



Geosyntec
consultants

APPENDIX D

Laboratory Data – Soil Summary



2019 Ninth Avenue
 PO Box 1925
 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-103 (7'-8')-20140723	4G25100-01	Solid	Grab	07/23/14 14:40	07/25/14 15:40
B-108 (9'-10')-20140723	4G25100-02	Solid	Grab	07/23/14 11:15	07/25/14 15:40
B-11 (25.5'-26.5')-20140723	4G25100-03	Solid	Grab	07/23/14 15:45	07/25/14 15:40
B-11 (30'-31')-20140723	4G25100-04	Solid	Grab	07/23/14 15:50	07/25/14 15:40
B-108 (7'-8')-20140723	4G25100-05	Solid	Grab	07/23/14 10:00	07/25/14 15:40
B-08 (22.5'-23.25')-20140723	4G25100-06	Solid	Grab	07/23/14 08:20	07/25/14 15:40
B-103 (9'-10')-20140723	4G25100-07	Solid	Grab	07/23/14 14:50	07/25/14 15:40
B-105 (0'-1')-20140723	4G25100-08	Solid	Grab	07/23/14 16:45	07/25/14 15:40
B-27 (30'-31.5')-20140721	4G25100-09	Solid	Grab	07/21/14 13:55	07/25/14 15:40
B-27 (23.5'-24')-20140721	4G25100-10	Solid	Grab	07/21/14 13:47	07/25/14 15:40

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-103 (7'-8')-20140723

Date/Time Sampled: 07/23/14 14:40

Laboratory Sample ID: 4G25100-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	53.29		29.92	mg/kg dry	07/28/14 23:24	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		104 %	40-140		07/28/14 23:24	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	83.3		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-108 (9'-10')-20140723

Date/Time Sampled: 07/23/14 11:15

Laboratory Sample ID: 4G25100-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<27.47		27.47	mg/kg dry	07/29/14 00:08	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		134 %		40-140	07/29/14 00:08	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	90.2		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-11 (25.5'-26.5')-20140723

Date/Time Sampled: 07/23/14 15:45

Laboratory Sample ID: 4G25100-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.21		29.21	mg/kg dry	07/29/14 00:53	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		107 %		40-140	07/29/14 00:53	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.0		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-11 (30'-31')-20140723

Date/Time Sampled: 07/23/14 15:50

Laboratory Sample ID: 4G25100-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.81		29.81	mg/kg dry	07/29/14 01:37	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		84.2 %		40-140	07/29/14 01:37	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.5		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-108 (7'-8')-20140723

Date/Time Sampled: 07/23/14 10:00

Laboratory Sample ID: 4G25100-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<26.78		26.78	mg/kg dry	07/29/14 18:10	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		71.1 %		40-140	07/29/14 18:10	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	93.3		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
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 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-08 (22.5'-23.25')-20140723

Date/Time Sampled: 07/23/14 08:20

Laboratory Sample ID: 4G25100-06 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
Diesel Range Organics by EPA 8015								
Diesel Range Organics	6730		1360	mg/kg dry	07/30/14 16:12	EPA 8015D mod	rsr	AA
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	91.9		0.100	%	07/25/14 16:58	SM20-2540G	arr	

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Project: PRGS
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 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-103 (9'-10')-20140723

Date/Time Sampled: 07/23/14 14:50

Laboratory Sample ID: 4G25100-07 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<31.01		31.01	mg/kg dry	07/29/14 19:37	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	68.1 %		40-140		07/29/14 19:37	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	80.2		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-105 (0'-1')-20140723

Date/Time Sampled: 07/23/14 16:45

Laboratory Sample ID: 4G25100-08 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<32.91		32.91	mg/kg dry	07/29/14 20:20	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	75.4 %		40-140		07/29/14 20:20	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	75.9		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-27 (30'-31.5')-20140721

Date/Time Sampled: 07/21/14 13:55

Laboratory Sample ID: 4G25100-09 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.02		29.02	mg/kg dry	07/29/14 22:31	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	81.3 %		40-140		07/29/14 22:31	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.9		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Client Sample ID: B-27 (23.5'-24')-20140721

Date/Time Sampled: 07/21/14 13:47

Laboratory Sample ID: 4G25100-10 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	3286		578.4	mg/kg dry	07/30/14 16:57	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		115 %	40-140		07/30/14 16:57	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	86.1		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 10

Reported:
 08/06/14 10:26

Notes

AA Due to the dilution required by the concentration of the target analyte, the surrogate is not recoverable for this compound.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.

< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

Chain of Custody Receiving Document

Receiver: Me

Page of

Date/Time of this check: 7/15/14 1530 Client: ETS-WD Lab # 4625100-02

Received on ICE? * Sample Temperature when delivered to the Lab: 1.4 Acceptable? * or In cool down process? *

Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: SO.L

COC #	Number and Type of BOTTLES							Comments			
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)		Other	Properly Preserved	Bacti
1								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
10								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		

<p>* DEVIATION PRESENT:</p> <p><input checked="" type="checkbox"/> No Ice ()</p> <p><input checked="" type="checkbox"/> Not at Proper Temperature ()</p> <p><input checked="" type="checkbox"/> Wrong Container ()</p> <p><input checked="" type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; quality data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
--	---	--

* Comments: _____



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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-104 (5'-6')-20140724	4G25101-01	Solid	Grab	07/24/14 09:20	07/25/14 15:08
B-104 (4'-5')-20140724	4G25101-02	Solid	Grab	07/24/14 09:15	07/25/14 15:08
B-105 (7'-8')-20140724	4G25101-03	Solid	Grab	07/24/14 08:20	07/25/14 15:08
B-25D (29'-30')-20140724	4G25101-04	Solid	Grab	07/24/14 15:30	07/25/14 15:08
B-25D (31.5'-32.5')-20140724	4G25101-05	Solid	Grab	07/24/14 15:40	07/25/14 15:08
B-51D (29.5'-29.9')-20140722	4G25101-06	Solid	Grab	07/22/14 10:54	07/25/14 15:08
B-51D (23.0'-23.5')-20140722	4G25101-07	Solid	Grab	07/22/14 10:48	07/25/14 15:08
B-106 (7'-8')-20140722	4G25101-08	Solid	Grab	07/22/14 15:15	07/25/14 15:08
B-106 (9'-10')-20140722	4G25101-09	Solid	Grab	07/22/14 15:45	07/25/14 15:08
B-107 (8'-9')-20140722	4G25101-10	Solid	Grab	07/22/14 12:00	07/25/14 15:08
B-107 (9'-10')-20140722	4G25101-11	Solid	Grab	07/22/14 12:15	07/25/14 15:08

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-104 (5'-6')-20140724

Date/Time Sampled: 07/24/14 09:20

Laboratory Sample ID: 4G25101-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	782.9		142.7	mg/kg dry	07/30/14 18:32	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		149 %	40-140		07/30/14 18:32	EPA 8015D mod	rsr	2n

