	1423	[illegible]	7/26/16	1425
[illegible]	7/26/16	17:45			
			[illegible]	7/26/16	1745

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 2.6 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 155240

Group Number(s): 1687215

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/26/2016 17:45
Number of Packages:	1	Number of Projects:	1

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 Karen Diem (3060) at 18:08 on 07/26/2016

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	DT131	2.6	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.

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.

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Analysis Report

REVISED

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: August 22, 2016

Project: Carroll Monrovia

Submittal Date: 07/27/2016
Group Number: 1687671
PO Number: 0402993-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3994-FARM-EFF Grab Potable Water	8495630
3994-FARM-MID2 Grab Potable Water	8495631
3994-FARM-INF Grab Potable Water	8495632
GVP-EFF Grab Potable Water	8495633
GVP-MID Grab Potable Water	8495634
GVP-INF Grab Potable Water	8495635
3990-FARM-EFF Grab Potable Water	8495636
3990-FARM-MID2 Grab Potable Water	8495637
3990-FARM-INF Grab Potable Water	8495638
GVP-FR941233 Grab Potable Water	8495639
GVP-FR941281 Grab Potable Water	8495640
3992-FARM-EFF Grab Potable Water	8495641
3992-FARM-MID2 Grab Potable Water	8495642
3992-FARM-INF Grab Potable Water	8495643
3997-FARM-EFF Grab Potable Water	8495644
3997-FARM-MID2 Grab Potable Water	8495645
3997-FARM-INF Grab Potable Water	8495646
3993-FARM-INF Grab Potable Water	8495647
3996-FARM-EFF Grab Potable Water	8495648
3996-FARM-MID2 Grab Potable Water	8495649
3996-FARM-INF Grab Potable Water	8495650

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/ .

REVISED

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

REVISED

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

LL Sample # PW 8495630
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 08:40 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495630
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 08:40 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 14:58	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495631
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 08:45 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495631
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 08:45 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 15:21	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495632
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 08:50 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	J	0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	0.4	J	0.1	1
03648	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	29		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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495632
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 08:50 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 15:45	Don V Viray	1
03648	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162121AA	07/30/2016 18:20	Joshua S Hess	10

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Analysis Report

REVISED

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

LL Sample # PW 8495633
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495633
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 16:08	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495634
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.3	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495634
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 16:32	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495635
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.5	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495635
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 16:55	Don V Viray	1

REVISED

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

LL Sample # PW 8495636
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:40 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495636
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:40 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 17:18	Don V Viray	1

REVISED

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

LL Sample # PW 8495637
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:45 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495637
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:45 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 17:41	Don V Viray	1

REVISED

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

LL Sample # PW 8495638
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:50 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	1.6		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	10	J	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.1	J	0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	0.9		0.1	1
03648	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	96		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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495638
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 10:50 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 18:04	Don V Viray	1
03648	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162121AA	07/30/2016 18:43	Joshua S Hess	10

REVISED

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

LL Sample # PW 8495639
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 11:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495639
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 11:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 18:28	Don V Viray	1

REVISED

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

LL Sample # PW 8495640
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 11:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.	0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	1	0.1	1
03648	Methylene Chloride	75-09-2	N.D.	0.3	1
03648	Naphthalene	91-20-3	N.D.	0.2	1
03648	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495640
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 11:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 18:51	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495641
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 13:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495641
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 13:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162101AA	07/28/2016 19:15	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495642
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 13:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	0.1	J	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495642
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 13:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 15:51	Don V Viray	1

REVISED

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

LL Sample # PW 8495643
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 13:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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

3992I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	0.9		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	9.7	J	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.1	J	0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	0.6		0.1	1
03648	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	53		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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495643
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 13:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 18:58	Don V Viray	1
03648	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 19:21	Don V Viray	10

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Analysis Report

REVISED

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

LL Sample # PW 8495644
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495644
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 16:14	Don V Viray	1

REVISED

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

LL Sample # PW 8495645
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495645
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 16:38	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495646
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.1	J	0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.6		0.1	1
03648	Methylene Chloride	75-09-2	N.D.		0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.1	J	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495646
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 17:01	Don V Viray	1

REVISED

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

LL Sample # PW 8495647
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:40 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.2	J	0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	0.3	J	0.3	1
03648	Naphthalene	91-20-3	N.D.		0.2	1
03648	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495647
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 15:40 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 17:24	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495648
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 16:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.	0.1	1
03648	Bromochloromethane	74-97-5	N.D.	0.1	1
03648	Bromodichloromethane	75-27-4	N.D.	0.1	1
03648	Bromoform	75-25-2	N.D.	0.2	1
03648	Bromomethane	74-83-9	N.D.	0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.	0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.	0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.	0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.	0.1	1
03648	Chlorobenzene	108-90-7	N.D.	0.1	1
03648	Chloroethane	75-00-3	N.D.	0.2	1
03648	Chloroform	67-66-3	N.D.	0.1	1
03648	Chloromethane	74-87-3	N.D.	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.	0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.	0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	1
03648	Dibromochloromethane	124-48-1	N.D.	0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.	0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.	0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.	0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.	0.1	1
03648	Styrene	100-42-5	N.D.	0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
03648	Tetrachloroethene	127-18-4	N.D.	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495648
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 16:10 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 17:47	Don V Viray	1

REVISED

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

LL Sample # PW 8495649
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 16:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	4.3	J	2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495649
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 16:15 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 18:11	Don V Viray	1

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Analysis Report

REVISED

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

LL Sample # PW 8495650
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 16:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	0.1	J	0.1	1
03648	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	7.9		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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	0.1	J	0.1	1

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Analysis Report

REVISED

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

LL Sample # PW 8495650
LL Group # 1687671
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 16:20 by JP

Submitted: 07/27/2016 18:15
Reported: 08/22/2016 12:01

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162111AA	07/29/2016 18:34	Don V Viray	1

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

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: K162101AA	Sample number(s): 8495630-8495641	
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.	0.2
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
n-Butylbenzene	N.D.	0.2
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.2
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.2
1,2-Dibromo-3-chloropropane	N.D.	0.4
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.2
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.	0.2
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
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

*- 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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
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.	0.2
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
Trichlorofluoromethane	N.D.	0.2
1,2,3-Trichloropropane	N.D.	0.2
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
m+p-Xylene	N.D.	0.2
o-Xylene	N.D.	0.1
Batch number: K162111AA	Sample number(s): 8495642-8495650	
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.	0.2
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
n-Butylbenzene	N.D.	0.2
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.2
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.2
1,2-Dibromo-3-chloropropane	N.D.	0.4
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.2
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

*- 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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
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.	0.2
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
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.	0.3
Naphthalene	N.D.	0.2
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.	0.2
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
Trichlorofluoromethane	N.D.	0.2
1,2,3-Trichloropropane	N.D.	0.2
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
m+p-Xylene	N.D.	0.2
o-Xylene	N.D.	0.1
Batch number: K162121AA	Sample number(s): 8495632,8495638	
Methyl Tertiary Butyl Ether	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: K162101AA	Sample number(s): 8495630-8495641								
t-Amyl Methyl Ether	5.00	4.33			87		70-130		
Benzene	5.00	4.90			98		70-130		
Bromobenzene	5.00	5.47			109		70-130		
Bromochloromethane	5.00	5.24			105		70-130		
Bromodichloromethane	5.00	5.32			106		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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

LCS/LCSD (continued)

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
Bromoform	5.00	5.17			103		70-130		
Bromomethane	2.00	2.23			112		70-130		
t-Butyl Alcohol	50	56.47			113		70-130		
n-Butylbenzene	5.00	5.29			106		70-130		
sec-Butylbenzene	5.00	5.12			102		70-130		
tert-Butylbenzene	5.00	5.00			100		70-130		
Carbon Tetrachloride	5.00	5.05			101		70-130		
Chlorobenzene	5.00	5.11			102		70-130		
Chloroethane	2.00	2.26			113		70-130		
Chloroform	5.00	5.29			106		70-130		
Chloromethane	2.00	2.41			120		70-130		
2-Chlorotoluene	5.00	5.26			105		70-130		
4-Chlorotoluene	5.00	5.30			106		70-130		
1,2-Dibromo-3-chloropropane	5.00	5.09			102		70-130		
Dibromochloromethane	5.00	5.11			102		70-130		
1,2-Dibromoethane	5.00	5.12			102		70-130		
Dibromomethane	5.00	5.36			107		70-130		
1,2-Dichlorobenzene	5.00	5.62			112		70-130		
1,3-Dichlorobenzene	5.00	5.43			109		70-130		
1,4-Dichlorobenzene	5.00	5.58			112		70-130		
Dichlorodifluoromethane	2.00	2.21			111		70-130		
1,1-Dichloroethane	5.00	5.20			104		70-130		
1,2-Dichloroethane	5.00	5.64			113		70-130		
1,1-Dichloroethene	5.00	4.44			89		70-130		
cis-1,2-Dichloroethene	5.00	4.90			98		70-130		
trans-1,2-Dichloroethene	5.00	4.91			98		70-130		
1,2-Dichloropropane	5.00	5.51			110		70-130		
1,3-Dichloropropane	5.00	5.19			104		70-130		
2,2-Dichloropropane	5.00	5.13			103		70-130		
1,1-Dichloropropene	5.00	4.65			93		70-130		
cis-1,3-Dichloropropene	5.00	4.89			98		70-130		
trans-1,3-Dichloropropene	5.00	5.25			105		70-130		
Ethyl t-Butyl Ether	5.00	4.82			96		70-130		
Ethylbenzene	5.00	4.94			99		70-130		
di-Isopropyl Ether	5.00	4.84			97		70-130		
Isopropylbenzene	5.00	4.95			99		70-130		
p-Isopropyltoluene	5.00	5.11			102		70-130		
Methyl Tertiary Butyl Ether	5.00	4.93			99		70-130		
Methylene Chloride	5.00	4.85			97		70-130		
Naphthalene	5.00	4.15			83		70-130		
n-Propylbenzene	5.00	5.31			106		70-130		
Styrene	5.00	5.16			103		70-130		
1,1,1,2-Tetrachloroethane	5.00	5.15			103		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.41			108		70-130		
Tetrachloroethene	5.00	4.83			97		70-130		
Toluene	5.00	5.10			102		70-130		
1,2,3-Trichlorobenzene	5.00	4.54			91		70-130		
1,2,4-Trichlorobenzene	5.00	4.57			91		70-130		
1,1,1-Trichloroethane	5.00	4.94			99		70-130		
1,1,2-Trichloroethane	5.00	5.36			107		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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

LCS/LCSD (continued)

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
Trichloroethene	5.00	4.81			96		70-130		
Trichlorofluoromethane	2.00	2.37			118		70-130		
1,2,3-Trichloropropane	5.00	5.69			114		70-130		
1,2,4-Trimethylbenzene	5.00	5.21			104		70-130		
1,3,5-Trimethylbenzene	5.00	5.18			104		70-130		
Vinyl Chloride	2.00	2.28			114		70-130		
m+p-Xylene	10	10.32			103		70-130		
o-Xylene	5.00	4.71			94		70-130		
Batch number: K162111AA	Sample number(s): 8495642-8495650								
t-Amyl Methyl Ether	5.00	3.90			78		70-130		
Benzene	5.00	4.53			91		70-130		
Bromobenzene	5.00	4.84			97		70-130		
Bromochloromethane	5.00	4.83			97		70-130		
Bromodichloromethane	5.00	4.61			92		70-130		
Bromoform	5.00	4.92			98		70-130		
Bromomethane	2.00	2.04			102		70-130		
t-Butyl Alcohol	50	50.39			101		70-130		
n-Butylbenzene	5.00	4.67			93		70-130		
sec-Butylbenzene	5.00	4.53			91		70-130		
tert-Butylbenzene	5.00	4.39			88		70-130		
Carbon Tetrachloride	5.00	4.45			89		70-130		
Chlorobenzene	5.00	4.70			94		70-130		
Chloroethane	2.00	2.10			105		70-130		
Chloroform	5.00	4.79			96		70-130		
Chloromethane	2.00	2.11			105		70-130		
2-Chlorotoluene	5.00	4.70			94		70-130		
4-Chlorotoluene	5.00	4.85			97		70-130		
1,2-Dibromo-3-chloropropane	5.00	4.61			92		70-130		
Dibromochloromethane	5.00	4.61			92		70-130		
1,2-Dibromoethane	5.00	4.69			94		70-130		
Dibromomethane	5.00	4.79			96		70-130		
1,2-Dichlorobenzene	5.00	5.15			103		70-130		
1,3-Dichlorobenzene	5.00	4.81			96		70-130		
1,4-Dichlorobenzene	5.00	5.07			101		70-130		
Dichlorodifluoromethane	2.00	1.82			91		70-130		
1,1-Dichloroethane	5.00	4.86			97		70-130		
1,2-Dichloroethane	5.00	5.19			104		70-130		
1,1-Dichloroethene	5.00	4.52			90		70-130		
cis-1,2-Dichloroethene	5.00	4.51			90		70-130		
trans-1,2-Dichloroethene	5.00	4.75			95		70-130		
1,2-Dichloropropane	5.00	5.00			100		70-130		
1,3-Dichloropropane	5.00	4.65			93		70-130		
2,2-Dichloropropane	5.00	4.51			90		70-130		
1,1-Dichloropropene	5.00	4.32			86		70-130		
cis-1,3-Dichloropropene	5.00	4.53			91		70-130		
trans-1,3-Dichloropropene	5.00	4.83			97		70-130		
Ethyl t-Butyl Ether	5.00	4.46			89		70-130		
Ethylbenzene	5.00	4.47			89		70-130		
di-Isopropyl Ether	5.00	4.51			90		70-130		
Isopropylbenzene	5.00	4.49			90		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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

LCS/LCSD (continued)

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	4.56			91		70-130		
Methyl Tertiary Butyl Ether	5.00	4.62			92		70-130		
Methylene Chloride	5.00	4.65			93		70-130		
Naphthalene	5.00	3.99			80		70-130		
n-Propylbenzene	5.00	4.61			92		70-130		
Styrene	5.00	4.68			94		70-130		
1,1,1,2-Tetrachloroethane	5.00	4.60			92		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.11			102		70-130		
Tetrachloroethene	5.00	4.31			86		70-130		
Toluene	5.00	4.56			91		70-130		
1,2,3-Trichlorobenzene	5.00	4.27			85		70-130		
1,2,4-Trichlorobenzene	5.00	4.10			82		70-130		
1,1,1-Trichloroethane	5.00	4.47			89		70-130		
1,1,2-Trichloroethane	5.00	4.84			97		70-130		
Trichloroethene	5.00	4.30			86		70-130		
Trichlorofluoromethane	2.00	2.18			109		70-130		
1,2,3-Trichloropropane	5.00	5.12			102		70-130		
1,2,4-Trimethylbenzene	5.00	4.68			94		70-130		
1,3,5-Trimethylbenzene	5.00	4.62			92		70-130		
Vinyl Chloride	2.00	2.04			102		70-130		
m+p-Xylene	10	9.13			91		70-130		
o-Xylene	5.00	4.25			85		70-130		
Batch number: K162121AA	Sample number(s): 8495632,8495638								
Methyl Tertiary Butyl Ether	5.00	4.85			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: Carroll Fuels Full VOCs 524.2
Batch number: K162101AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8495630	90	108
8495631	88	106
8495632	88	104
8495633	89	107
8495634	89	108
8495635	88	109
8495636	89	110
8495637	87	109
8495638	82	102
8495639	87	107
8495640	89	109
8495641	88	108
Blank	93	110
LCS	106	117

*- 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.