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	87.6		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-104 (4'-5')-20140724

Date/Time Sampled: 07/24/14 09:15

Laboratory Sample ID: 4G25101-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.14		29.14	mg/kg dry	07/30/14 01:29	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	91.5 %		40-140		07/30/14 01:29	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.7		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-105 (7'-8')-20140724

Date/Time Sampled: 07/24/14 08:20

Laboratory Sample ID: 4G25101-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.96		30.96	mg/kg dry	07/30/14 02:13	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		67.1 %		40-140	07/30/14 02:13	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	80.6		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-25D (29'-30')-20140724

Date/Time Sampled: 07/24/14 15:30

Laboratory Sample ID: 4G25101-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	3202		586.3	mg/kg dry	07/30/14 19:15	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		108 %	40-140		07/30/14 19:15	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.0		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-25D (31.5'-32.5')-20140724

Date/Time Sampled: 07/24/14 15:40

Laboratory Sample ID: 4G25101-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	3325		598.4	mg/kg dry	07/30/14 19:58	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		143 %	40-140		07/30/14 19:58	EPA 8015D mod	rsr	2n

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	83.4		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-51D (29.5'-29.9')-20140722

Date/Time Sampled: 07/22/14 10:54

Laboratory Sample ID: 4G25101-06 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

AA

Diesel Range Organics	92180	16460	mg/kg dry	07/30/14 20:42	EPA 8015D mod	rsr	
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Conventional Chemistry Parameters by SM/EPA Methods

% Solids	15.1	0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-51D (23.0'-23.5')-20140722

Date/Time Sampled: 07/22/14 10:48

Laboratory Sample ID: 4G25101-07 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
Diesel Range Organics by EPA 8015								
Diesel Range Organics	9871		2841	mg/kg dry	07/30/14 21:25	EPA 8015D mod	rsr	AA
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	87.9		0.100	%	07/25/14 16:58	SM20-2540G	arr	

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-106 (7'-8')-20140722

Date/Time Sampled: 07/22/14 15:15

Laboratory Sample ID: 4G25101-08 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<28.73		28.73	mg/kg dry	07/30/14 15:28	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		83.5 %		40-140	07/30/14 15:28	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	86.5		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-106 (9'-10')-20140722

Date/Time Sampled: 07/22/14 15:45

Laboratory Sample ID: 4G25101-09 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	692.1		303.1	mg/kg dry	07/30/14 11:47	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		102 %	40-140		07/30/14 11:47	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.2		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-107 (8'-9')-20140722

Date/Time Sampled: 07/22/14 12:00

Laboratory Sample ID: 4G25101-10 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.39		29.39	mg/kg dry	07/31/14 00:22	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		74.3 %		40-140	07/31/14 00:22	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.0		0.100	%	07/25/14 16:58	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Client Sample ID: B-107 (9'-10')-20140722

Date/Time Sampled: 07/22/14 12:15

Laboratory Sample ID: 4G25101-11 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	92.35		30.05	mg/kg dry	07/30/14 05:56	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		75.6 %		40-140	07/30/14 05:56	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	83.2		0.100	%	07/25/14 16:58	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 11

Reported:
 08/07/14 09:37

Notes

- 2n The surrogate value is not within the indicated range, results are considered to be estimated.
- AA Due to the dilution required by the concentration of the target analyte, the surrogate is not recoverable for this compound.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

Chain of Custody Receiving Document

Receiver: CB

Page of

Date/Time of this check: 7/25 15:55

Client: GES

Lab # 4625101-02

Received on ICE? * Sample Temperature when delivered to the Lab: 1.0 Acceptable? * or In cool down process? *

Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: pe @ SOLID

COC #	Number and Type of BOTTLES							Comments			
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)		Other	Properly Preserved	Bacti
1								<input checked="" type="checkbox"/> *	<input type="checkbox"/> *		
11								<input checked="" type="checkbox"/> *	<input type="checkbox"/> *		

<p>* DEVIATION PRESENT:</p> <p><input type="checkbox"/> No Ice ()</p> <p><input type="checkbox"/> Not at Proper Temperature ()</p> <p><input type="checkbox"/> Wrong Container ()</p> <p><input type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; quality data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
--	---	--

* Comments: _____



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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
SOIL CLASS-20140728	4G29071-01	Solid	Grab	07/28/14 17:20	07/29/14 15:10

4G29071 TCLP semivolatiles added after report was issued. A second TCLP extraction was completed on 080814 at 1130 for the SVOCs. The extraction was within the EPA recommended holding time. mf 08/13/14

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

Client Sample ID: SOIL CLASS-20140728

Date/Time Sampled: 07/28/14 17:20

Laboratory Sample ID: 4G29071-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	279.9		137.6	mg/kg dry	07/31/14 19:19	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		68.9 %	40-140		07/31/14 19:19	EPA 8015D mod	rsr	

TCLP Metals by 6000/7000 Series Methods

Silver	0.0136		0.0100	mg/l	08/05/14 18:03	EPA 6010B/2.0	rab	
Arsenic	<0.0200		0.0200	mg/l	08/04/14 19:57	EPA 6010B/2.0	rab	
Barium	0.438		0.0500	mg/l	08/04/14 19:55	EPA 6010B/2.0	rab	
Cadmium	<0.0100		0.0100	mg/l	08/04/14 19:57	EPA 6010B/2.0	rab	
Chromium	0.0169		0.0100	mg/l	08/04/14 19:57	EPA 6010B/2.0	rab	
Mercury	<0.000200		0.000200	mg/l	08/01/14 13:53	EPA 7471B	naw	
Lead	<0.0200		0.0200	mg/l	08/04/14 19:57	EPA 6010B/2.0	rab	
Selenium	<0.0500		0.0500	mg/l	08/04/14 19:57	EPA 6010B/2.0	rab	

Polychlorinated Biphenyls by EPA Method 8082

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

Client Sample ID: SOIL CLASS-20140728

Date/Time Sampled: 07/28/14 17:20

Laboratory Sample ID: 4G29071-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
PCB-1221	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
PCB-1232	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
PCB-1242	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
PCB-1248	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
PCB-1254	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
PCB-1260	<0.055	0.055		mg/kg dry	08/05/14 23:39	EPA 8082	rsr	
<i>Surrogate: Tetrachloro-meta-xylene</i>		93.6 %	70-130		08/05/14 23:39	EPA 8082	rsr	
<i>Surrogate: Decachlorobiphenyl</i>		99.5 %	70-130		08/05/14 23:39	EPA 8082	rsr	

Volatile Organic Compounds by EPA Method 8260B

1,3,5-Trimethylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2,4-Trimethylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Benzene	<0.227	0.227		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Toluene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Ethylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Isopropylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Methyl tert-butyl ether	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Naphthalene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	

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 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

Client Sample ID: SOIL CLASS-20140728

Date/Time Sampled: 07/28/14 17:20

Laboratory Sample ID: 4G29071-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Acrylonitrile	<1.14	1.14		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Bromobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Bromochloromethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Bromodichloromethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Bromoform	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Bromomethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
sec-Butylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
tert-Butylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
n-Butylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Carbon disulfide	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Chlorobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Chloroethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Chloroform	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Chloromethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
4-Chlorotoluene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
2-Chlorotoluene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2-Dibromo-3-chloropropane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Dibromochloromethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	

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Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

Client Sample ID: SOIL CLASS-20140728

Date/Time Sampled: 07/28/14 17:20

Laboratory Sample ID: 4G29071-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

1,2-Dibromoethane (EDB)	<0.227	0.227		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Dibromomethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
trans-1,4-Dichloro-2-butene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2-Dichlorobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,4-Dichlorobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,3-Dichlorobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Dichlorodifluoromethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	2e
1,2-Dichloroethane	<0.227	0.227		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1-Dichloroethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
trans-1,2-Dichloroethene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
cis-1,2-Dichloroethene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1-Dichloroethene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
2,2-Dichloropropane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,3-Dichloropropane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2-Dichloropropane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
trans-1,3-Dichloropropene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1-Dichloropropene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
cis-1,3-Dichloropropene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	

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 Project Number: [none]
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Laboratory Sample ID: 4G29071-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Hexachlorobutadiene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
p-Isopropyltoluene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Methylene chloride	<2.27	2.27		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
n-Propylbenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Styrene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1,2,2-Tetrachloroethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1,1,2-Tetrachloroethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Tetrachloroethene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2,4-Trichlorobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2,3-Trichlorobenzene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1,1-Trichloroethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,1,2-Trichloroethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Trichloroethene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Trichlorofluoromethane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
1,2,3-Trichloropropane	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
Vinyl chloride	<0.227	0.227		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
o-Xylene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	
m,p-Xylene	<0.568	0.568		mg/kg dry	08/05/14 22:38	EPA 8260B	wlm	

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 Project Number: [none]
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Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Volatile Organic Compounds by EPA Method 8260B

Surrogate: 4-Bromofluorobenzene	95 %		70-130		08/05/14 22:38	EPA 8260B	wlm	
Surrogate: 1,2-Dichloroethane-d4	98 %		70-130		08/05/14 22:38	EPA 8260B	wlm	
Surrogate: Fluorobenzene	98 %		70-130		08/05/14 22:38	EPA 8260B	wlm	

TCLP Semivolatile Organic Compounds by EPA Method 8270

Pyridine	<100		100	ug/l	08/14/14 12:40	EPA 8270D	RSR	2d, 2o
1,4-Dichlorobenzene	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	2d, 2o
2,4-Dinitrotoluene	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	2o
3 & 4-Methylphenol	<100		100	ug/l	08/14/14 12:40	EPA 8270D	RSR	2d, 2o
Hexachlorobenzene	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	
Hexachlorobutadiene	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	2d, 2o
Hexachloroethane	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	2d, 2o
2-Methylphenol	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	2d, 2o
Nitrobenzene	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	
Pentachlorophenol	<250		250	ug/l	08/14/14 12:40	EPA 8270D	RSR	
2,4,5-Trichlorophenol	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	
2,4,6-Trichlorophenol	<50.0		50.0	ug/l	08/14/14 12:40	EPA 8270D	RSR	2o
Surrogate: 2-Fluorophenol	46.4 %		35-115		08/14/14 12:40	EPA 8270D	RSR	
Surrogate: Phenol-d6	31.8 %		35-115		08/14/14 12:40	EPA 8270D	RSR	2n
Surrogate: Nitrobenzene-d5	104 %		35-115		08/14/14 12:40	EPA 8270D	RSR	

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 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

Client Sample ID: SOIL CLASS-20140728

Date/Time Sampled: 07/28/14 17:20

Laboratory Sample ID: 4G29071-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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TCLP Semivolatile Organic Compounds by EPA Method 8270

Surrogate: 2-Fluorobiphenyl	103 %		40-120		08/14/14 12:40	EPA 8270D	RSR	
Surrogate: 2,4,6-Tribromophenol	78.3 %		40-120		08/14/14 12:40	EPA 8270D	RSR	
Surrogate: Terphenyl-d14	109 %		40-120		08/14/14 12:40	EPA 8270D	RSR	

Conventional Chemistry Parameters by SM/EPA Methods

Oil & Grease	<546		546	mg/kg dry	07/30/14 12:45	SW846 9071B	SR	
% Solids	90.5		0.100	%	07/30/14 15:01	SM20-2540G	arr	

TCLP Extraction by EPA 1311

pH @ 19.6°C	5.21			pH Units	07/31/14 10:30	EPA 1311	bwg	
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Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

Notes

- 2d The LCS spike recovery was outside acceptance limits. Data accepted based on additional batch QC.
- 2e CCV was outside the QC range. Data accepted based on additional batch QC.
- 2n The surrogate value is not within the indicated range, results are considered to be estimated.
- 2o The spike recovery was outside the acceptance limits for the MS and/or MSD. Results should be considered estimated.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/15/14 13:10

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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FAIRWAY LABORATORIES
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Page 1 of 1
COC # 4629071-01

Client Name: <u>GES, Inc.</u>		Address: <u>1350 Blair Dr Suite A</u>		City: <u>Adenton MD 21113</u>		Contact: <u>G. Reicher</u>		Phone #: <u>800 220 3606 x3217</u>		Project Name: <u>NRG-PRGS</u>		Quote/PO #: <u>0402850-See GR</u>	
TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Rush TAT subject to pre-approval and surcharge		Date Required: <u>8/6/14</u>		Sample Description/Location: <u>SA1 Class.</u>		GRAB		Composite		Received on ice? Y N	
Sample Description/Location		Start Date		Start Time		End Date		End Time		GRAB -or- Composite		Reportable to PADEP? Yes <input type="checkbox"/> No <input type="checkbox"/>	
										Matrix		PWSID #	
										Solid		# of Containers	
										Water			
										Other			
												Analyses Requested	
												TPH 8015M DRO	
												Oil & Grease 9071B	
												Full Vocs 8260B	
												PCBs 8082	
												TCLP Metals (8 metals)	
												LAB USE ONLY	
												FedEx USPS	
												UPS Other	
												Tracking #	
												Bottle Type/Comments	
Sampled by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>0930</u>		Received by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>0854</u>		Remarks <u>UNPLD Class for NRG's Sample</u> <u>Project Address: 1400 N. Royal Ave</u> <u>Alexandria VA</u> <u>Email Results to: MD Labs @ gesonline.com</u> <u>EQEEO Name: Lab#, 25800, EQEEO.zip</u> <u>to Email to: ges @ gesonline.com</u>	
Relinquished by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1200</u>		Received by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1800</u>			
Relinquished by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1410</u>		Received by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1510</u>			
Relinquished by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1410</u>		Received by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1510</u>			
Relinquished by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1410</u>		Received by: <u>[Signature]</u>		Date: <u>7/29/14</u>		Time: <u>1510</u>			