REVISED

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/22/2016 12:01

Group Number: 1687671

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.

Limits: 80-120 80-120

Analysis Name: Carroll Fuels Full VOCs 524.2
Batch number: K162111AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8495642	84	100
8495643	81	99
8495644	85	102
8495645	84	101
8495646	85	105
8495647	84	104
8495648	88	104
8495649	84	103
8495650	83	100
Blank	87	99
LCS	101	109
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

Page 1 of 3

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # 160767 _____ Sample # _____

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

Project Name/#: Carroll Monrovia | Site ID #: 0402993

Project Manager: Peter Reichardt | P.O. #: 0402993-06-209

Sampler: Jeff Plummer | 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	Potable Water	Ground Water	Surface Water	NPDES	Other:	Total # of Containers	Full Suite VOCs Oxygenates & Naphthalene (524.2)	* Target Suite VOCs plus Oxygenates and Naphthalene (EPA 524.2)
3994-FARM-EFF	7-26-16	0840	X					X				3	X	
3994-FARM-MID2	↓	0845	↓					↓				↓	↓	
3994-FARM-INF	↓	0850	↓					↓				↓	↓	
GVP-EFF	↓	1010	↓					↓				↓	↓	
GVP-MID	↓	1015	↓					↓				↓	↓	
GVP-INF	↓	1020	↓					↓				↓	↓	
3990-FARM-EFF	↓	1040	↓					↓				↓	↓	
3990-FARM-MID2	↓	1045	↓					↓				↓	↓	
3990-FARM-INF	↓	1050	↓					↓				↓	↓	
GVP-FRY41233	7-26-16	1115	X					X				3	X	

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

Remarks
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
Jeff Plummer	7-27-16	0800	Denise Woodring	7-27-16	0800
Denise Woodring	7-27-16	1235	[illegible]	7/27/16	1:35

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

APPROVED
By Pete Reichardt at 1:40 pm, Aug 04, 2016

* ALL SAMPLES SWITCHED TO FULL LIST PER P. REICHARDT. KAP 8/22/16

Potable COC

page 2 of 3

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

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

Project Name/#: Carroll Monrovia | Site ID #: 0402993

Project Manager: Peter Reichardt | P.O. #: 0402993-06-209

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 #: _____

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Potable Water	Ground	Surface	NPDES	Other:	Total # of Containers	Full Suite VOCs incl. Oxygenates & Naphthalene (SW-846)	Target Suite VOCs plus Oxygenates & Naphthalene (EPA 524.2)
GVP-FR941281	7-26-16	1120	X				X					3	X	
3992-FARM-EFF	↓	1310	↓				↓					↓	↓	
3992-FARM-MID2		1315												
3992-FARM-INF		1320												
3997-FARM-EFF		1510												
3997-FARM-MID2		1515												
3997-FARM-INF		1520												
3993-FARM-INF		1540												
3996-FARM-EFF	↓	1610	↓				↓					↓	↓	
3996-FARM-MID2	7-26-16	1615	X				X					3	X	

Analyses Requested / Preservation Codes

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

Remarks: 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
Jeff Plummer	7-27-16	0800	Denise Woodring	7-27-16	0800
Denise Woodring	7-27-16	1235	[illegible]	7/27/16	[illegible]

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

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7045 0614

Potable COC

eurofins | Lancaster Laboratories Environmental

Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____

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

Project Name/#: Carroll Monrovia | Site ID #: 0402993

Project Manager: Peter Reichardt | P.O. #: 0402993-06-209

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 #: _____

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Potable Water	Ground	Surface	NPDES	Other:	Total # of Containers	Fe/Mn/Ch-VOCs,Ind. Oxygenates & Naphthalene (524.2)	Target Suite VOCs plus Oxygenates and Naphthalene (EPA 524.2)
3996-FARM-INF	7-26-16	1620	X				X					3	X	

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

Remarks:
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
Jeff Plummer	7-27-16	0800	Denise Wooding	7-27-16	0800
Denise Wooding	7-27-16	1235	[illegible]	7/27/16	1235

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

~~PAME~~

page 1 of 3

Potable COC

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1687671 Sample # 8495630-50

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402993
Project Manager: Peter Reichardt	P.O. #: 0402993-06-209
Sampler: Jeff Plummer	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 (incl. Oxygenates & Naphthalene (SW-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 (incl. Oxygenates & Naphthalene (SW-2)	Remarks
3994-FARM-EFF	7-26-16	0840	X		3	X	EQEDD file name:
3994-FARM-MID2		0845					Carroll Monrovia-lab
3994-FARM-INF		0850					report #.17953.
GVP-EFF		1010					EQEDD.zip
GVP-MID		1015					
GVP-INF		1020					
3990-FARM-EFF		1040					
3990-FARM-MID2		1045					
3990-FARM-INF		1050					
GVP-FRY41233	7-26-16	1115	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
Jeff Plummer	7-27-16	0800	Denise Woodring	7-27-16	0800
Denise Woodring	7-27-16	1235	[illegible]	7/27/16	1:35
[illegible]	7/27/16	18:15			
			[illegible]	7-27-16	1815

Relinquished by Commercial Carrier:

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Temperature upon receipt 2.0 °C

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7045 0614

Potable COC

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1687671 Sample # 8495630-50

Client: Groundwater & Environmental Services, Inc. (GES)
Project Name/#: Carroll Monrovia | Site ID #: 0402993
Project Manager: Peter Reichardt | P.O. #: 0402993-06-209
Sampler: Jeff Plummer | PWSID #:
Phone #: 800-220-3606 x3726 | Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD

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

Analyses Requested / Preservation Codes: Total # of Containers; Full Suite VOCs incl. Oxygenates & 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 incl. Oxygenates & Naphthalene (524.2)	Remarks
GW-FR991281	7-26-16	1120	X		3	X	EQEDD file name:
3992-FARM-EFF		1310					Carroll Monrovia-lab
3992-FARM-MID2		1315					report #.17953.
3992-FARM-INF		1320					EQEDD.zip
3997-FARM-EFF		1510					
3997-FARM-MID2		1515					
3997-FARM-INF		1520					
3993-FARM-INF		1540					
3996-FARM-EFF		1610					
3996-FARM-MID2	7-26-16	1615	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
Jeff Plummer	7-27-16	0800	Denise Woodring	7-27-16	0800
Denise Woodring	7-27-16	1235	[illegible]	7/27/16	1:35
[illegible]	7/27/16	18:15			
			[illegible]	7-27-16	1815

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 2.0 °C

Potable COC

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1687671 Sample # 8495630-50

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402993
Project Manager: Peter Reichardt	P.O. #: 0402993-06-209
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 #:

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Potable Water	Ground	Surface	NPDES	Other:	Total # of Containers	Full Suite VOCs (incl. Oxygenates & Naphthalene) (624-2)
3996-FARM-INF	7-26-16	1620	X				X					3	X

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

Remarks: 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@oqulsonline.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	7-27-16	0800	Denise Wooding	7-27-16	0900
Denise Wooding	7-27-16	1235	[illegible]	7/27/16	1635
[illegible]	7/27/16	1815			
			E. Sandoval	7-27-16	1615

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: 155466

Group Number(s): 1687671

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/27/2016 18:15
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	Yes	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 Melvin Sanchez (8943) at 19:49 on 07/27/2016

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

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, 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: August 25, 2016

Project: Carroll Monrovia

Submittal Date: 08/19/2016
Group Number: 1697497
PO Number: 0402993-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3740-BLUE-INF Grab Potable Water	8538998

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,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

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

Analysis Report

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

LL Sample # PW 8538998
LL Group # 1697497
Account # 08390

Project Name: Carroll Monrovia

Collected: 08/19/2016 09:10 by JP

Submitted: 08/19/2016 17:30
Reported: 08/25/2016 15:53

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.4	J	0.1	1
03648	Chloromethane	74-87-3	0.4	J	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Lancaster Laboratories Environmental
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Analysis Report

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

LL Sample # PW 8538998
LL Group # 1697497
Account # 08390

Project Name: Carroll Monrovia

Collected: 08/19/2016 09:10 by JP

Submitted: 08/19/2016 17:30
Reported: 08/25/2016 15:53

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162361AA	08/23/2016 17:26	Don V Viray	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/25/2016 15:53

Group Number: 1697497

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: K162361AA	Sample number(s): 8538998	
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.	0.2
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
n-Butylbenzene	N.D.	0.2
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.2
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.2
1,2-Dibromo-3-chloropropane	N.D.	0.4
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.2
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.	0.2
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
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

*- 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: 08/25/2016 15:53

Group Number: 1697497

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
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.	0.2
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
Trichlorofluoromethane	N.D.	0.2
1,2,3-Trichloropropane	N.D.	0.2
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
m+p-Xylene	N.D.	0.2
o-Xylene	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: K162361AA	Sample number(s): 8538998								
t-Amyl Methyl Ether	5.00	3.81			76		70-130		
Benzene	5.00	4.62			92		70-130		
Bromobenzene	5.00	5.28			106		70-130		
Bromochloromethane	5.00	5.06			101		70-130		
Bromodichloromethane	5.00	4.66			93		70-130		
Bromoform	5.00	5.02			100		70-130		
Bromomethane	2.00	2.13			107		70-130		
t-Butyl Alcohol	50	49.11			98		70-130		
n-Butylbenzene	5.00	4.86			97		70-130		
sec-Butylbenzene	5.00	5.04			101		70-130		
tert-Butylbenzene	5.00	4.75			95		70-130		
Carbon Tetrachloride	5.00	4.48			90		70-130		
Chlorobenzene	5.00	4.97			99		70-130		
Chloroethane	2.00	2.11			105		70-130		
Chloroform	5.00	4.67			93		70-130		
Chloromethane	2.00	2.11			105		70-130		
2-Chlorotoluene	5.00	5.14			103		70-130		
4-Chlorotoluene	5.00	5.23			105		70-130		
1,2-Dibromo-3-chloropropane	5.00	4.64			93		70-130		
Dibromochloromethane	5.00	4.81			96		70-130		
1,2-Dibromoethane	5.00	4.87			97		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: 08/25/2016 15:53

Group Number: 1697497

LCS/LCSD (continued)

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
Dibromomethane	5.00	4.83			97		70-130		
1,2-Dichlorobenzene	5.00	5.39			108		70-130		
1,3-Dichlorobenzene	5.00	5.19			104		70-130		
1,4-Dichlorobenzene	5.00	5.43			109		70-130		
Dichlorodifluoromethane	2.00	1.87			94		70-130		
1,1-Dichloroethane	5.00	5.07			101		70-130		
1,2-Dichloroethane	5.00	4.88			98		70-130		
1,1-Dichloroethene	5.00	4.80			96		70-130		
cis-1,2-Dichloroethene	5.00	4.59			92		70-130		
trans-1,2-Dichloroethene	5.00	5.06			101		70-130		
1,2-Dichloropropane	5.00	4.76			95		70-130		
1,3-Dichloropropane	5.00	4.74			95		70-130		
2,2-Dichloropropane	5.00	4.24			85		70-130		
1,1-Dichloropropene	5.00	4.31			86		70-130		
cis-1,3-Dichloropropene	5.00	4.53			91		70-130		
trans-1,3-Dichloropropene	5.00	4.65			93		70-130		
Ethyl t-Butyl Ether	5.00	4.54			91		70-130		
Ethylbenzene	5.00	4.81			96		70-130		
di-Isopropyl Ether	5.00	4.86			97		70-130		
Isopropylbenzene	5.00	4.85			97		70-130		
p-Isopropyltoluene	5.00	4.87			97		70-130		
Methyl Tertiary Butyl Ether	5.00	4.75			95		70-130		
Methylene Chloride	5.00	4.86			97		70-130		
Naphthalene	5.00	3.89			78		70-130		
n-Propylbenzene	5.00	5.10			102		70-130		
Styrene	5.00	4.95			99		70-130		
1,1,1,2-Tetrachloroethane	5.00	4.92			98		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.06			101		70-130		
Tetrachloroethene	5.00	4.86			97		70-130		
Toluene	5.00	4.75			95		70-130		
1,2,3-Trichlorobenzene	5.00	4.34			87		70-130		
1,2,4-Trichlorobenzene	5.00	4.27			85		70-130		
1,1,1-Trichloroethane	5.00	4.35			87		70-130		
1,1,2-Trichloroethane	5.00	4.91			98		70-130		
Trichloroethene	5.00	4.54			91		70-130		
Trichlorofluoromethane	2.00	2.07			104		70-130		
1,2,3-Trichloropropane	5.00	5.20			104		70-130		
1,2,4-Trimethylbenzene	5.00	4.91			98		70-130		
1,3,5-Trimethylbenzene	5.00	4.89			98		70-130		
Vinyl Chloride	2.00	2.11			105		70-130		
m+p-Xylene	10	9.76			98		70-130		
o-Xylene	5.00	4.54			91		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: 08/25/2016 15:53

Group Number: 1697497

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: Carroll Fuels Full VOCs 524.2
Batch number: K162361AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8538998	85	107
Blank	88	109
LCS	109	111
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

eurofins | Lancaster Laboratories Environmental

Acct. # 8390 Group # 1697497 Sample # 8538998-

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402993
Project Manager: Peter Reichardt	P.O. #: 0402993-06-209
Sampler: Jeff Plummer	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 Water	Ground Water	Surface Water	NPDES	Other:	Total # of Containers	Full Suite VOCs incl. Oxygenates & Naphthalene (524.2)										Remarks
3740-BLUE-INF	8-19-16	0910	X					X				3	X										EQEDD file name:
																							Carroll Monrovia-lab
																							report #.17953.
																							EQEDD.zip

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
Jeff Plummer	8-19-16	1315	Denise Woolery	8-19-16	1315
Denise Woolery	8-19-16	1431	[illegible]	8-19-16	1431
[illegible]	8-19-16	1730			
			[illegible]	8/19/16	1730