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. Write Original - FJI File Canary - FJI Copy Pink - Customer Receipt Copy

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Page 4629071-02 of 1
COC #

Client Name: <u>LES Inc.</u>		Address: <u>1350 Blair Dr. Suit A</u>		Contact: <u>Edna M D 2113</u>		Phone #: <u>800 220 3606 13717</u>		Fax #: <u>910 220 3606 13717</u>		Project Name: <u>NKG-PRG</u>		Quote/PO #: <u>OYCESSC-5808</u>	
TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Rush TAT subject to pre-approval and surcharge		Date Required: <u>8/6/14</u>		GRAB		Composite		Received on ice? <input type="checkbox"/> Y <input type="checkbox"/> N		Sample Temp. _____	
Sample Description/Location		Start Date		Start Time		End Date		End Time		GRAB -01-		Reportable to PADEP? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<u>SO1 Class</u>		<u>X</u>		<u>7/24/14</u>		<u>17:20</u>		<u>X</u>		Matrix		PWSSD # _____	
										Solid		# of Containers	
										Water			
										Other			
										Analyses Requested		LAB USE ONLY	
										<u>TPH 8015M DRO</u>		FedEx	
										<u>Oil & Grease 9071B</u>		USPS	
										<u>Full Vocs 82606</u>		UPS	
										<u>PCBs 8082</u>		Other	
										<u>TCLP Metals (8mb)</u>		Tracking # _____	
												Bottle Type/Comments	
Sampled by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1330</u>		Received by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>854</u>		Remarks	
Relinquished by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1300</u>		Received by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1300</u>		Remarks	
Relinquished by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1300</u>		Received by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1300</u>		Remarks	
Relinquished by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1300</u>		Received by: <u>[Signature]</u>		Date: <u>7/24/14</u>		Time: <u>1300</u>		Remarks	

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Chain of Custody Receiving Document

Receiver: AL Page of

Date/Time of this check: 7.24.14 16:25 Client: GES Lab # 48-29071-03

Received on ICE? Y * Sample Temperature when delivered to the Lab: 10 Acceptable? Y * or In cool down process? *

Custody Seals? Y Intact? Y

COC/Labels on bottles agree? Y * Correct containers for all the analysis requested? Y * Matrix: Soil

COC #	Number and Type of BOTTLES							Comments			
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)		Other	Property Preserved	Bacti
1								<input type="checkbox"/> *	<input type="checkbox"/> *		

* DEVIATION PRESENT:

No Ice ()

Not at Proper Temperature ()

Wrong Container ()

Missing Information: ()

CLIENT CALLED: YES ()

By Whom: _____

Date: _____

CLIENT RESPONSE:

Proceed with analysis; quality data ()

Will Resample ()

Provided Information ()

No Response; Proceed and qualified ()

Client Contact: _____

Date: _____

* Comments: _____



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 PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/07/14 10:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-10 19.25'-19.75'-20140725	4G29072-01	Solid	Grab	07/25/14 11:50	07/29/14 15:10
B-10 23.5'-24.0'-20140725	4G29072-02	Solid	Grab	07/25/14 11:55	07/29/14 15:10
B-1 16.0'-16.5'-20140728	4G29072-03	Solid	Grab	07/28/14 14:30	07/29/14 15:10
B-1 23.0'-23.5'-20140728	4G29072-04	Solid	Grab	07/28/14 14:35	07/29/14 15:10

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/07/14 10:59

Client Sample ID: B-10 19.25'-19.75'-20140725

Date/Time Sampled: 07/25/14 11:50

Laboratory Sample ID: 4G29072-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	114.4		26.19	mg/kg dry	07/31/14 01:51	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		85.3 %		40-140	07/31/14 01:51	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	94.7		0.100	%	07/30/14 15:01	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/07/14 10:59

Client Sample ID: B-10 23.5'-24.0'-20140725

Date/Time Sampled: 07/25/14 11:55

Laboratory Sample ID: 4G29072-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	3748		587.7	mg/kg dry	08/04/14 16:59	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		123 %	40-140		08/04/14 16:59	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	84.9		0.100	%	07/30/14 15:01	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/07/14 10:59

Client Sample ID: B-1 16.0'-16.5'-20140728

Date/Time Sampled: 07/28/14 14:30

Laboratory Sample ID: 4G29072-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	266.5		29.19	mg/kg dry	08/01/14 22:39	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		115 %	40-140		08/01/14 22:39	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.6		0.100	%	07/30/14 15:01	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/07/14 10:59

Client Sample ID: B-1 23.0'-23.5'-20140728

Date/Time Sampled: 07/28/14 14:35

Laboratory Sample ID: 4G29072-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	4079		538.2	mg/kg dry	08/04/14 17:42	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		134 %	40-140		08/04/14 17:42	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	92.9		0.100	%	07/30/14 15:01	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG-PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/07/14 10:59

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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FAIRWAY LABORATORIES
Environmental Laboratory

89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380

4629092-01
COC #
Page ____ of ____

Client Name: <u>GES, Inc</u>		Address: <u>1350 Blair Drive Suite A Odenon MD 21113</u>		Received on ice? <input checked="" type="checkbox"/> N		Reportable to PADEP? <input type="checkbox"/> Yes		PWSID #		Analyses Requested		LAB USE ONLY FedEx USPS UPS Other	
Contact: <u>G. Reichart</u>		Phone #: <u>800-220-3606x3717</u>		Sample Temp: <u>32</u>		Matrix		TPH-D20		Tracking #		Bottle Type/Comments	
Part #: <u>greichart@gesonline.com</u>		Project Name: <u>NRG-PRGS</u>		GRAB Composite		GRAB Composite -01-		Solid		Water		Other	
Quote/PO #: <u>0402859</u>		TAT: Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Date Required: ___/___/___		Start Date		End Date		# of Containers			
Rush TAT subject to pre-approval and surcharge		Date Required: ___/___/___		GRAB Composite		Composite Start		Composite End					
Sample Description/Location		Date		Time		Received by:		Date		Time		Remarks	
B-10 19.25' - 19.75'		7/24/14		0830		Dennis Woodring		7-29-14		854		Project Address: 1400 N. Royal Ave Alexandria, VA	
B-10 23.5' - 24.5'		7/24/14		1200		Dennis Woodring		7-29-14		1200		email results to: MD labs @ gesonline.com	
B-1 16.0' - 16.5'		7/24/14		1430		Dennis Woodring		7-29-14		1430		EQEDD Name: Lab#, 25800, EQEDD, zip	
B-1 23.0' - 23.5'		7/24/14		1510		Dennis Woodring		7-29-14		1510		EQEDD: Ges @ Gesonline.com	
Relinquished by: <u>[Signature]</u>		Date		Time		Received by: <u>[Signature]</u>		Date		Time			
Relinquished by: <u>[Signature]</u>		Date		Time		Received by: <u>[Signature]</u>		Date		Time			