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 3.5 4.3 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 7045 0614

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Sample Administration Receipt Documentation Log

Doc Log ID: 159469
Group Number(s): 1697497

Client: Ges

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	08/19/2016 17:30
Number of Packages:	2	Number of Projects:	2

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:	N/A
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 Karen Diem (3060) at 18:53 on 08/19/2016

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	DT131	4.3	DT	Wet	Y	Bagged	N
2	DT131	3.5	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

Report Date: August 26, 2016

Project: Carroll Monrovia

Submittal Date: 08/18/2016
Group Number: 1696841
PO Number: 0402993-06-209
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
3998-FARM-INF Grab Potable Water	8535815
3995-FARM-INF Grab Potable Water	8535816

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,

Lynn M. Frederiksen
Principal Specialist Group Leader

(717) 556-7255

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Analysis Report

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

LL Sample # PW 8535815
LL Group # 1696841
Account # 08390

Project Name: Carroll Monrovia

Collected: 08/16/2016 11:30 by JP

Submitted: 08/18/2016 13:54
Reported: 08/26/2016 12:53

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

3998I

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l		ug/l	
03648	t-Amyl Methyl Ether	994-05-8	N.D.		0.1	1
03648	Benzene	71-43-2	N.D.		0.1	1
03648	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	N.D.		0.1	1
03648	Chloromethane	74-87-3	0.2	J	0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	1

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Analysis Report

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

LL Sample # PW 8535815
LL Group # 1696841
Account # 08390

Project Name: Carroll Monrovia

Collected: 08/16/2016 11:30 by JP

Submitted: 08/18/2016 13:54
Reported: 08/26/2016 12:53

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

3998I

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		ug/l	ug/l	
03648	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162361AA	08/23/2016 16:40	Don V Viray	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 8535816
LL Group # 1696841
Account # 08390

Project Name: Carroll Monrovia

Collected: 08/16/2016 13:10 by JP

Submitted: 08/18/2016 13:54
Reported: 08/26/2016 12:53

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	Bromobenzene	108-86-1	N.D.		0.1	1
03648	Bromochloromethane	74-97-5	N.D.		0.1	1
03648	Bromodichloromethane	75-27-4	N.D.		0.1	1
03648	Bromoform	75-25-2	N.D.		0.2	1
03648	Bromomethane	74-83-9	N.D.		0.1	1
03648	t-Butyl Alcohol	75-65-0	N.D.		2.5	1
03648	n-Butylbenzene	104-51-8	N.D.		0.2	1
03648	sec-Butylbenzene	135-98-8	N.D.		0.1	1
03648	tert-Butylbenzene	98-06-6	N.D.		0.1	1
03648	Carbon Tetrachloride	56-23-5	N.D.		0.1	1
03648	Chlorobenzene	108-90-7	N.D.		0.1	1
03648	Chloroethane	75-00-3	N.D.		0.2	1
03648	Chloroform	67-66-3	0.6		0.1	1
03648	Chloromethane	74-87-3	N.D.		0.2	1
03648	2-Chlorotoluene	95-49-8	N.D.		0.1	1
03648	4-Chlorotoluene	106-43-4	N.D.		0.2	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.4	1
03648	Dibromochloromethane	124-48-1	N.D.		0.1	1
03648	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
03648	Dibromomethane	74-95-3	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	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
03648	Dichlorodifluoromethane	75-71-8	N.D.		0.2	1
03648	1,1-Dichloroethane	75-34-3	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	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
03648	2,2-Dichloropropane	594-20-7	N.D.		0.2	1
03648	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
03648	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
03648	trans-1,3-Dichloropropene	10061-02-6	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	Isopropylbenzene	98-82-8	N.D.		0.1	1
03648	p-Isopropyltoluene	99-87-6	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	n-Propylbenzene	103-65-1	N.D.		0.1	1
03648	Styrene	100-42-5	N.D.		0.1	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
03648	Tetrachloroethene	127-18-4	N.D.		0.1	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 8535816
LL Group # 1696841
Account # 08390

Project Name: Carroll Monrovia

Collected: 08/16/2016 13:10 by JP

Submitted: 08/18/2016 13:54
Reported: 08/26/2016 12:53

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	Toluene	108-88-3	N.D.	0.1	1
03648	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	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	Trichlorofluoromethane	75-69-4	N.D.	0.2	1
03648	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	1
03648	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
03648	Vinyl Chloride	75-01-4	N.D.	0.1	1
03648	m+p-Xylene	179601-23-1	N.D.	0.2	1
03648	o-Xylene	95-47-6	N.D.	0.1	1

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	Carroll Fuels Full VOCs 524.2	EPA 524.2	1	K162361AA	08/23/2016 17:03	Don V Viray	1

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/26/2016 12:53

Group Number: 1696841

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: K162361AA	Sample number(s): 8535815-8535816	
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.	0.2
Bromomethane	N.D.	0.1
t-Butyl Alcohol	N.D.	2.5
n-Butylbenzene	N.D.	0.2
sec-Butylbenzene	N.D.	0.1
tert-Butylbenzene	N.D.	0.1
Carbon Tetrachloride	N.D.	0.1
Chlorobenzene	N.D.	0.1
Chloroethane	N.D.	0.2
Chloroform	N.D.	0.1
Chloromethane	N.D.	0.2
2-Chlorotoluene	N.D.	0.1
4-Chlorotoluene	N.D.	0.2
1,2-Dibromo-3-chloropropane	N.D.	0.4
Dibromochloromethane	N.D.	0.1
1,2-Dibromoethane	N.D.	0.1
Dibromomethane	N.D.	0.1
1,2-Dichlorobenzene	N.D.	0.1
1,3-Dichlorobenzene	N.D.	0.1
1,4-Dichlorobenzene	N.D.	0.1
Dichlorodifluoromethane	N.D.	0.2
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.	0.2
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
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

*- 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: 08/26/2016 12:53

Group Number: 1696841

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
Methylene Chloride	N.D.	0.3
Naphthalene	N.D.	0.2
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.	0.2
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
Trichlorofluoromethane	N.D.	0.2
1,2,3-Trichloropropane	N.D.	0.2
1,2,4-Trimethylbenzene	N.D.	0.1
1,3,5-Trimethylbenzene	N.D.	0.1
Vinyl Chloride	N.D.	0.1
m+p-Xylene	N.D.	0.2
o-Xylene	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: K162361AA	Sample number(s): 8535815-8535816								
t-Amyl Methyl Ether	5.00	3.81			76		70-130		
Benzene	5.00	4.62			92		70-130		
Bromobenzene	5.00	5.28			106		70-130		
Bromochloromethane	5.00	5.06			101		70-130		
Bromodichloromethane	5.00	4.66			93		70-130		
Bromoform	5.00	5.02			100		70-130		
Bromomethane	2.00	2.13			107		70-130		
t-Butyl Alcohol	50	49.11			98		70-130		
n-Butylbenzene	5.00	4.86			97		70-130		
sec-Butylbenzene	5.00	5.04			101		70-130		
tert-Butylbenzene	5.00	4.75			95		70-130		
Carbon Tetrachloride	5.00	4.48			90		70-130		
Chlorobenzene	5.00	4.97			99		70-130		
Chloroethane	2.00	2.11			105		70-130		
Chloroform	5.00	4.67			93		70-130		
Chloromethane	2.00	2.11			105		70-130		
2-Chlorotoluene	5.00	5.14			103		70-130		
4-Chlorotoluene	5.00	5.23			105		70-130		
1,2-Dibromo-3-chloropropane	5.00	4.64			93		70-130		
Dibromochloromethane	5.00	4.81			96		70-130		
1,2-Dibromoethane	5.00	4.87			97		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: 08/26/2016 12:53

Group Number: 1696841

LCS/LCSD (continued)

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
Dibromomethane	5.00	4.83			97		70-130		
1,2-Dichlorobenzene	5.00	5.39			108		70-130		
1,3-Dichlorobenzene	5.00	5.19			104		70-130		
1,4-Dichlorobenzene	5.00	5.43			109		70-130		
Dichlorodifluoromethane	2.00	1.87			94		70-130		
1,1-Dichloroethane	5.00	5.07			101		70-130		
1,2-Dichloroethane	5.00	4.88			98		70-130		
1,1-Dichloroethene	5.00	4.80			96		70-130		
cis-1,2-Dichloroethene	5.00	4.59			92		70-130		
trans-1,2-Dichloroethene	5.00	5.06			101		70-130		
1,2-Dichloropropane	5.00	4.76			95		70-130		
1,3-Dichloropropane	5.00	4.74			95		70-130		
2,2-Dichloropropane	5.00	4.24			85		70-130		
1,1-Dichloropropene	5.00	4.31			86		70-130		
cis-1,3-Dichloropropene	5.00	4.53			91		70-130		
trans-1,3-Dichloropropene	5.00	4.65			93		70-130		
Ethyl t-Butyl Ether	5.00	4.54			91		70-130		
Ethylbenzene	5.00	4.81			96		70-130		
di-Isopropyl Ether	5.00	4.86			97		70-130		
Isopropylbenzene	5.00	4.85			97		70-130		
p-Isopropyltoluene	5.00	4.87			97		70-130		
Methyl Tertiary Butyl Ether	5.00	4.75			95		70-130		
Methylene Chloride	5.00	4.86			97		70-130		
Naphthalene	5.00	3.89			78		70-130		
n-Propylbenzene	5.00	5.10			102		70-130		
Styrene	5.00	4.95			99		70-130		
1,1,1,2-Tetrachloroethane	5.00	4.92			98		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.06			101		70-130		
Tetrachloroethene	5.00	4.86			97		70-130		
Toluene	5.00	4.75			95		70-130		
1,2,3-Trichlorobenzene	5.00	4.34			87		70-130		
1,2,4-Trichlorobenzene	5.00	4.27			85		70-130		
1,1,1-Trichloroethane	5.00	4.35			87		70-130		
1,1,2-Trichloroethane	5.00	4.91			98		70-130		
Trichloroethene	5.00	4.54			91		70-130		
Trichlorofluoromethane	2.00	2.07			104		70-130		
1,2,3-Trichloropropane	5.00	5.20			104		70-130		
1,2,4-Trimethylbenzene	5.00	4.91			98		70-130		
1,3,5-Trimethylbenzene	5.00	4.89			98		70-130		
Vinyl Chloride	2.00	2.11			105		70-130		
m+p-Xylene	10	9.76			98		70-130		
o-Xylene	5.00	4.54			91		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: 08/26/2016 12:53

Group Number: 1696841

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: Carroll Fuels Full VOCs 524.2
Batch number: K162361AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8535815	88	109
8535816	88	107
Blank	88	109
LCS	109	111
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.

8 3 8/18/16

Page 1 of 1

Environmental Analysis Request/Chain of Custody

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Acct. # 6370 Group # 1696841 Sample # 8535815-16

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

Project Name/#: Carroll Monrovia | Site ID #: ~~0402995~~ 04-02993

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

Sampler: Jeff Plummer | PWSID #: 04-02993 JR

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	Potable Water	Ground Water	Surface Water	NPDES	Other:	Total # of Containers	Full Suite VOCs plus Oxygenates and Naphthalene (524.2)	Remarks
3998-FARM-INF	8-16-16	1130	X			X					3	X	EQEDD file name:
3995-FARM-INF	8-16-16	1310	X			X					3	X	Carroll Monrovia-lab
													report #.17953.
													EQEDD.zip

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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

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

Phone:

Data Package Options (please check if required)

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

Type III (Reduced non-CLP) ☐ CT RCP ☐

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

NYSDEC Category ☐ A or ☐ B

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

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	8-17-16	0800	Denise Woodrum	8-17-16	0800
Denise Woodrum	8-18-16	1126	[illegible]	8-18-16	1126
[illegible]	8-18-16	1354			
			[illegible]	8/18/16	1354

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.8 °C

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7045 0614

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Sample Administration Receipt Documentation Log

Doc Log ID: 159105

Group Number(s): 1696841

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	08/18/2016 13:54
Number of Packages:	1	Number of Projects:	2

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 Karen Diem (3060) at 15:10 on 08/18/2016

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	DT131	1.8	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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

Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, 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: August 02, 2016

Project: Carroll Monrovia

Submittal Date: 07/26/2016
Group Number: 1687214
PO Number: 0402993-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-8 Grab Groundwater	8493684
MW-11 Grab Groundwater	8493685
MW-13 Grab Groundwater	8493686
MW-1 Grab Groundwater	8493687

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

LL Sample # WW 8493684
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 11:00 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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

MVR08

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	
02898	Acrylonitrile	107-13-1	N.D.		1.0	1
02898	t-Amyl methyl ether	994-05-8	N.D.		0.1	1
02898	Benzene	71-43-2	N.D.		0.1	1
02898	Bromobenzene	108-86-1	N.D.		0.1	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	1
02898	Bromoform	75-25-2	N.D.		0.1	1
02898	Bromomethane	74-83-9	N.D.		0.1	1
02898	t-Butyl Alcohol	75-65-0	N.D.		4.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	1
02898	Carbon Disulfide	75-15-0	N.D.		0.4	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	1
02898	Chloroethane	75-00-3	N.D.		0.1	1
02898	Chloroform	67-66-3	0.4	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	0.2	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.9		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 8493684
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 11:00 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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	2.5	0.25	5

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	C162111AA	07/29/2016 21:02	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/29/2016 21:02	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16209B20A	07/28/2016 00:20	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16209B20A	07/28/2016 00:20	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16208972151A	07/27/2016 04:21	Alexandria M Lanager	5

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

LL Sample # WW 8493685
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 11:55 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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 8493685
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 11:55 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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	1.9	0.25	5

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	C162101AA	07/28/2016 13:34	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162101AA	07/28/2016 13:34	Angela D Sneeringer	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16209B20A	07/28/2016 00:42	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16209B20A	07/28/2016 00:42	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16208972151A	07/27/2016 04:35	Alexandria M Lanager	5

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Analysis Report

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

LL Sample # WW 8493686
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 13:00 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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	6.2		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 8493686
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 13:00 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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	2.6	0.25	5

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	C162143AA	08/02/2016 00:04	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162143AA	08/02/2016 00:04	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16209B20A	07/28/2016 01:04	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16209B20A	07/28/2016 01:04	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16208972151A	07/27/2016 04:49	Alexandria M Lanager	5

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

LL Sample # WW 8493687
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 14:05 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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	0.5	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	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.8		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

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

LL Sample # WW 8493687
LL Group # 1687214
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/25/2016 14:05 by JP

Submitted: 07/26/2016 17:45
Reported: 08/02/2016 14:15

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	3.0	0.25	5

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	C162143AA	08/02/2016 00:27	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162143AA	08/02/2016 00:27	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16209B20A	07/28/2016 01:27	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16209B20A	07/28/2016 01:27	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16208972151A	07/27/2016 05:03	Alexandria M Lanager	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

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: C162101AA	Sample number(s): 8493685	
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
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(2) The unspiked result was more than four times the spike added.
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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

Method Blank (continued)

Analysis Name	Result ug/l	MDL 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: C162111AA	Sample number(s): 8493684	
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

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
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
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: C162143AA	Sample number(s): 8493686-8493687	
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

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

Method Blank (continued)

Analysis Name	Result ug/l	MDL ug/l
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
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

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

Method Blank (continued)

Analysis Name	Result	MDL
	ug/l	ug/l
Xylene (Total)	N.D.	0.1
Batch number: 16209B20A	Sample number(s): 8493684-8493687	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16208972151A	Sample number(s): 8493684-8493687	
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: C162101AA	Sample number(s): 8493685								
Acrylonitrile	25	24.79			99		68-135		
t-Amyl methyl ether	5.00	4.69			94		73-120		
Benzene	5.00	4.83			97		80-120		
Bromobenzene	5.00	4.97			99		80-120		
Bromochloromethane	5.00	4.60			92		80-125		
Bromodichloromethane	5.00	4.58			92		80-120		
Bromoform	5.00	4.45			89		62-128		
Bromomethane	5.00	4.27			85		71-126		
t-Butyl Alcohol	50	49.04			98		64-146		
n-Butylbenzene	5.00	5.14			103		80-120		
sec-Butylbenzene	5.00	5.28			106		80-120		
tert-Butylbenzene	5.00	5.26			105		80-120		
Carbon Disulfide	5.00	4.71			94		65-120		
Chlorobenzene	5.00	4.91			98		80-120		
Chloroethane	5.00	4.31			86		71-122		
Chloroform	5.00	4.39			88		80-120		
Chloromethane	5.00	4.10			82		63-121		
2-Chlorotoluene	5.00	5.17			103		80-120		
4-Chlorotoluene	5.00	5.07			101		80-120		
1,2-Dibromo-3-chloropropane	5.00	4.91			98		56-131		
Dibromochloromethane	5.00	4.74			95		68-131		
1,2-Dibromoethane	5.00	5.21			104		80-120		
Dibromomethane	5.00	4.73			95		80-122		
trans-1,4-Dichloro-2-butene	25	6.11			24		10-182		
1,2-Dichlorobenzene	5.00	5.05			101		80-120		
1,3-Dichlorobenzene	5.00	4.98			100		80-120		
1,4-Dichlorobenzene	5.00	5.02			100		80-120		
Dichlorodifluoromethane	5.00	3.48			70		35-142		
1,1-Dichloroethane	5.00	4.59			92		75-120		
1,2-Dichloroethane	5.00	4.15			83		72-127		
1,1-Dichloroethene	5.00	4.60			92		70-120		
cis-1,2-Dichloroethene	5.00	4.87			97		80-120		
trans-1,2-Dichloroethene	5.00	4.86			97		80-120		

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

LCS/LCSD (continued)

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-Dichloropropane	5.00	4.86			97		80-120		
1,3-Dichloropropane	5.00	4.96			99		80-120		
2,2-Dichloropropane	5.00	4.15			83		64-126		
1,1-Dichloropropene	5.00	4.37			87		71-120		
cis-1,3-Dichloropropene	5.00	4.53			91		80-124		
trans-1,3-Dichloropropene	5.00	4.56			91		77-121		
Ethyl t-butyl ether	5.00	4.67			93		67-122		
Ethylbenzene	5.00	4.92			98		80-120		
Hexachlorobutadiene	5.00	4.82			96		69-120		
di-Isopropyl Ether	5.00	4.69			94		66-128		
Isopropylbenzene	5.00	5.14			103		80-120		
p-Isopropyltoluene	5.00	5.10			102		80-120		
Methyl Tertiary Butyl Ether	5.00	4.63			93		74-120		
Methylene Chloride	5.00	4.70			94		80-120		
Naphthalene	5.00	5.53			111		58-125		
n-Propylbenzene	5.00	5.06			101		79-120		
Styrene	5.00	5.27			105		80-122		
1,1,1,2-Tetrachloroethane	5.00	4.76			95		72-125		
1,1,2,2-Tetrachloroethane	5.00	5.38			108		80-120		
Tetrachloroethene	5.00	4.79			96		80-120		
Toluene	5.00	4.96			99		80-120		
1,2,3-Trichlorobenzene	5.00	4.84			97		59-120		
1,2,4-Trichlorobenzene	5.00	5.00			100		67-120		
1,1,1-Trichloroethane	5.00	4.28			86		70-124		
1,1,2-Trichloroethane	5.00	5.05			101		80-120		
Trichloroethene	5.00	4.79			96		80-120		
Trichlorofluoromethane	5.00	4.01			80		64-133		
1,2,3-Trichloropropane	5.00	5.25			105		80-120		
1,2,4-Trimethylbenzene	5.00	5.18			104		80-120		
1,3,5-Trimethylbenzene	5.00	5.16			103		80-120		
Vinyl Chloride	5.00	4.12			82		62-128		
Xylene (Total)	15	15.19			101		80-120		
Batch number: C162111AA	Sample number(s): 8493684								
Acrylonitrile	25	22.74	25	22.32	91	89	68-135	2	30
t-Amyl methyl ether	5.00	4.88	5.00	4.71	98	94	73-120	3	30
Benzene	5.00	4.87	5.00	4.66	97	93	80-120	5	30
Bromobenzene	5.00	5.19	5.00	4.96	104	99	80-120	4	30
Bromochloromethane	5.00	5.25	5.00	5.04	105	101	80-125	4	30
Bromodichloromethane	5.00	5.05	5.00	4.88	101	98	80-120	3	30
Bromoform	5.00	5.09	5.00	4.84	102	97	62-128	5	30
Bromomethane	5.00	5.00	5.00	4.67	100	93	71-126	7	30
t-Butyl Alcohol	50	51.18	50	49.32	102	99	64-146	4	30
n-Butylbenzene	5.00	5.11	5.00	4.84	102	97	80-120	5	30
sec-Butylbenzene	5.00	5.25	5.00	5.05	105	101	80-120	4	30
tert-Butylbenzene	5.00	5.73	5.00	5.06	115	101	80-120	12	30
Carbon Disulfide	5.00	4.53	5.00	4.36	91	87	65-120	4	30
Chlorobenzene	5.00	5.10	5.00	4.93	102	99	80-120	3	30
Chloroethane	5.00	4.60	5.00	4.49	92	90	71-122	2	30
Chloroform	5.00	4.82	5.00	4.60	96	92	80-120	5	30
Chloromethane	5.00	4.74	5.00	4.57	95	91	63-121	4	30

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/02/2016 14:15

Group Number: 1687214

LCS/LCSD (continued)

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
2-Chlorotoluene	5.00	5.23	5.00	5.06	105	101	80-120	3	30
4-Chlorotoluene	5.00	5.16	5.00	4.94	103	99	80-120	4	30
1,2-Dibromo-3-chloropropane	5.00	5.30	5.00	4.93	106	99	56-131	7	30
Dibromochloromethane	5.00	5.23	5.00	4.98	105	100	68-131	5	30
1,2-Dibromoethane	5.00	5.47	5.00	5.23	109	105	80-120	4	30
Dibromomethane	5.00	5.26	5.00	4.96	105	99	80-122	6	30
trans-1,4-Dichloro-2-butene	25	14.09	25	12.96	56	52	10-182	8	30
1,2-Dichlorobenzene	5.00	5.16	5.00	5.00	103	100	80-120	3	30
1,3-Dichlorobenzene	5.00	5.13	5.00	4.93	103	99	80-120	4	30
1,4-Dichlorobenzene	5.00	5.18	5.00	4.96	104	99	80-120	4	30
Dichlorodifluoromethane	5.00	5.66	5.00	5.42	113	108	35-142	4	30
1,1-Dichloroethane	5.00	4.69	5.00	4.46	94	89	75-120	5	30
1,2-Dichloroethane	5.00	4.70	5.00	4.57	94	91	72-127	3	30
1,1-Dichloroethene	5.00	4.60	5.00	4.52	92	90	70-120	2	30
cis-1,2-Dichloroethene	5.00	5.07	5.00	4.81	101	96	80-120	5	30
trans-1,2-Dichloroethene	5.00	4.94	5.00	4.76	99	95	80-120	4	30
1,2-Dichloropropane	5.00	4.87	5.00	4.68	97	94	80-120	4	30
1,3-Dichloropropane	5.00	4.98	5.00	4.84	100	97	80-120	3	30
2,2-Dichloropropane	5.00	4.62	5.00	4.41	92	88	64-126	5	30
1,1-Dichloropropene	5.00	4.51	5.00	4.44	90	89	71-120	2	30
cis-1,3-Dichloropropene	5.00	4.89	5.00	4.67	98	93	80-124	5	30
trans-1,3-Dichloropropene	5.00	4.94	5.00	4.72	99	94	77-121	4	30
Ethyl t-butyl ether	5.00	4.71	5.00	4.54	94	91	67-122	4	30
Ethylbenzene	5.00	5.00	5.00	4.83	100	97	80-120	3	30
Hexachlorobutadiene	5.00	5.14	5.00	4.77	103	95	69-120	7	30
di-Isopropyl Ether	5.00	4.45	5.00	4.31	89	86	66-128	3	30
Isopropylbenzene	5.00	5.29	5.00	5.07	106	101	80-120	4	30
p-Isopropyltoluene	5.00	5.21	5.00	4.98	104	100	80-120	5	30
Methyl Tertiary Butyl Ether	5.00	4.91	5.00	4.73	98	95	74-120	4	30
Methylene Chloride	5.00	4.75	5.00	4.56	95	91	80-120	4	30
Naphthalene	5.00	5.82	5.00	5.53	116	111	58-125	5	30
n-Propylbenzene	5.00	5.02	5.00	4.83	100	97	79-120	4	30
Styrene	5.00	5.39	5.00	5.19	108	104	80-122	4	30
1,1,1,2-Tetrachloroethane	5.00	5.14	5.00	4.98	103	100	72-125	3	30
1,1,2,2-Tetrachloroethane	5.00	5.30	5.00	5.01	106	100	80-120	6	30
Tetrachloroethene	5.00	5.05	5.00	4.85	101	97	80-120	4	30
Toluene	5.00	5.00	5.00	4.81	100	96	80-120	4	30
1,2,3-Trichlorobenzene	5.00	5.21	5.00	4.96	104	99	59-120	5	30
1,2,4-Trichlorobenzene	5.00	5.25	5.00	5.02	105	100	67-120	4	30
1,1,1-Trichloroethane	5.00	4.81	5.00	4.58	96	92	70-124	5	30
1,1,2-Trichloroethane	5.00	5.26	5.00	5.06	105	101	80-120	4	30
Trichloroethene	5.00	5.06	5.00	4.78	101	96	80-120	6	30
Trichlorofluoromethane	5.00	5.10	5.00	4.84	102	97	64-133	5	30
1,2,3-Trichloropropane	5.00	5.47	5.00	5.21	109	104	80-120	5	30
1,2,4-Trimethylbenzene	5.00	5.19	5.00	4.96	104	99	80-120	4	30
1,3,5-Trimethylbenzene	5.00	5.20	5.00	5.00	104	100	80-120	4	30
Vinyl Chloride	5.00	4.74	5.00	4.60	95	92	62-128	3	30
Xylene (Total)	15	15.53	15	14.95	104	100	80-120	4	30
Batch number: C162143AA	Sample number(s): 8493686-8493687								
Acrylonitrile	25	24.42	25	24.93	98	100	68-135	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: 08/02/2016 14:15

Group Number: 1687214

LCS/LCSD (continued)

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
t-Amyl methyl ether	5.00	4.69	5.00	4.70	94	94	73-120	0	30
Benzene	5.00	4.83	5.00	4.77	97	95	80-120	1	30
Bromobenzene	5.00	4.98	5.00	4.96	100	99	80-120	0	30
Bromochloromethane	5.00	5.06	5.00	5.00	101	100	80-125	1	30
Bromodichloromethane	5.00	5.05	5.00	4.98	101	100	80-120	1	30
Bromoform	5.00	5.07	5.00	5.05	101	101	62-128	0	30
Bromomethane	5.00	4.96	5.00	4.89	99	98	71-126	1	30
t-Butyl Alcohol	50	56.49	50	56.67	113	113	64-146	0	30
n-Butylbenzene	5.00	4.95	5.00	4.96	99	99	80-120	0	30
sec-Butylbenzene	5.00	5.08	5.00	5.08	102	102	80-120	0	30
tert-Butylbenzene	5.00	4.99	5.00	5.12	100	102	80-120	3	30
Carbon Disulfide	5.00	4.70	5.00	4.70	94	94	65-120	0	30
Chlorobenzene	5.00	4.96	5.00	4.92	99	98	80-120	1	30
Chloroethane	5.00	4.71	5.00	4.55	94	91	71-122	3	30
Chloroform	5.00	4.71	5.00	4.73	94	95	80-120	0	30
Chloromethane	5.00	4.67	5.00	4.72	93	94	63-121	1	30
2-Chlorotoluene	5.00	5.09	5.00	5.10	102	102	80-120	0	30
4-Chlorotoluene	5.00	4.96	5.00	4.98	99	100	80-120	0	30
1,2-Dibromo-3-chloropropane	5.00	5.61	5.00	5.64	112	113	56-131	1	30
Dibromochloromethane	5.00	5.18	5.00	5.18	104	104	68-131	0	30
1,2-Dibromoethane	5.00	5.25	5.00	5.27	105	105	80-120	0	30
Dibromomethane	5.00	5.03	5.00	5.03	101	101	80-122	0	30
trans-1,4-Dichloro-2-butene	25	18.48	25	18.6	74	74	10-182	1	30
1,2-Dichlorobenzene	5.00	5.02	5.00	5.00	100	100	80-120	0	30
1,3-Dichlorobenzene	5.00	5.01	5.00	4.97	100	99	80-120	1	30
1,4-Dichlorobenzene	5.00	5.03	5.00	5.00	101	100	80-120	1	30
Dichlorodifluoromethane	5.00	5.15	5.00	5.17	103	103	35-142	0	30
1,1-Dichloroethane	5.00	4.62	5.00	4.62	92	92	75-120	0	30
1,2-Dichloroethane	5.00	4.60	5.00	4.52	92	90	72-127	2	30
1,1-Dichloroethene	5.00	4.59	5.00	4.64	92	93	70-120	1	30
cis-1,2-Dichloroethene	5.00	4.92	5.00	4.93	98	99	80-120	0	30
trans-1,2-Dichloroethene	5.00	4.97	5.00	4.89	99	98	80-120	1	30
1,2-Dichloropropane	5.00	4.75	5.00	4.77	95	95	80-120	1	30
1,3-Dichloropropane	5.00	4.80	5.00	4.81	96	96	80-120	0	30
2,2-Dichloropropane	5.00	4.64	5.00	4.62	93	92	64-126	0	30
1,1-Dichloropropene	5.00	4.48	5.00	4.41	90	88	71-120	2	30
cis-1,3-Dichloropropene	5.00	4.77	5.00	4.74	95	95	80-124	1	30
trans-1,3-Dichloropropene	5.00	4.91	5.00	4.87	98	97	77-121	1	30
Ethyl t-butyl ether	5.00	4.48	5.00	4.54	90	91	67-122	1	30
Ethylbenzene	5.00	4.90	5.00	4.84	98	97	80-120	1	30
Hexachlorobutadiene	5.00	4.98	5.00	4.93	100	99	69-120	1	30
di-Isopropyl Ether	5.00	4.28	5.00	4.28	86	86	66-128	0	30
Isopropylbenzene	5.00	5.14	5.00	5.10	103	102	80-120	1	30
p-Isopropyltoluene	5.00	5.52	5.00	5.03	110	101	80-120	9	30
Methyl Tertiary Butyl Ether	5.00	4.74	5.00	4.70	95	94	74-120	1	30
Methylene Chloride	5.00	4.78	5.00	4.68	96	94	80-120	2	30
Naphthalene	5.00	5.46	5.00	5.37	109	107	58-125	2	30
n-Propylbenzene	5.00	4.89	5.00	4.86	98	97	79-120	1	30
Styrene	5.00	5.23	5.00	5.14	105	103	80-122	2	30
1,1,1,2-Tetrachloroethane	5.00	5.09	5.00	5.05	102	101	72-125	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: 08/02/2016 14:15