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Chain of Custody Receiving Document

Receiver: AK

Page of

Date/Time of this check: 7/29/14 16:25 Client: CEIS Lab # 4629012-02

Received on ICE? * Sample Temperature when delivered to the Lab: 1.0 Acceptable? * or In cool down process? *

Custody Seals? Y Intact? Y

COCLabels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Soil

COC #	Number and Type of BOTTLES							Bacti	Comments		
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)			Other	Properly Preserved
1								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
2								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
3								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
4								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		
								<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *		

<p>* DEVIATION PRESENT:</p> <p><input checked="" type="checkbox"/> No Ice ()</p> <p><input checked="" type="checkbox"/> Not at Proper Temperature ()</p> <p><input checked="" type="checkbox"/> Wrong Container ()</p> <p><input checked="" type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES ()</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; quality data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
--	--	--

* Comments: _____



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 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 2

Reported:
 08/13/14 12:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-5 10.5'-19.0'-20140801	4H04036-01	Solid	Grab	08/01/14 12:18	08/04/14 14:20
B-5 23.5'-24.0'-20140801	4H04036-02	Solid	Grab	08/01/14 12:30	08/04/14 14:20

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 2

Reported:
 08/13/14 12:22

Client Sample ID: B-5 10.5'-19.0'-20140801

Date/Time Sampled: 08/01/14 12:18

Laboratory Sample ID: 4H04036-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<28.02		28.02	mg/kg dry	08/08/14 14:01	EPA 8015D mod	rsr	2b
Surrogate: o-Terphenyl		103 %		40-140	08/08/14 14:01	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	89.0		0.100	%	08/05/14 15:19	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 2

Reported:
 08/13/14 12:22

Client Sample ID: B-5 23.5'-24.0'-20140801

Date/Time Sampled: 08/01/14 12:30

Laboratory Sample ID: 4H04036-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
Diesel Range Organics by EPA 8015								
Diesel Range Organics	2025		1492	mg/kg dry	08/08/14 21:15	EPA 8015D mod	rsr	AA
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.5		0.100	%	08/05/14 15:19	SM20-2540G	arr	

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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 2

Reported:
 08/13/14 12:22

Notes

- 2b The spike recovery was outside acceptance limits for the MS and/or MSD. Data accepted based on acceptable LCS recovery.
- AA Due to the dilution required by the concentration of the target analyte, the surrogate is not recoverable for this sample.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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Phone: (570) 494-6380

4110403601
COC #
Page 1 of 1

Client Name: GE3
Address: 1350 Bear Dove
Altoona MD 21113
Contact: Gregory Riccardi
Phone #: 800-720-3606 x 3717
Fax #: _____
Project Name: PRGS
Quote/PO #: _____

Received on ice? Y N
Reportable to PADEP? Yes No
Sample Temp: _____
PWSID # _____

Matrix: _____
Solid _____
Water _____
Other _____
of Containers: 1

Analyses Requested: _____
LAB USE ONLY
FedEx USPS
UPS Other
Tracking # _____

TAT: Normal Rush
Rush TAT subject to pre-approval and surcharge
Date Required: / /
GRAB Composite

Sample Description/Location

1	B-5	10.5' - 14.0'	X	8-1-14	12:18	8-1-14	12:30	1	X	TPH-DRO (805B)										
2	B-5	23.5' - 24.0'	X																	

Sampled by:	Date	Time	Received by:	Date	Time	Received by:	Date	Time	Remarks
<u>Gregory Riccardi</u>	8-1-14	17:30	<u>Denise Woodring</u>	8-4-14	10:09	<u>Jude Stead</u>	8-14-14	14:30	Pay Address: 1400 N Royal St Alexandria VA Send results to mlabs@epaonline.com and give equisonline.com
<u>Denise Woodring</u>	8-1-14	11:15	<u>Denise Woodring</u>	8-14-14	11:45				
<u>Denise Woodring</u>	8-14-14	14:30	<u>Jude Stead</u>	8-14-14	14:30				

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.
White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: SNB

Page of

Date/Time of this check: 8/14/14 11:48 client: GES

Lab # 4140403602

Received on ICE? * Sample Temperature when delivered to the Lab: 2 Acceptable? * or In cool down process? *

Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Soil

COC #	Number and Type of BOTTLES							Comments	
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)		
1							Other <input checked="" type="checkbox"/> * <u>4 oz jar</u>	Property Preserved <input type="checkbox"/> * <u>N/A</u>	Bacti
2									

*** DEVIATION PRESENT:**

No Ice ()
 Not at Proper Temperature ()
 Wrong Container ()
 Missing Information: ()

CLIENT CALLED: YES ()

By Whom: _____ Date: _____

CLIENT RESPONSE:

Proceed with analysis; quality data ()
 Will Resample ()
 Provided Information ()
 No Response; Proceed and qualified ()

Client Contact: _____ Date: _____

* Comments: _____



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 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-14 (28.75'-29')-20140729	4H04041-01	Solid	Grab	07/29/14 10:15	08/04/14 14:20
B-14 (32'-32.5')-20140729	4H04041-02	Solid	Grab	07/29/14 10:25	08/04/14 14:20
B-26R (26.5'-26.75')-20140730	4H04041-03	Solid	Grab	07/30/14 11:05	08/04/14 14:20
B-26R (32'-33')-20140730	4H04041-04	Solid	Grab	07/30/14 11:15	08/04/14 14:20
B-15 (24.3'-24.6')-20140731	4H04041-05	Solid	Grab	07/31/14 08:25	08/04/14 14:20

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

Client Sample ID: B-14 (28.75'-29')-20140729

Date/Time Sampled: 07/29/14 10:15

Laboratory Sample ID: 4H04041-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
Diesel Range Organics by EPA 8015								
Diesel Range Organics	2696		1488	mg/kg dry	08/08/14 21:58	EPA 8015D mod	rsr	AA
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.6		0.100	%	08/05/14 15:19	SM20-2540G	arr	

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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

Client Sample ID: B-14 (32'-32.5')-20140729

Date/Time Sampled: 07/29/14 10:25

Laboratory Sample ID: 4H04041-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.52		30.52	mg/kg dry	08/08/14 17:39	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		89.8 %		40-140	08/08/14 17:39	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	81.9		0.100	%	08/05/14 15:19	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

Client Sample ID: B-26R (26.5'-26.75')-20140730

Date/Time Sampled: 07/30/14 11:05

Laboratory Sample ID: 4H04041-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	2426		545.1	mg/kg dry	08/11/14 11:49	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		133 %	40-140		08/11/14 11:49	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	90.8		0.100	%	08/05/14 15:19	SM20-2540G	arr	
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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

Client Sample ID: B-26R (32'-33')-20140730

Date/Time Sampled: 07/30/14 11:15

Laboratory Sample ID: 4H04041-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.76		29.76	mg/kg dry	08/08/14 19:05	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		72.3 %		40-140	08/08/14 19:05	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	83.9		0.100	%	08/05/14 15:19	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

Client Sample ID: B-15 (24.3'-24.6')-20140731

Date/Time Sampled: 07/31/14 08:25

Laboratory Sample ID: 4H04041-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

AA

Diesel Range Organics	7849		1369	mg/kg dry	08/11/14 14:23	EPA 8015D mod	rsr	
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Conventional Chemistry Parameters by SM/EPA Methods

% Solids	91.1		0.100	%	08/05/14 15:19	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 5

Reported:
 08/13/14 12:32

Notes

AA Due to the dilution required by the concentration of the target analyte, the surrogate is not recoverable for this sample.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

* P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.

< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

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FAIRWAY LABORATORIES
Environmental Laboratory

89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380

440404101

Page 1 of 1

Client Name: GE8
Address: 1350 Blair Drive
Adenton MD 21113
Contact: Gregory Reichart
Phone #: 800-222-3600 x3717
Fax #: _____
Project Name: PRGS
Quote/PO #: _____

TAT: Normal Rush
Rush TAT subject to pre-approval and surcharge
Date Required: 1/1

Sample Description/Location	GRAB	Composite	Received on ice? Y N	Sample Temp:	Reportable to PADEP? Yes <input type="checkbox"/>	PWSID #	GRAB -or- Composite End			Solid	Water	Other	# of Containers	TPH-D20 (8015B)	Analyses Requested	LAB USE ONLY FedEx USPS UPS Other	Tracking #	Bottle Type/Comments
							Start Date	Start Time	End Date									
B-14 (28.75' - 29')	✓						7/29/14	1015	✓			1	✓					
B-14 (32' - 32.5')	✓						7/29/14	1025	✓			1	✓					
B-26R (26.25' - 26.75')	✓						7/30/14	1105	✓			1	✓					
B-26R (32' - 33')	✓						7/30/14	1115	✓			1	✓					
B-15 (24.3' - 24.6')	✓						7/31/14	0825	✓			1	✓					

Sampled by: Paul Rivo Date: 7/31/14 Time: 0825
Received by: Denise Woodring Date: 8-1-14 Time: 0855
Remarks: Pin Address: 1405 N Royal St
Alexandria, VA
Send results to mclabs@equonline.com
and email to gcs@equonline.com.
EDD name: LAB# 25800 EBD 21P.

Relinquished by: Denise Woodring Date: 8-4-14 Time: 11:15
Received by: Paul Rivo Date: 8-4-14 Time: 11:15

Relinquished by: [Signature] Date: 8-4-14 Time: 1700
Received by: [Signature] Date: 8-4-14 Time: 1430

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Chain of Custody Receiving Document

Receiver: JNS

Page of

Date/Time of this check: 8/14/14 14:38 Client: GES

Lab # 4404041-02

Received on ICE? * Sample Temperature when delivered to the Lab: 2 Acceptable? * or In cool down process? *

Custody Seals? Y Intact? Y

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Soil

COC #	Number and Type of BOTTLES						Comments				
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH		VOCS (Head space?)	Other <u>1oz jar</u>	Properly Preserved	Bacti
1								<input type="checkbox"/> *			
↓								<input type="checkbox"/> *			
S											

<p>* DEVIATION PRESENT:</p> <p><input type="checkbox"/> No Ice ()</p> <p><input type="checkbox"/> Not at Proper Temperature ()</p> <p><input type="checkbox"/> Wrong Container ()</p> <p><input type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES () E-MAIL <u>GES</u></p> <p>By Whom: <u>CHDY</u> Date: <u>8/5</u></p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; quality data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified (X)</p> <p>Client Contact: <u> </u> Date: <u>8/7</u></p>
---	---	--

* Comments: Sample labeled B-26R (26.25' - 26.75') has a time of 11:15 COC reads 11:05 Sample labeled B-26R (38' - 33') has a time of 11:05 on bottle COC reads 11:15



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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-25S (24.5'-25')-20140804	4H08110-01	Solid	Grab	08/04/14 14:25	08/08/14 17:15
B-33 (26.5'-27.5')-20140805	4H08110-02	Solid	Grab	08/05/14 14:40	08/08/14 17:15
B-51S (22'-22.75')-20140806	4H08110-03	Solid	Grab	08/06/14 08:20	08/08/14 17:15
B-72 (23'-23.5')-20140806	4H08110-04	Solid	Grab	08/06/14 14:20	08/08/14 17:15
B-30 (19'-20')-20140807	4H08110-05	Solid	Grab	08/07/14 10:30	08/08/14 17:15
B-102 (28'-29')-20140807	4H08110-06	Solid	Grab	08/07/14 14:40	08/08/14 17:15

4H08110-1, -03 Sample ID revised per client. This report replaces report issued on 08/18/14 13:43. 08/18/14smc

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Client Sample ID: B-25S (24.5'-25')-20140804

Date/Time Sampled: 08/04/14 14:25

Laboratory Sample ID: 4H08110-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	6899		1371	mg/kg dry	08/13/14 17:13	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>	85.6 %		40-140		08/13/14 17:13	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	91.0		0.100	%	08/11/14 15:20	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Client Sample ID: B-33 (26.5'-27.5')-20140805

Date/Time Sampled: 08/05/14 14:40

Laboratory Sample ID: 4H08110-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.86		29.86	mg/kg dry	08/13/14 16:30	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	61.3 %		40-140		08/13/14 16:30	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	83.4		0.100	%	08/11/14 15:20	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Client Sample ID: B-51S (22'-22.75')-20140806

Date/Time Sampled: 08/06/14 08:20

Laboratory Sample ID: 4H08110-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	3612		541.7	mg/kg dry	08/14/14 19:30	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		112 %	40-140		08/14/14 19:30	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	92.1		0.100	%	08/11/14 15:20	SM20-2540G	arr	
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Client Sample ID: B-72 (23'-23.5')-20140806

Date/Time Sampled: 08/06/14 14:20

Laboratory Sample ID: 4H08110-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	2389		540.9	mg/kg dry	08/14/14 20:14	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		127 %	40-140		08/14/14 20:14	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	92.2		0.100	%	08/11/14 15:20	SM20-2540G	arr	
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Fairway Laboratories, Inc.