Group Number: 1687214

LCS/LCSD (continued)

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
1,1,2,2-Tetrachloroethane	5.00	4.98	5.00	4.97	100	99	80-120	0	30
Tetrachloroethene	5.00	4.98	5.00	4.87	100	97	80-120	2	30
Toluene	5.00	4.87	5.00	4.84	97	97	80-120	1	30
1,2,3-Trichlorobenzene	5.00	4.97	5.00	4.88	99	98	59-120	2	30
1,2,4-Trichlorobenzene	5.00	4.97	5.00	4.84	99	97	67-120	3	30
1,1,1-Trichloroethane	5.00	4.82	5.00	4.79	96	96	70-124	1	30
1,1,2-Trichloroethane	5.00	5.13	5.00	5.05	103	101	80-120	2	30
Trichloroethene	5.00	4.99	5.00	4.91	100	98	80-120	2	30
Trichlorofluoromethane	5.00	4.98	5.00	4.88	100	98	64-133	2	30
1,2,3-Trichloropropane	5.00	5.38	5.00	5.32	108	106	80-120	1	30
1,2,4-Trimethylbenzene	5.00	5.08	5.00	5.05	102	101	80-120	1	30
1,3,5-Trimethylbenzene	5.00	5.08	5.00	5.03	102	101	80-120	1	30
Vinyl Chloride	5.00	4.67	5.00	4.63	93	93	62-128	1	30
Xylene (Total)	15	15.09	15	14.94	101	100	80-120	1	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 16209B20A	Sample number(s): 8493684-8493687								
TPH-GRO water C6-C10	1100	1020.12	1100	1019.32	93	93	80-120	0	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16208972151A	Sample number(s): 8493684-8493687								
Nitrate Nitrogen	0.750	0.774			103		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: C162101AA	Sample number(s): 8493685 UNSPK: 8493685									
Acrylonitrile	N.D.	25	26.15	25	23.31	105	93	68-135	11	30
t-Amyl methyl ether	N.D.	5.00	5.04	5.00	4.98	101	100	73-120	1	30
Benzene	N.D.	5.00	5.44	5.00	5.28	109	106	80-120	3	30
Bromobenzene	N.D.	5.00	5.49	5.00	5.35	110	107	80-120	3	30
Bromochloromethane	N.D.	5.00	5.43	5.00	5.22	109	104	80-125	4	30
Bromodichloromethane	N.D.	5.00	5.23	5.00	5.07	105	101	80-120	3	30
Bromoform	N.D.	5.00	5.03	5.00	4.74	101	95	62-128	6	30
Bromomethane	N.D.	5.00	4.95	5.00	4.72	99	94	71-126	5	30
t-Butyl Alcohol	N.D.	50	51.83	50	45.68	104	91	64-146	13	30
n-Butylbenzene	N.D.	5.00	5.83	5.00	5.59	117	112	80-120	4	30
sec-Butylbenzene	N.D.	5.00	5.99	5.00	5.81	120	116	80-120	3	30
tert-Butylbenzene	N.D.	5.00	5.94	5.00	5.77	119	115	80-120	3	30
Carbon Disulfide	N.D.	5.00	5.44	5.00	5.27	109	105	65-120	3	30
Chlorobenzene	N.D.	5.00	5.52	5.00	5.37	110	107	80-120	3	30
Chloroethane	N.D.	5.00	4.89	5.00	4.68	98	94	71-122	4	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: 08/02/2016 14:15

Group Number: 1687214

MS/MSD (continued)

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
Chloroform	N.D.	5.00	5.12	5.00	4.92	102	98	80-120	4	30
Chloromethane	N.D.	5.00	4.56	5.00	4.45	91	89	63-121	2	30
2-Chlorotoluene	N.D.	5.00	5.86	5.00	5.51	117	110	80-120	6	30
4-Chlorotoluene	N.D.	5.00	5.60	5.00	5.40	112	108	80-120	4	30
1,2-Dibromo-3-chloropropane	N.D.	5.00	5.21	5.00	4.69	104	94	56-131	10	30
Dibromochloromethane	N.D.	5.00	5.32	5.00	5.14	106	103	68-131	4	30
1,2-Dibromoethane	N.D.	5.00	5.62	5.00	5.54	112	111	80-120	1	30
Dibromomethane	N.D.	5.00	5.36	5.00	5.09	107	102	80-122	5	30
trans-1,4-Dichloro-2-butene	N.D.	25	11.77	25	9.71	47	39	10-182	19	30
1,2-Dichlorobenzene	N.D.	5.00	5.46	5.00	5.33	109	107	80-120	2	30
1,3-Dichlorobenzene	N.D.	5.00	5.50	5.00	5.34	110	107	80-120	3	30
1,4-Dichlorobenzene	N.D.	5.00	5.48	5.00	5.36	110	107	80-120	2	30
Dichlorodifluoromethane	N.D.	5.00	4.30	5.00	4.12	86	82	35-142	4	30
1,1-Dichloroethane	N.D.	5.00	5.19	5.00	5.00	104	100	75-120	4	30
1,2-Dichloroethane	N.D.	5.00	4.71	5.00	4.52	94	90	72-127	4	30
1,1-Dichloroethene	N.D.	5.00	5.37	5.00	5.26	107	105	70-120	2	30
cis-1,2-Dichloroethene	N.D.	5.00	5.52	5.00	5.29	110	106	80-120	4	30
trans-1,2-Dichloroethene	N.D.	5.00	5.60	5.00	5.39	112	108	80-120	4	30
1,2-Dichloropropane	N.D.	5.00	5.39	5.00	5.26	108	105	80-120	2	30
1,3-Dichloropropane	N.D.	5.00	5.31	5.00	5.22	106	104	80-120	2	30
2,2-Dichloropropane	N.D.	5.00	4.90	5.00	4.81	98	96	64-126	2	30
1,1-Dichloropropene	N.D.	5.00	5.19	5.00	5.03	104	101	71-120	3	30
cis-1,3-Dichloropropene	N.D.	5.00	5.01	5.00	4.89	100	98	80-124	2	30
trans-1,3-Dichloropropene	N.D.	5.00	5.00	5.00	4.90	100	98	77-121	2	30
Ethyl t-butyl ether	N.D.	5.00	4.95	5.00	4.90	99	98	67-122	1	30
Ethylbenzene	N.D.	5.00	5.55	5.00	5.44	111	109	80-120	2	30
Hexachlorobutadiene	N.D.	5.00	5.65	5.00	5.44	113	109	69-120	4	30
di-Isopropyl Ether	N.D.	5.00	4.94	5.00	4.89	99	98	66-128	1	30
Isopropylbenzene	N.D.	5.00	5.84	5.00	5.72	117	114	80-120	2	30
p-Isopropyltoluene	N.D.	5.00	5.86	5.00	5.66	117	113	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	5.00	5.07	5.00	4.93	101	99	74-120	3	30
Methylene Chloride	N.D.	5.00	5.24	5.00	5.11	105	102	80-120	3	30
Naphthalene	N.D.	5.00	5.86	5.00	5.79	117	116	58-125	1	30
n-Propylbenzene	N.D.	5.00	5.73	5.00	5.55	115	111	79-120	3	30
Styrene	N.D.	5.00	5.84	5.00	5.69	117	114	80-122	3	30
1,1,1,2-Tetrachloroethane	N.D.	5.00	5.33	5.00	5.20	107	104	72-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	5.00	5.68	5.00	5.46	114	109	80-120	4	30
Tetrachloroethene	N.D.	5.00	5.62	5.00	5.49	112	110	80-120	2	30
Toluene	N.D.	5.00	5.61	5.00	5.50	112	110	80-120	2	30
1,2,3-Trichlorobenzene	N.D.	5.00	5.23	5.00	5.09	105	102	59-120	3	30
1,2,4-Trichlorobenzene	N.D.	5.00	5.49	5.00	5.29	110	106	67-120	4	30
1,1,1-Trichloroethane	N.D.	5.00	5.16	5.00	5.03	103	101	70-124	2	30
1,1,2-Trichloroethane	N.D.	5.00	5.51	5.00	5.40	110	108	80-120	2	30
Trichloroethene	N.D.	5.00	5.59	5.00	5.39	112	108	80-120	4	30
Trichlorofluoromethane	N.D.	5.00	5.10	5.00	4.90	102	98	64-133	4	30
1,2,3-Trichloropropane	N.D.	5.00	5.62	5.00	5.42	112	108	80-120	4	30
1,2,4-Trimethylbenzene	N.D.	5.00	5.74	5.00	5.59	115	112	80-120	3	30
1,3,5-Trimethylbenzene	N.D.	5.00	5.74	5.00	5.63	115	113	80-120	2	30
Vinyl Chloride	N.D.	5.00	4.78	5.00	4.62	96	92	62-128	4	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: 08/02/2016 14:15

Group Number: 1687214

MS/MSD (continued)

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
Xylene (Total)	N.D.	15	16.99	15	16.73	113	112	80-120	2	30
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 16208972151A	Sample number(s): 8493684-8493687 UNSPK: P493206									
Nitrate Nitrogen	N.D.	5.00	5.09			102		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: 16208972151A	Sample number(s): 8493684-8493687 BKG: P493206			
Nitrate Nitrogen	N.D.	N.D.	0 (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: C162101AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8493685	97	102	101	97
Blank	95	103	101	98
LCS	96	104	100	97
MS	98	103	100	97
MSD	97	104	100	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: C162111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8493684	103	102	98	96
Blank	100	104	99	96
LCS	101	101	99	99
LCSD	100	104	99	98
Limits:	77-114	74-113	77-110	78-110

*- Outside of specification
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(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: 08/02/2016 14:15

Group Number: 1687214

Surrogate Quality Control (continued)

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: C162143AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8493686	104	104	98	96
8493687	104	103	98	96
Blank	102	104	99	97
LCS	101	103	98	98
LCSD	100	104	98	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16209B20A

	Trifluorotoluene-F
8493684	91
8493685	89
8493686	89
8493687	89
Blank	89
LCS	101
LCSD	97
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. # 83940 Group # 1687214 Sample # 8493684-87

Client: Groundwater & Environmental Services, Inc. (GES)	
Project Name/#: Carroll Monrovia	Site ID #: 0402993
Project Manager: Peter Reichardt	P.O. #: ~~040993~~-06-206
Sampler: Jeff Plummer	PWSID #: 0402993 (JP)
Phone #: 800-220-3606 x3726	Quote #:
State where sample(s) were collected: 11791 Fingerboard Rd, Monrovia, MD	

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

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	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-8	7-25-16	1100	X			X		9	X	X	X			EQEDD file name:
MW-11	↓	1155	↓			↓		↓	↓	↓	↓			Carroll Monrovia-lab
MW-13	↓	1300	↓			↓		↓	↓	↓	↓			report #.17953.
MW-1	7-25-16	1405	X			X		9	X	X	X			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	7-26-16	0800	Denise Woodring	7-26-16	0800
Denise Woodring	7-26-16	1423	[illegible]	7/26/16	14:23
[illegible]	7/26/16	17:4			
			[illegible]	7/26/16	1745

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 26 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 155240

Group Number(s): 1687214

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/26/2016 17:45
Number of Packages:	1	Number of Projects:	1

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 Karen Diem (3060) at 18:08 on 07/26/2016

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	DT131	2.6	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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

Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, 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

Report Date: July 31, 2016

Project: Carroll Monrovia

Submittal Date: 07/27/2016
Group Number: 1687670
PO Number: 0402993-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-7 Grab Groundwater	8495627
MW-9 Grab Groundwater	8495628
MW-16 Grab Groundwater	8495629

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-7 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8495627
LL Group # 1687670
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 09:40 by JP

Submitted: 07/27/2016 18:15
Reported: 07/31/2016 13:33

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	0.5	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	0.9		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	2.1		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

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

LL Sample # WW 8495627
LL Group # 1687670
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 09:40 by JP

Submitted: 07/27/2016 18:15
Reported: 07/31/2016 13:33

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

MVR07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	N.D.	0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	1
02898	Trichloroethene	79-01-6	N.D.	0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.7	0.25	5

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	C162111AA	07/29/2016 23:38	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/29/2016 23:38	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16208B20A	07/28/2016 21:22	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16208B20A	07/28/2016 21:22	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16209987901A	07/27/2016 23:04	Drew M Gerhart	5

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

LL Sample # WW 8495628
LL Group # 1687670
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 12:25 by JP

Submitted: 07/27/2016 18:15
Reported: 07/31/2016 13:33

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	0.1	J	0.1	1
02898	Chloromethane	74-87-3	N.D.		0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	1
02898	Dibromomethane	74-95-3	N.D.		0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.		1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.		0.1	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	1
02898	di-Isopropyl Ether	108-20-3	N.D.		0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	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-9 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8495628
LL Group # 1687670
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 12:25 by JP

Submitted: 07/27/2016 18:15
Reported: 07/31/2016 13:33

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

MVR09

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.2	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	4.1		0.25	5