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 (570) 494-6380
 PaDEP: PA 41-04684



State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Client Sample ID: B-30 (19'-20')-20140807

Date/Time Sampled: 08/07/14 10:30

Laboratory Sample ID: 4H08110-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<27.97	27.97		mg/kg dry	08/13/14 21:34	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	74.1 %	40-140			08/13/14 21:34	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	89.2	0.100		%	08/11/14 15:20	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Client Sample ID: B-102 (28'-29')-20140807

Date/Time Sampled: 08/07/14 14:40

Laboratory Sample ID: 4H08110-06 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.50		30.50	mg/kg dry	08/13/14 22:17	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		70.0 %		40-140	08/13/14 22:17	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	81.8		0.100	%	08/11/14 15:20	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: DR
 Number of Containers: 6

Reported:
 08/18/14 14:53

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

2019 9th Ave.
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FAIRWAY LABORATORIES
Environmental Laboratory

89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380

4408110-01
COC #
Page 1 of 1

Client Name: <u>GES</u>		Address: <u>1350 Blair Drive</u>		Received on ice? <u>Y</u> <u>N</u>		Reportable to PADERP? <u>Yes</u> <u>No</u>		PW/SID #		Analyses Requested		LAB USE ONLY FedEx USPS UPS Other	
Contact: <u>Gregory Richard</u>		Phone #: <u>800-720-3666 ext 3717</u>		Sample Temp:		Matrix		Tracking #		TPH - DRO (8015B)			
Project Name: <u>DRGS</u>		Quote/PO #: <u>0402859</u>		GRAB Composite		GRAB Composite -or- Composite End		Solid Water Other		Bottle Type/Comments			
TAT: Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/> See below		Rush TAT subject to pre-approval and surcharge		Date Required: <u>08/18/14</u>		Start Date		Start Time		End Date		End Time	
Sample Description/Location		GRAB		Composite		Composite Start		Composite End		# of Containers			
<u>B-259 (24.5'-25')</u>						<u>8-4-14</u>		<u>1425</u>		<u>8-4-14</u>		<u>1425</u>	
<u>B-33 (21.5'-27.5')</u>						<u>8-5-14</u>		<u>1440</u>		<u>8-5-14</u>		<u>1440</u>	
<u>B-518 (22'-22.75')</u>						<u>8-6-14</u>		<u>0820</u>		<u>8-6-14</u>		<u>0820</u>	
<u>B-72 (20')</u>						<u>8-6-14</u>		<u>1420</u>		<u>8-6-14</u>		<u>1420</u>	
<u>B-72 (23'-23.5')</u>						<u>8-7-14</u>		<u>1030</u>		<u>8-7-14</u>		<u>1030</u>	
<u>B-30 (19'-20')</u>						<u>8-7-14</u>		<u>1440</u>		<u>8-7-14</u>		<u>1440</u>	
<u>B-102 (28'-29')</u>													
Sampled by: <u>Dan Rivo</u>		Date: <u>8-7-14</u>		Time: <u>1440</u>		Received by: <u>Denise Wodzin</u>		Date: <u>8-8-14</u>		Time: <u>0800</u>		Remarks: <u>Doi Address: 1405 N Park St</u>	
Relinquished by: <u>Denise Wodzin</u>		Date: <u>8-8-14</u>		Time: <u>1335</u>		Received by: <u>[Signature]</u>		Date: <u>8/8/14</u>		Time: <u>1335</u>		Remarks: <u>and results to rd@esg.com and gas@esg.com</u>	
Relinquished by: <u>[Signature]</u>		Date: <u>8/8/14</u>		Time: <u>1715</u>		Received by: <u>[Signature]</u>		Date: <u>8/8/14</u>		Time: <u>1715</u>		Remarks: <u>PHS</u>	

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy



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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 4

Reported:
 08/22/14 15:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-100 (24')-20140811	4H15101-01	Solid	Grab	08/11/14 16:30	08/15/14 17:00
B-70D (32')-20140811	4H15101-02	Solid	Grab	08/11/14 18:00	08/15/14 17:00
B-112 (12'-12.5')-20140811	4H15101-03	Solid	Grab	08/11/14 14:50	08/15/14 17:00
B-112 (16'-16.5')-20140811	4H15101-04	Solid	Grab	08/11/14 15:00	08/15/14 17:00

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 4

Reported:
 08/22/14 15:02

Client Sample ID: B-100 (24')-20140811

Date/Time Sampled: 08/11/14 16:30

Laboratory Sample ID: 4H15101-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<28.33		28.33	mg/kg dry	08/20/14 13:15	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	98.9 %		40-140		08/20/14 13:15	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	88.2		0.100	%	08/18/14 14:55	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 4

Reported:
 08/22/14 15:02

Client Sample ID: B-70D (32')-20140811

Date/Time Sampled: 08/11/14 18:00

Laboratory Sample ID: 4H15101-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.08		30.08	mg/kg dry	08/20/14 14:01	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		71.0 %		40-140	08/20/14 14:01	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.8		0.100	%	08/18/14 14:55	SM20-2540G	arr	
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 4

Reported:
 08/22/14 15:02

Client Sample ID: B-112 (12'-12.5')-20140811

Date/Time Sampled: 08/11/14 14:50

Laboratory Sample ID: 4H15101-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	1162		264.7	mg/kg dry	08/20/14 20:31	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		118 %	40-140		08/20/14 20:31	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	94.4		0.100	%	08/18/14 14:55	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 4

Reported:
 08/22/14 15:02

Client Sample ID: B-112 (16'-16.5')-20140811

Date/Time Sampled: 08/11/14 15:00

Laboratory Sample ID: 4H15101-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	686.4		145.1	mg/kg dry	08/20/14 21:14	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>	98.9 %		40-140		08/20/14 21:14	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	85.9		0.100	%	08/18/14 14:55	SM20-2540G	arr	
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GES Maryland
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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: [none]
 Collector: DR
 Number of Containers: 4

Reported:
 08/22/14 15:02

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.



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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/26/14 15:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-111 (9'-10')-20140813	4H18049-01	Solid	Grab	08/13/14 08:50	08/18/14 16:00
B-16 (32')-20140813	4H18049-02	Solid	Grab	08/13/14 16:30	08/18/14 16:00
B-16 (23')-20140813	4H18049-03	Solid	Grab	08/13/14 16:20	08/18/14 16:00
B-52 (32')-20140813	4H18049-04	Solid	Grab	08/13/14 15:15	08/18/14 16:00

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/26/14 15:29

Client Sample ID: B-111 (9'-10')-20140813

Date/Time Sampled: 08/13/14 08:50

Laboratory Sample ID: 4H18049-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<26.53		26.53	mg/kg dry	08/20/14 08:45	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		70.9 %		40-140	08/20/14 08:45	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	93.3		0.100	%	08/19/14 14:45	SM20-2540G	arr	
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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/26/14 15:29

Client Sample ID: B-16 (32')-20140813

Date/Time Sampled: 08/13/14 16:30

Laboratory Sample ID: 4H18049-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.19		30.19	mg/kg dry	08/20/14 09:30	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	69.0 %		40-140		08/20/14 09:30	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.5		0.100	%	08/19/14 14:45	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/26/14 15:29

Client Sample ID: B-16 (23')-20140813

Date/Time Sampled: 08/13/14 16:20

Laboratory Sample ID: 4H18049-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.18		30.18	mg/kg dry	08/21/14 00:08	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		103 %		40-140	08/21/14 00:08	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.8		0.100	%	08/19/14 14:45	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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GES Maryland
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 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/26/14 15:29

Client Sample ID: B-52 (32')-20140813

Date/Time Sampled: 08/13/14 15:15

Laboratory Sample ID: 4H18049-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	<30.97		30.97	mg/kg dry	08/25/14 21:49	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		67.0 %		40-140	08/25/14 21:49	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	80.7		0.100	%	08/19/14 14:45	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

Fairway Laboratories, Inc.