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	C162111AA	07/30/2016	00:01	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/30/2016	00:01	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16208B20A	07/28/2016	21:50	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16208B20A	07/28/2016	21:50	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16209987901A	07/27/2016	23:20	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 8495629
LL Group # 1687670
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 14:20 by JP

Submitted: 07/27/2016 18:15
Reported: 07/31/2016 13:33

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

LL Sample # WW 8495629
LL Group # 1687670
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/26/2016 14:20 by JP

Submitted: 07/27/2016 18:15
Reported: 07/31/2016 13:33

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

MVR16

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.2	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.2		0.25	5

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	C162111AA	07/30/2016	00:23	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/30/2016	00:23	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16208B20A	07/28/2016	22:17	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16208B20A	07/28/2016	22:17	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16209987901A	07/27/2016	23:36	Drew M Gerhart	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 07/31/2016 13:33

Group Number: 1687670

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: C162111AA	Sample number(s): 8495627-8495629	
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: 07/31/2016 13:33

Group Number: 1687670

Method Blank (continued)

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: 16208B20A	Sample number(s): 8495627-8495629	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16209987901A	Sample number(s): 8495627-8495629	
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: C162111AA	Sample number(s): 8495627-8495629								
Acrylonitrile	25	22.74	25	22.32	91	89	68-135	2	30
t-Amyl methyl ether	5.00	4.88	5.00	4.71	98	94	73-120	3	30
Benzene	5.00	4.87	5.00	4.66	97	93	80-120	5	30
Bromobenzene	5.00	5.19	5.00	4.96	104	99	80-120	4	30
Bromochloromethane	5.00	5.25	5.00	5.04	105	101	80-125	4	30
Bromodichloromethane	5.00	5.05	5.00	4.88	101	98	80-120	3	30
Bromoform	5.00	5.09	5.00	4.84	102	97	62-128	5	30
Bromomethane	5.00	5.00	5.00	4.67	100	93	71-126	7	30
t-Butyl Alcohol	50	51.18	50	49.32	102	99	64-146	4	30
n-Butylbenzene	5.00	5.11	5.00	4.84	102	97	80-120	5	30
sec-Butylbenzene	5.00	5.25	5.00	5.05	105	101	80-120	4	30
tert-Butylbenzene	5.00	5.73	5.00	5.06	115	101	80-120	12	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: 07/31/2016 13:33

Group Number: 1687670

LCS/LCSD (continued)

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	4.53	5.00	4.36	91	87	65-120	4	30
Chlorobenzene	5.00	5.10	5.00	4.93	102	99	80-120	3	30
Chloroethane	5.00	4.60	5.00	4.49	92	90	71-122	2	30
Chloroform	5.00	4.82	5.00	4.60	96	92	80-120	5	30
Chloromethane	5.00	4.74	5.00	4.57	95	91	63-121	4	30
2-Chlorotoluene	5.00	5.23	5.00	5.06	105	101	80-120	3	30
4-Chlorotoluene	5.00	5.16	5.00	4.94	103	99	80-120	4	30
1,2-Dibromo-3-chloropropane	5.00	5.30	5.00	4.93	106	99	56-131	7	30
Dibromochloromethane	5.00	5.23	5.00	4.98	105	100	68-131	5	30
1,2-Dibromoethane	5.00	5.47	5.00	5.23	109	105	80-120	4	30
Dibromomethane	5.00	5.26	5.00	4.96	105	99	80-122	6	30
trans-1,4-Dichloro-2-butene	25	14.09	25	12.96	56	52	10-182	8	30
1,2-Dichlorobenzene	5.00	5.16	5.00	5.00	103	100	80-120	3	30
1,3-Dichlorobenzene	5.00	5.13	5.00	4.93	103	99	80-120	4	30
1,4-Dichlorobenzene	5.00	5.18	5.00	4.96	104	99	80-120	4	30
Dichlorodifluoromethane	5.00	5.66	5.00	5.42	113	108	35-142	4	30
1,1-Dichloroethane	5.00	4.69	5.00	4.46	94	89	75-120	5	30
1,2-Dichloroethane	5.00	4.70	5.00	4.57	94	91	72-127	3	30
1,1-Dichloroethene	5.00	4.60	5.00	4.52	92	90	70-120	2	30
cis-1,2-Dichloroethene	5.00	5.07	5.00	4.81	101	96	80-120	5	30
trans-1,2-Dichloroethene	5.00	4.94	5.00	4.76	99	95	80-120	4	30
1,2-Dichloropropane	5.00	4.87	5.00	4.68	97	94	80-120	4	30
1,3-Dichloropropane	5.00	4.98	5.00	4.84	100	97	80-120	3	30
2,2-Dichloropropane	5.00	4.62	5.00	4.41	92	88	64-126	5	30
1,1-Dichloropropene	5.00	4.51	5.00	4.44	90	89	71-120	2	30
cis-1,3-Dichloropropene	5.00	4.89	5.00	4.67	98	93	80-124	5	30
trans-1,3-Dichloropropene	5.00	4.94	5.00	4.72	99	94	77-121	4	30
Ethyl t-butyl ether	5.00	4.71	5.00	4.54	94	91	67-122	4	30
Ethylbenzene	5.00	5.00	5.00	4.83	100	97	80-120	3	30
Hexachlorobutadiene	5.00	5.14	5.00	4.77	103	95	69-120	7	30
di-Isopropyl Ether	5.00	4.45	5.00	4.31	89	86	66-128	3	30
Isopropylbenzene	5.00	5.29	5.00	5.07	106	101	80-120	4	30
p-Isopropyltoluene	5.00	5.21	5.00	4.98	104	100	80-120	5	30
Methyl Tertiary Butyl Ether	5.00	4.91	5.00	4.73	98	95	74-120	4	30
Methylene Chloride	5.00	4.75	5.00	4.56	95	91	80-120	4	30
Naphthalene	5.00	5.82	5.00	5.53	116	111	58-125	5	30
n-Propylbenzene	5.00	5.02	5.00	4.83	100	97	79-120	4	30
Styrene	5.00	5.39	5.00	5.19	108	104	80-122	4	30
1,1,1,2-Tetrachloroethane	5.00	5.14	5.00	4.98	103	100	72-125	3	30
1,1,2,2-Tetrachloroethane	5.00	5.30	5.00	5.01	106	100	80-120	6	30
Tetrachloroethene	5.00	5.05	5.00	4.85	101	97	80-120	4	30
Toluene	5.00	5.00	5.00	4.81	100	96	80-120	4	30
1,2,3-Trichlorobenzene	5.00	5.21	5.00	4.96	104	99	59-120	5	30
1,2,4-Trichlorobenzene	5.00	5.25	5.00	5.02	105	100	67-120	4	30
1,1,1-Trichloroethane	5.00	4.81	5.00	4.58	96	92	70-124	5	30
1,1,2-Trichloroethane	5.00	5.26	5.00	5.06	105	101	80-120	4	30
Trichloroethene	5.00	5.06	5.00	4.78	101	96	80-120	6	30
Trichlorofluoromethane	5.00	5.10	5.00	4.84	102	97	64-133	5	30
1,2,3-Trichloropropane	5.00	5.47	5.00	5.21	109	104	80-120	5	30
1,2,4-Trimethylbenzene	5.00	5.19	5.00	4.96	104	99	80-120	4	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: 07/31/2016 13:33

Group Number: 1687670

LCS/LCSD (continued)

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
1,3,5-Trimethylbenzene	5.00	5.20	5.00	5.00	104	100	80-120	4	30
Vinyl Chloride	5.00	4.74	5.00	4.60	95	92	62-128	3	30
Xylene (Total)	15	15.53	15	14.95	104	100	80-120	4	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 16208B20A	Sample number(s): 8495627-8495629								
TPH-GRO water C6-C10	1100	991.06			90		80-120		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16209987901A	Sample number(s): 8495627-8495629								
Nitrate Nitrogen	0.750	0.768			102		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: 16208B20A	Sample number(s): 8495627-8495629 UNSPK: P490369									
TPH-GRO water C6-C10	796.27	1100	2035.39	1100	1891.15	113	100	80-120	7	30
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16209987901A	Sample number(s): 8495627-8495629 UNSPK: P495189									
Nitrate Nitrogen	N.D.	5.00	5.03			101		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: 16209987901A	Sample number(s): 8495627-8495629 BKG: P495189			
Nitrate Nitrogen	N.D.	N.D.	0 (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.

*- 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: 07/31/2016 13:33

Group Number: 1687670

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: C162111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8495627	97	104	99	96
8495628	98	105	99	96
8495629	99	103	99	95
Blank	100	104	99	96
LCS	101	101	99	99
LCSD	100	104	99	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16208B20A

	Trifluorotoluene-F
8495627	90
8495628	89
8495629	89
Blank	90
LCS	103
MS	180*
MSD	180*
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 # 1687670 Sample # 8495627-29

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

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

Analyses Requested / Preservation Codes

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	7-26-16	0940	X		9	X	X	X			EQEDD file name:
MW-9	7-26-16	1225	X		9	X	X	X			Carroll Monrovia-lab
MW-16	7-26-16	1420	X		9	X	X	X			report #.17953.
											EQEDD.zip

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
Jeff Plummer	7-27-16	0800	Denise Woodring	7-27-16	0800
Denise Woodring	7-27-16	1235	[illegible]	7/27/16	[illegible]
[illegible]	7/27/16	18:15			
			Esandez	7-27-16	1815

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: 155466

Group Number(s): 1687670

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/27/2016 18:15
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	Yes	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 Melvin Sanchez (8943) at 19:49 on 07/27/2016

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

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.

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Analysis Report

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: August 15, 2016

Project: Carroll Monrovia

Submittal Date: 07/28/2016
Group Number: 1688254
PO Number: 0402993-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-10 Grab Groundwater	8497943
MW-14S Grab Groundwater	8497944
MW-14D Grab Groundwater	8497945
MW-17 Grab Groundwater	8497946
MW-2 Grab Groundwater	8497947

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

LL Sample # WW 8497943
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 10:15 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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	0.3	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	0.2	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	1.1		0.1	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	1
02898	Naphthalene	91-20-3	N.D.		0.1	1
02898	n-Propylbenzene	103-65-1	N.D.		0.1	1

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Analysis Report

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

LL Sample # WW 8497943
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 10:15 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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	3.4		0.25	5

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	C162111AA	07/30/2016 00:45	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/30/2016 00:45	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16212A20A	07/30/2016 17:41	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16212A20A	07/30/2016 17:41	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16210972121B	07/29/2016 00:24	Alexandria M Lanager	5

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Analysis Report

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

LL Sample # WW 8497944
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 11:05 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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

MV14S

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	0.1	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	0.9		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 8497944
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 11:05 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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

MV14S

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

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	C162111AA	07/30/2016 01:08	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/30/2016 01:08	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16212A20A	07/30/2016 18:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16212A20A	07/30/2016 18:09	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16210972121B	07/29/2016 01:09	Alexandria M Lanager	5

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

LL Sample # WW 8497945
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 12:25 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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	0.4	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	8.5	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	0.6	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	1.6		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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Analysis Report

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

LL Sample # WW 8497945
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 12:25 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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.	64	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	36.7	1.5	5
	SM 3500-Fe B 1997		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	0.063	0.010	1

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	C162111AA	07/30/2016 03:00	Kevin A Sposito	1
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C162111AA	07/30/2016 03:22	Kevin A Sposito	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162111AA	07/30/2016 03:00	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C162111AA	07/30/2016 03:22	Kevin A Sposito	10
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16212A20A	07/30/2016 18:36	Marie D Beamenderfer	1

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Analysis Report

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

LL Sample # WW 8497945
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 12:25 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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

MV14D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01146	GC VOA Water Prep	SW-846 5030B	1	16212A20A	07/30/2016 18:36	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16210972121B	07/29/2016 01:24	Alexandria M Lanager	5
00228	Sulfate	EPA 300.0	1	16210972121B	07/29/2016 01:24	Alexandria M Lanager	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16213834401A	07/31/2016 04:00	Daniel S Smith	1

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

LL Sample # WW 8497946
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 13:35 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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	N.D.	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	0.5	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	1.5	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	1.6	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-17 Grab Groundwater
11791 Fingerboard Rd, Monrovia, MD
Carroll Monrovia

LL Sample # WW 8497946
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 13:35 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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	3.1	0.25	5

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	I162151AA	08/02/2016 23:33	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I162151AA	08/02/2016 23:33	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16212A20A	07/30/2016 19:04	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16212A20A	07/30/2016 19:04	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16210972121B	07/29/2016 01:39	Alexandria M Lanager	5

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Analysis Report

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

LL Sample # WW 8497947
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 14:30 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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 8497947
LL Group # 1688254
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/27/2016 14:30 by JP

Submitted: 07/28/2016 16:25
Reported: 08/15/2016 09:50

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

MVR02

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	
02898	Styrene	100-42-5	N.D.		0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	1
02898	Tetrachloroethene	127-18-4	0.4	J	0.1	1
02898	Toluene	108-88-3	N.D.		0.1	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	1
02898	Trichloroethene	79-01-6	N.D.		0.1	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	N.D.		20	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	3.7		0.25	5

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	I162151AA	08/02/2016 23:54	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I162151AA	08/02/2016 23:54	Kevin A Sposito	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16212A20A	07/30/2016 19:32	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16212A20A	07/30/2016 19:32	Marie D Beamenderfer	1
00368	Nitrate Nitrogen	EPA 300.0	1	16210972121B	07/29/2016 01:54	Alexandria M Lanager	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/15/2016 09:50

Group Number: 1688254

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: C162111AA	Sample number(s): 8497943-8497945	
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: 08/15/2016 09:50

Group Number: 1688254

Method Blank (continued)

Analysis Name	Result ug/l	MDL 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: I162151AA	Sample number(s): 8497946-8497947	
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

*- 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: 08/15/2016 09:50

Group Number: 1688254

Method Blank (continued)

Analysis Name	Result	MDL
	ug/l	ug/l
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
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: 16212A20A	Sample number(s): 8497943-8497947	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16210972121B	Sample number(s): 8497943-8497947	
Nitrate Nitrogen	N.D.	0.050
Sulfate	N.D.	0.30
Batch number: 16213834401A	Sample number(s): 8497945	
Ferrous Iron	N.D.	0.010

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(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: 08/15/2016 09:50

Group Number: 1688254

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: C162111AA	Sample number(s): 8497943-8497945								
Acrylonitrile	25	22.74	25	22.32	91	89	68-135	2	30
t-Amyl methyl ether	5.00	4.88	5.00	4.71	98	94	73-120	3	30
Benzene	5.00	4.87	5.00	4.66	97	93	80-120	5	30
Bromobenzene	5.00	5.19	5.00	4.96	104	99	80-120	4	30
Bromochloromethane	5.00	5.25	5.00	5.04	105	101	80-125	4	30
Bromodichloromethane	5.00	5.05	5.00	4.88	101	98	80-120	3	30
Bromoform	5.00	5.09	5.00	4.84	102	97	62-128	5	30
Bromomethane	5.00	5.00	5.00	4.67	100	93	71-126	7	30
t-Butyl Alcohol	50	51.18	50	49.32	102	99	64-146	4	30
n-Butylbenzene	5.00	5.11	5.00	4.84	102	97	80-120	5	30
sec-Butylbenzene	5.00	5.25	5.00	5.05	105	101	80-120	4	30
tert-Butylbenzene	5.00	5.73	5.00	5.06	115	101	80-120	12	30
Carbon Disulfide	5.00	4.53	5.00	4.36	91	87	65-120	4	30
Chlorobenzene	5.00	5.10	5.00	4.93	102	99	80-120	3	30
Chloroethane	5.00	4.60	5.00	4.49	92	90	71-122	2	30
Chloroform	5.00	4.82	5.00	4.60	96	92	80-120	5	30
Chloromethane	5.00	4.74	5.00	4.57	95	91	63-121	4	30
2-Chlorotoluene	5.00	5.23	5.00	5.06	105	101	80-120	3	30
4-Chlorotoluene	5.00	5.16	5.00	4.94	103	99	80-120	4	30
1,2-Dibromo-3-chloropropane	5.00	5.30	5.00	4.93	106	99	56-131	7	30
Dibromochloromethane	5.00	5.23	5.00	4.98	105	100	68-131	5	30
1,2-Dibromoethane	5.00	5.47	5.00	5.23	109	105	80-120	4	30
Dibromomethane	5.00	5.26	5.00	4.96	105	99	80-122	6	30
trans-1,4-Dichloro-2-butene	25	14.09	25	12.96	56	52	10-182	8	30
1,2-Dichlorobenzene	5.00	5.16	5.00	5.00	103	100	80-120	3	30
1,3-Dichlorobenzene	5.00	5.13	5.00	4.93	103	99	80-120	4	30
1,4-Dichlorobenzene	5.00	5.18	5.00	4.96	104	99	80-120	4	30
Dichlorodifluoromethane	5.00	5.66	5.00	5.42	113	108	35-142	4	30
1,1-Dichloroethane	5.00	4.69	5.00	4.46	94	89	75-120	5	30
1,2-Dichloroethane	5.00	4.70	5.00	4.57	94	91	72-127	3	30
1,1-Dichloroethene	5.00	4.60	5.00	4.52	92	90	70-120	2	30
cis-1,2-Dichloroethene	5.00	5.07	5.00	4.81	101	96	80-120	5	30
trans-1,2-Dichloroethene	5.00	4.94	5.00	4.76	99	95	80-120	4	30
1,2-Dichloropropane	5.00	4.87	5.00	4.68	97	94	80-120	4	30
1,3-Dichloropropane	5.00	4.98	5.00	4.84	100	97	80-120	3	30
2,2-Dichloropropane	5.00	4.62	5.00	4.41	92	88	64-126	5	30
1,1-Dichloropropene	5.00	4.51	5.00	4.44	90	89	71-120	2	30
cis-1,3-Dichloropropene	5.00	4.89	5.00	4.67	98	93	80-124	5	30
trans-1,3-Dichloropropene	5.00	4.94	5.00	4.72	99	94	77-121	4	30
Ethyl t-butyl ether	5.00	4.71	5.00	4.54	94	91	67-122	4	30
Ethylbenzene	5.00	5.00	5.00	4.83	100	97	80-120	3	30
Hexachlorobutadiene	5.00	5.14	5.00	4.77	103	95	69-120	7	30
di-Isopropyl Ether	5.00	4.45	5.00	4.31	89	86	66-128	3	30
Isopropylbenzene	5.00	5.29	5.00	5.07	106	101	80-120	4	30
p-Isopropyltoluene	5.00	5.21	5.00	4.98	104	100	80-120	5	30
Methyl Tertiary Butyl Ether	5.00	4.91	5.00	4.73	98	95	74-120	4	30
Methylene Chloride	5.00	4.75	5.00	4.56	95	91	80-120	4	30
Naphthalene	5.00	5.82	5.00	5.53	116	111	58-125	5	30
n-Propylbenzene	5.00	5.02	5.00	4.83	100	97	79-120	4	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: 08/15/2016 09:50

Group Number: 1688254

LCS/LCSD (continued)

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
Styrene	5.00	5.39	5.00	5.19	108	104	80-122	4	30
1,1,1,2-Tetrachloroethane	5.00	5.14	5.00	4.98	103	100	72-125	3	30
1,1,2,2-Tetrachloroethane	5.00	5.30	5.00	5.01	106	100	80-120	6	30
Tetrachloroethene	5.00	5.05	5.00	4.85	101	97	80-120	4	30
Toluene	5.00	5.00	5.00	4.81	100	96	80-120	4	30
1,2,3-Trichlorobenzene	5.00	5.21	5.00	4.96	104	99	59-120	5	30
1,2,4-Trichlorobenzene	5.00	5.25	5.00	5.02	105	100	67-120	4	30
1,1,1-Trichloroethane	5.00	4.81	5.00	4.58	96	92	70-124	5	30
1,1,2-Trichloroethane	5.00	5.26	5.00	5.06	105	101	80-120	4	30
Trichloroethene	5.00	5.06	5.00	4.78	101	96	80-120	6	30
Trichlorofluoromethane	5.00	5.10	5.00	4.84	102	97	64-133	5	30
1,2,3-Trichloropropane	5.00	5.47	5.00	5.21	109	104	80-120	5	30
1,2,4-Trimethylbenzene	5.00	5.19	5.00	4.96	104	99	80-120	4	30
1,3,5-Trimethylbenzene	5.00	5.20	5.00	5.00	104	100	80-120	4	30
Vinyl Chloride	5.00	4.74	5.00	4.60	95	92	62-128	3	30
Xylene (Total)	15	15.53	15	14.95	104	100	80-120	4	30
Batch number: I162151AA	Sample number(s): 8497946-8497947								
Acrylonitrile	25	26.02	25	25.56	104	102	68-135	2	30
t-Amyl methyl ether	5.00	5.14	5.00	5.00	103	100	73-120	3	30
Benzene	5.00	5.11	5.00	5.02	102	100	80-120	2	30
Bromobenzene	5.00	5.19	5.00	5.01	104	100	80-120	3	30
Bromochloromethane	5.00	5.02	5.00	4.97	100	99	80-125	1	30
Bromodichloromethane	5.00	5.40	5.00	5.29	108	106	80-120	2	30
Bromoform	5.00	4.85	5.00	4.62	97	92	62-128	5	30
Bromomethane	5.00	5.24	5.00	5.07	105	101	71-126	3	30
t-Butyl Alcohol	50	48.56	50	54.11	97	108	64-146	11	30
n-Butylbenzene	5.00	5.14	5.00	5.02	103	100	80-120	2	30
sec-Butylbenzene	5.00	5.27	5.00	5.14	105	103	80-120	2	30
tert-Butylbenzene	5.00	5.34	5.00	5.15	107	103	80-120	4	30
Carbon Disulfide	5.00	4.96	5.00	4.84	99	97	65-120	2	30
Chlorobenzene	5.00	5.11	5.00	4.92	102	98	80-120	4	30
Chloroethane	5.00	5.17	5.00	5.08	103	102	71-122	2	30
Chloroform	5.00	5.02	5.00	4.96	100	99	80-120	1	30
Chloromethane	5.00	5.39	5.00	5.17	108	103	63-121	4	30
2-Chlorotoluene	5.00	5.17	5.00	5.05	103	101	80-120	2	30
4-Chlorotoluene	5.00	5.22	5.00	5.03	104	101	80-120	4	30
1,2-Dibromo-3-chloropropane	5.00	3.87	5.00	3.98	77	80	56-131	3	30
Dibromochloromethane	5.00	4.97	5.00	4.82	99	96	68-131	3	30
1,2-Dibromoethane	5.00	5.45	5.00	5.24	109	105	80-120	4	30
Dibromomethane	5.00	5.16	5.00	4.98	103	100	80-122	4	30
trans-1,4-Dichloro-2-butene	25	19.06	25	19.26	76	77	10-182	1	30
1,2-Dichlorobenzene	5.00	5.12	5.00	4.98	102	100	80-120	3	30
1,3-Dichlorobenzene	5.00	5.10	5.00	4.97	102	99	80-120	3	30
1,4-Dichlorobenzene	5.00	5.09	5.00	4.90	102	98	80-120	4	30
Dichlorodifluoromethane	5.00	6.41	5.00	6.16	128	123	35-142	4	30
1,1-Dichloroethane	5.00	5.19	5.00	5.16	104	103	75-120	1	30
1,2-Dichloroethane	5.00	5.19	5.00	5.01	104	100	72-127	3	30
1,1-Dichloroethene	5.00	5.28	5.00	5.20	106	104	70-120	1	30
cis-1,2-Dichloroethene	5.00	5.11	5.00	5.06	102	101	80-120	1	30
trans-1,2-Dichloroethene	5.00	5.33	5.00	5.30	107	106	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: 08/15/2016 09:50

Group Number: 1688254

LCS/LCSD (continued)

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-Dichloropropane	5.00	5.34	5.00	5.20	107	104	80-120	3	30
1,3-Dichloropropane	5.00	5.16	5.00	4.93	103	99	80-120	5	30
2,2-Dichloropropane	5.00	5.16	5.00	5.07	103	101	64-126	2	30
1,1-Dichloropropene	5.00	4.92	5.00	4.87	98	97	71-120	1	30
cis-1,3-Dichloropropene	5.00	5.34	5.00	5.15	107	103	80-124	4	30
trans-1,3-Dichloropropene	5.00	5.03	5.00	4.85	101	97	77-121	4	30
Ethyl t-butyl ether	5.00	5.15	5.00	5.07	103	101	67-122	2	30
Ethylbenzene	5.00	5.14	5.00	5.01	103	100	80-120	3	30
Hexachlorobutadiene	5.00	5.19	5.00	4.95	104	99	69-120	5	30
di-Isopropyl Ether	5.00	5.25	5.00	5.12	105	102	66-128	2	30
Isopropylbenzene	5.00	5.33	5.00	5.20	107	104	80-120	2	30
p-Isopropyltoluene	5.00	5.23	5.00	5.10	105	102	80-120	2	30
Methyl Tertiary Butyl Ether	5.00	5.23	5.00	5.05	105	101	74-120	3	30
Methylene Chloride	5.00	5.05	5.00	5.05	101	101	80-120	0	30
Naphthalene	5.00	5.28	5.00	5.15	106	103	58-125	2	30
n-Propylbenzene	5.00	5.21	5.00	5.03	104	101	79-120	3	30
Styrene	5.00	5.43	5.00	5.28	109	106	80-122	3	30
1,1,1,2-Tetrachloroethane	5.00	5.23	5.00	5.05	105	101	72-125	3	30
1,1,2,2-Tetrachloroethane	5.00	5.23	5.00	5.01	105	100	80-120	4	30
Tetrachloroethene	5.00	5.23	5.00	5.08	105	102	80-120	3	30
Toluene	5.00	5.13	5.00	5.00	103	100	80-120	2	30
1,2,3-Trichlorobenzene	5.00	4.95	5.00	4.91	99	98	59-120	1	30
1,2,4-Trichlorobenzene	5.00	5.12	5.00	4.98	102	100	67-120	3	30
1,1,1-Trichloroethane	5.00	5.14	5.00	4.99	103	100	70-124	3	30
1,1,2-Trichloroethane	5.00	5.18	5.00	4.95	104	99	80-120	5	30
Trichloroethene	5.00	5.25	5.00	5.22	105	104	80-120	1	30
Trichlorofluoromethane	5.00	5.42	5.00	5.54	108	111	64-133	2	30
1,2,3-Trichloropropane	5.00	5.47	5.00	5.16	109	103	80-120	6	30
1,2,4-Trimethylbenzene	5.00	5.26	5.00	5.10	105	102	80-120	3	30
1,3,5-Trimethylbenzene	5.00	5.26	5.00	5.12	105	102	80-120	3	30
Vinyl Chloride	5.00	5.49	5.00	5.33	110	107	62-128	3	30
Xylene (Total)	15	15.48	15	15.08	103	101	80-120	3	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 16212A20A	Sample number(s): 8497943-8497947								
TPH-GRO water C6-C10	1100	983.58	1100	985.75	89	90	80-120	0	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16210972121B	Sample number(s): 8497943-8497947								
Nitrate Nitrogen	0.750	0.804			107		90-110		
Sulfate	7.50	7.96			106		90-110		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 16213834401A	Sample number(s): 8497945								
Ferrous Iron	0.400	0.402			100		93-105		

*- 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: 08/15/2016 09:50

Group Number: 1688254

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: 16210972121B	Sample number(s): 8497943-8497947 UNSPK: 8497943, P497943									
Nitrate Nitrogen	3.45	5.00	8.35			98		90-110		
Sulfate	1.85	50	52.93			102		90-110		
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 16213834401A	Sample number(s): 8497945 UNSPK: P500804									
Ferrous Iron	1.35	4.00	5.08	4.00	5.24	93	97	93-105	3	6

Laboratory Duplicate

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

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Batch number: 16210972121B	Sample number(s): 8497943-8497947 BKG: 8497943, P497943			
Nitrate Nitrogen	3.45	3.47	1	15
Sulfate	1.85	2.06	11 (1)	15
	mg/l	mg/l		
Batch number: 16213834401A	Sample number(s): 8497945 BKG: P500804			
Ferrous Iron	1.35	1.35	0	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: C162111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8497943	99	104	100	95
8497944	100	104	99	95
8497945	102	105	98	95
Blank	100	104	99	96
LCS	101	101	99	99
LCSD	100	104	99	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: VOCs- 25ml Water by 8260B
Batch number: I162151AA

*- 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: 08/15/2016 09:50

Group Number: 1688254

Surrogate Quality Control (continued)

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

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8497946	102	103	99	100
8497947	101	101	100	99
Blank	100	104	100	100
LCS	100	102	100	100
LCSD	101	104	100	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16212A20A

	Trifluorotoluene-F
8497943	92
8497944	91
8497945	91
8497946	89
8497947	88
Blank	88
LCS	104
LCSD	96
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 # 1688254 Sample # 8197943 - 47

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

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

Analyses Requested / Preservation Codes

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)
MW-10	7-27-16	1015	X		9	X	X	X		
MW-14S	↓	1105	↓		9	X	X	X		
MW-14D	↓	1225	↓		10	X	X	X	X	X
MW-17	↓	1335	↓		9	X	X	X		
MW-2	7-27-16	1430	X		9	X	X	X		

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

Remarks: 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
Jeff Plummer	7-28-16	0800	Denise Woodring	7-28-16	0800
Denise Woodring	7-28-16	1:15	Bill DeEng	7-28-16	13:15
Bill DeEng	7-28-16	16:25			

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____
Temperature upon receipt 3.8 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 155664

Group Number(s): 1688254

Client: GWE

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/28/2016 16:25
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:	N/A
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 Karen Diem (3060) at 17:19 on 07/28/2016

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	DT131	3.8	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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

Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, 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: August 09, 2016

Project: Carroll Monrovia

Submittal Date: 07/29/2016
Group Number: 1688852
PO Number: 0402993-06-206
Release Number: MONROVIA
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
MW-15D Grab Groundwater	8500803
MW-18D Grab Groundwater	8500804
MW-18S-R Grab Groundwater	8500805

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

Analysis Report

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

LL Sample # WW 8500803
LL Group # 1688852
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/28/2016 11:15 by JP

Submitted: 07/29/2016 18:08
Reported: 08/09/2016 09:02

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	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	0.1	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 8500803
LL Group # 1688852
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/28/2016 11:15 by JP

Submitted: 07/29/2016 18:08
Reported: 08/09/2016 09:02

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	2.0	0.25	5

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	C162172AA	08/05/2016	01:24	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162172AA	08/05/2016	01:24	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16214C20A	08/02/2016	14:32	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16214C20A	08/02/2016	14:32	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16211667132A	07/29/2016	22:46	Drew M Gerhart	5

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Analysis Report

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

LL Sample # WW 8500804
LL Group # 1688852
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/28/2016 12:20 by JP

Submitted: 07/29/2016 18:08
Reported: 08/09/2016 09:02

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	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	6.0	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	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	0.2	J	0.1	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	18		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 8500804
LL Group # 1688852
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/28/2016 12:20 by JP

Submitted: 07/29/2016 18:08
Reported: 08/09/2016 09:02

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.	22	J	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	9.4		1.5	5
	SM 3500-Fe B 1997		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	1.3		0.10	10

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	C162172AA	08/05/2016 01:46	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162172AA	08/05/2016 01:46	Matthew S Krause	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16214C20A	08/02/2016 15:00	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16214C20A	08/02/2016 15:00	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16211667132A	07/29/2016 23:01	Drew M Gerhart	5
00228	Sulfate	EPA 300.0	1	16211667132A	07/29/2016 23:01	Drew M Gerhart	5
08344	Ferrous Iron	SM 3500-Fe B 1997	1	16213834401A	07/31/2016 04:00	Daniel S Smith	10

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Analysis Report

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

LL Sample # WW 8500805
LL Group # 1688852
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/28/2016 13:25 by JP

Submitted: 07/29/2016 18:08
Reported: 08/09/2016 09:02

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

MV18S

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	
02898	Acrylonitrile	107-13-1	N.D.	1.0	1
02898	t-Amyl methyl ether	994-05-8	1.3	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	33	4.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	1
02898	Carbon Disulfide	75-15-0	N.D.	0.4	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	1
02898	Chloroethane	75-00-3	N.D.	0.1	1
02898	Chloroform	67-66-3	0.7	0.1	1
02898	Chloromethane	74-87-3	N.D.	0.2	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	1
02898	Dibromomethane	74-95-3	N.D.	0.1	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	1
02898	Ethyl t-butyl ether	637-92-3	N.D.	0.1	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	1
02898	di-Isopropyl Ether	108-20-3	3.3	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	100	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 8500805
LL Group # 1688852
Account # 08390

Project Name: Carroll Monrovia

Collected: 07/28/2016 13:25 by JP

Submitted: 07/29/2016 18:08
Reported: 08/09/2016 09:02

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

MV18S

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	
02898	Styrene	100-42-5	N.D.	0.1	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	1
02898	Toluene	108-88-3	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.	97	20	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	2.7	0.25	5

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	C162172AA	08/05/2016	02:09	Matthew S Krause	1
02898	VOCs- 25ml Water by 8260B	SW-846 8260B 25mL purge	1	C162182AA	08/06/2016	01:11	Matthew S Krause	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C162172AA	08/05/2016	02:09	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C162182AA	08/06/2016	01:11	Matthew S Krause	10
01635	TPH-GRO water C6-C10	SW-846 8015B	1	16214C20A	08/02/2016	15:27	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16214C20A	08/02/2016	15:27	Jeremy C Giffin	1
00368	Nitrate Nitrogen	EPA 300.0	1	16211667132A	07/29/2016	23:16	Drew M Gerhart	5

Quality Control Summary

Client Name: GES, Inc.
Reported: 08/09/2016 09:02

Group Number: 1688852

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: C162172AA	Sample number(s): 8500803-8500805	
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: 08/09/2016 09:02

Group Number: 1688852

Method Blank (continued)

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: C162182AA	Sample number(s): 8500805	
Methyl Tertiary Butyl Ether	N.D.	0.1
Batch number: 16214C20A	Sample number(s): 8500803-8500805	
TPH-GRO water C6-C10	N.D.	20
	mg/l	mg/l
Batch number: 16211667132A	Sample number(s): 8500803-8500805	
Nitrate Nitrogen	N.D.	0.050
Sulfate	N.D.	0.30
Batch number: 16213834401A	Sample number(s): 8500804	
Ferrous Iron	N.D.	0.010

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: C162172AA	Sample number(s): 8500803-8500805								
Acrylonitrile	25	22.72	25	23.12	91	92	68-135	2	30
t-Amyl methyl ether	5.00	5.06	5.00	4.94	101	99	73-120	3	30
Benzene	5.00	4.85	5.00	4.71	97	94	80-120	3	30
Bromobenzene	5.00	5.00	5.00	4.86	100	97	80-120	3	30
Bromochloromethane	5.00	5.11	5.00	5.00	102	100	80-125	2	30
Bromodichloromethane	5.00	5.49	5.00	5.35	110	107	80-120	3	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.
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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/09/2016 09:02

Group Number: 1688852

LCS/LCSD (continued)

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
Bromoform	5.00	5.17	5.00	5.15	103	103	62-128	0	30
Bromomethane	5.00	5.25	5.00	5.09	105	102	71-126	3	30
t-Butyl Alcohol	50	53.31	50	53.83	107	108	64-146	1	30
n-Butylbenzene	5.00	4.95	5.00	4.88	99	98	80-120	2	30
sec-Butylbenzene	5.00	4.97	5.00	4.84	99	97	80-120	3	30
tert-Butylbenzene	5.00	4.74	5.00	4.67	95	93	80-120	2	30
Carbon Disulfide	5.00	4.72	5.00	4.57	94	91	65-120	3	30
Chlorobenzene	5.00	4.95	5.00	4.86	99	97	80-120	2	30
Chloroethane	5.00	5.08	5.00	4.91	102	98	71-122	4	30
Chloroform	5.00	5.07	5.00	4.88	101	98	80-120	4	30
Chloromethane	5.00	5.27	5.00	5.00	105	100	63-121	5	30
2-Chlorotoluene	5.00	4.92	5.00	4.86	98	97	80-120	1	30
4-Chlorotoluene	5.00	4.94	5.00	4.78	99	96	80-120	3	30
1,2-Dibromo-3-chloropropane	5.00	4.90	5.00	4.83	98	97	56-131	2	30
Dibromochloromethane	5.00	5.39	5.00	5.34	108	107	68-131	1	30
1,2-Dibromoethane	5.00	5.39	5.00	5.22	108	104	80-120	3	30
Dibromomethane	5.00	5.36	5.00	5.30	107	106	80-122	1	30
trans-1,4-Dichloro-2-butene	25	8.37	25	9.02	33	36	10-182	8	30
1,2-Dichlorobenzene	5.00	5.07	5.00	4.97	101	99	80-120	2	30
1,3-Dichlorobenzene	5.00	4.94	5.00	4.81	99	96	80-120	3	30
1,4-Dichlorobenzene	5.00	5.06	5.00	4.96	101	99	80-120	2	30
Dichlorodifluoromethane	5.00	5.29	5.00	5.14	106	103	35-142	3	30
1,1-Dichloroethane	5.00	4.96	5.00	4.83	99	97	75-120	3	30
1,2-Dichloroethane	5.00	5.38	5.00	5.20	108	104	72-127	3	30
1,1-Dichloroethene	5.00	4.42	5.00	4.60	88	92	70-120	4	30
cis-1,2-Dichloroethene	5.00	4.82	5.00	4.70	96	94	80-120	3	30
trans-1,2-Dichloroethene	5.00	4.82	5.00	4.69	96	94	80-120	3	30
1,2-Dichloropropane	5.00	5.08	5.00	5.00	102	100	80-120	2	30
1,3-Dichloropropane	5.00	5.13	5.00	5.05	103	101	80-120	2	30
2,2-Dichloropropane	5.00	5.09	5.00	4.94	102	99	64-126	3	30
1,1-Dichloropropene	5.00	4.64	5.00	4.48	93	90	71-120	4	30
cis-1,3-Dichloropropene	5.00	4.94	5.00	4.93	99	99	80-124	0	30
trans-1,3-Dichloropropene	5.00	5.15	5.00	5.09	103	102	77-121	1	30
Ethyl t-butyl ether	5.00	5.00	5.00	4.89	100	98	67-122	2	30
Ethylbenzene	5.00	5.00	5.00	4.83	100	97	80-120	4	30
Hexachlorobutadiene	5.00	4.91	5.00	4.73	98	95	69-120	4	30
di-Isopropyl Ether	5.00	4.91	5.00	4.82	98	96	66-128	2	30
Isopropylbenzene	5.00	5.15	5.00	5.03	103	101	80-120	2	30
p-Isopropyltoluene	5.00	4.95	5.00	4.86	99	97	80-120	2	30
Methyl Tertiary Butyl Ether	5.00	5.13	5.00	5.00	103	100	74-120	3	30
Methylene Chloride	5.00	4.68	5.00	4.59	94	92	80-120	2	30
Naphthalene	5.00	5.47	5.00	5.33	109	107	58-125	3	30
n-Propylbenzene	5.00	4.89	5.00	4.76	98	95	79-120	3	30
Styrene	5.00	5.23	5.00	5.07	105	101	80-122	3	30
1,1,1,2-Tetrachloroethane	5.00	5.35	5.00	5.18	107	104	72-125	3	30
1,1,2,2-Tetrachloroethane	5.00	5.11	5.00	5.09	102	102	80-120	0	30
Tetrachloroethene	5.00	4.87	5.00	4.69	97	94	80-120	4	30
Toluene	5.00	4.84	5.00	4.68	97	94	80-120	3	30
1,2,3-Trichlorobenzene	5.00	4.97	5.00	4.76	99	95	59-120	4	30
1,2,4-Trichlorobenzene	5.00	4.99	5.00	4.82	100	96	67-120	3	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: 08/09/2016 09:02

Group Number: 1688852

LCS/LCSD (continued)

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
1,1,1-Trichloroethane	5.00	5.15	5.00	5.03	103	101	70-124	2	30
1,1,2-Trichloroethane	5.00	5.13	5.00	5.11	103	102	80-120	0	30
Trichloroethene	5.00	5.07	5.00	4.88	101	98	80-120	4	30
Trichlorofluoromethane	5.00	5.44	5.00	5.21	109	104	64-133	4	30
1,2,3-Trichloropropane	5.00	5.57	5.00	5.57	111	111	80-120	0	30
1,2,4-Trimethylbenzene	5.00	5.08	5.00	4.95	102	99	80-120	3	30
1,3,5-Trimethylbenzene	5.00	4.98	5.00	4.89	100	98	80-120	2	30
Vinyl Chloride	5.00	4.96	5.00	4.83	99	97	62-128	3	30
Xylene (Total)	15	15.05	15	14.57	100	97	80-120	3	30
Batch number: C162182AA	Sample number(s): 8500805								
Methyl Tertiary Butyl Ether	5.00	5.15	5.00	5.13	103	103	74-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16214C20A	Sample number(s): 8500803-8500805								
TPH-GRO water C6-C10	1100	1103.93	1100	1089.7	100	99	80-120	1	30
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16211667132A	Sample number(s): 8500803-8500805								
Nitrate Nitrogen	0.750	0.738			98		90-110		
Sulfate	7.50	7.54			101		90-110		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 16213834401A	Sample number(s): 8500804								
Ferrous Iron	0.400	0.402			100		93-105		

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: 16211667132A	Sample number(s): 8500803-8500805 UNSPK: 8500805, P500805									
Nitrate Nitrogen	2.67	5.00	7.59			98		90-110		
Sulfate	3.16	50	50.66			95		90-110		
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 16213834401A	Sample number(s): 8500804 UNSPK: 8500804									
Ferrous Iron	1.35	4.00	5.08	4.00	5.24	93	97	93-105	3	6

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Quality Control Summary

Client Name: GES, Inc.
Reported: 08/09/2016 09:02

Group Number: 1688852

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: 16211667132A	Sample number(s): 8500803-8500805 BKG: 8500805, P500805			
Nitrate Nitrogen	2.67	2.87	7	15
Sulfate	3.16	3.17	0 (1)	15
	mg/l	mg/l		
Batch number: 16213834401A	Sample number(s): 8500804 BKG: 8500804			
Ferrous Iron	1.35	1.35	0	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: C162172AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8500803	98	102	101	97
8500804	98	103	102	97
8500805	98	100	101	97
Blank	106	101	100	98
LCS	105	103	99	101
LCSD	104	101	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: TPH-GRO water C6-C10
Batch number: 16214C20A

	Trifluorotoluene-F
8500803	88
8500804	89
8500805	92
Blank	90
LCS	100
LCSD	98
Limits:	63-135

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MW COC

Environmental Analysis Request/Chain of Custody

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Acct. # 8390 Group # 1688852 Sample # 8500803-05

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

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

Analyses Requested / Preservation Codes

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-15D	7-28-16	1115	X		9	X	X	X			EQEDD file name:
MW-18D	7-28-16	1220	X		10	X	X	X	X	X	Carroll Monrovia-lab
MW-18S-R	7-28-16	1325	X		9	X	X	X			report #.17953.
											EQEDD.zip

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
Jeff Plummer	7-29-16	0800	Denise Woodring	7-29-16	0800
Denise Woodring	7-29-16	13:10	[illegible]	7-29-16	13:10
[illegible]	7-29-16	1808			

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 0.5 °C

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 155857

Group Number(s): 1686852

Client: GES

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/29/2016 18:08
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 Karen Diem (3060) at 18:48 on 07/29/2016

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	DT131	0.5	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

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

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

< less than

> greater than

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

ppb parts per billion

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

Laboratory Data Qualifiers:

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, 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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