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 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859
 Collector: CLIENT
 Number of Containers: 4

Reported:
 08/26/14 15:29

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

Please print. See back of COC for instructions/terms and conditions.

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791



89 Kristi Rd
Pennsdale, PA 17756
Phone: (570) 494-6380

#1
4418049
COC #
Page 1 of 2

Client Name: <u>GES</u>		Address: <u>1350 Blair Dr.</u>		Received on ice? <input type="checkbox"/> Y <input type="checkbox"/> N		Reportable to PADEP? <input type="checkbox"/> Yes <input type="checkbox"/> No		PW/SID # _____			
Contact: <u>Gregory Reichert</u>		Phone #: <u>800-230-3406 X371</u>		Sample Temp: _____		Matrix		Analyses Requested			
Project Name: <u>PRGS</u>		Quote/PO #: <u>0402857</u>		TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Composite -or- GRAB		TPH-DRO (8015B)			
Rush TAT subject to pre-approval and surcharge		Date Required: <u>8/22/14</u>		GRAB		Composite		Tracking # _____			
Sample Description/Location	GRAB	Composite	Start Date	Start Time	End Date	End Time	Solid	Water	Other	# of Containers	Bottle Type/Comments
B-111 (9'-10')	X		8-13-14	0830			✓			1	
B-116 (32')	X		8-13-14	1630			✓			1	
B-116 (23')	X		8-13-14	1630			✓			1	
B-52 (33')	X		8-3-14	1515			✓			1	
Sampled by: _____ Date: <u>8/14/14</u> Time: <u>1600</u> Received by: <u>Dennis Weeding</u> Date: <u>8-18-14</u> Time: <u>0800</u> Relinquished by: _____ Date: <u>8/18/14</u> Time: <u>1220</u> Received by: _____ Date: <u>8/18/14</u> Time: <u>1220</u> Relinquished by: _____ Date: <u>8/18/14</u> Time: <u>1600</u> Received by: _____ Date: <u>8/18/14</u> Time: <u>1600</u>											
Remarks											

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Page 2 of 2

#2

Receiver: [Signature]

Date/Time of this check: 8/18/14 11:28 Client: CEIS Lab # 4418049

Received on ICE? * Sample Temperature when delivered to the Lab: 28 Acceptable? * or In cool down process? *

Custody Seals? 4 Intact? 4

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Solids

COC #	Number and Type of BOTTLES						Comments				
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH		VOCS (Head space?)	Other <input type="checkbox"/> *	Properly Preserved <input type="checkbox"/> *	Bacti
1								<input checked="" type="checkbox"/> *			
2								<input checked="" type="checkbox"/> *			
3								<input checked="" type="checkbox"/> *			
4								<input checked="" type="checkbox"/> *			

<p>* DEVIATION PRESENT:</p> <p><input checked="" type="checkbox"/> No Ice ()</p> <p><input checked="" type="checkbox"/> Not at Proper Temperature ()</p> <p><input checked="" type="checkbox"/> Wrong Container ()</p> <p><input checked="" type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES ()</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; qualify data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
--	--	--

* Comments: _____



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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-109S-20140821	4H22077-01	Water	Grab	08/21/14 13:50	08/22/14 14:15
MW-109D-20140821	4H22077-02	Water	Grab	08/21/14 13:55	08/22/14 14:15
MW-111D-20140821	4H22077-03	Water	Grab	08/21/14 14:47	08/22/14 14:15
MW-113D-20140821	4H22077-04	Water	Grab	08/21/14 14:25	08/22/14 14:15
MW-114D 16.5-17'-20140821	4H22077-05	Solid	Grab	08/21/14 10:43	08/22/14 14:15
MW-114D 12-12.5'-20140821	4H22077-06	Solid	Grab	08/21/14 10:37	08/22/14 14:15

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Client Sample ID: MW-109S-20140821

Date/Time Sampled: 08/21/14 13:50

Laboratory Sample ID: 4H22077-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	7500		1540	ug/l	08/29/14 07:57	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		130 %	40-140		08/29/14 07:57	EPA 8015D mod	rsr	

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Client Sample ID: MW-109D-20140821

Date/Time Sampled: 08/21/14 13:55

Laboratory Sample ID: 4H22077-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	<600		600	ug/l	08/29/14 08:39	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	71.6 %		40-140		08/29/14 08:39	EPA 8015D mod	rsr	

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Client Sample ID: MW-111D-20140821

Date/Time Sampled: 08/21/14 14:47

Laboratory Sample ID: 4H22077-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<600		600	ug/l	08/29/14 09:22	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	50.1 %		40-140		08/29/14 09:22	EPA 8015D mod	rsr	

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Client Sample ID: MW-113D-20140821

Date/Time Sampled: 08/21/14 14:25

Laboratory Sample ID: 4H22077-04 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<600		600	ug/l	08/29/14 10:06	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	86.8 %		40-140		08/29/14 10:06	EPA 8015D mod	rsr	

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Client Sample ID: MW-114D 16.5-17'-20140821

Date/Time Sampled: 08/21/14 10:43

Laboratory Sample ID: 4H22077-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	328.7		139.8	mg/kg dry	08/27/14 12:06	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		72.6 %		40-140	08/27/14 12:06	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	89.2		0.100	%	08/25/14 15:25	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Client Sample ID: MW-114D 12-12.5'-20140821

Date/Time Sampled: 08/21/14 10:37

Laboratory Sample ID: 4H22077-06 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<27.07		27.07	mg/kg dry	08/26/14 21:40	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		78.6 %		40-140	08/26/14 21:40	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	91.3		0.100	%	08/25/14 15:25	SM20-2540G	arr	
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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 6

Reported:
 09/02/14 17:19

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

Chain of Custody Receiving Document

Receiver: MS

Page 2 of 2

#2

Date/Time of this check: 8/22/14 14:33 Client: GES

Lab # 442209A

Received on ICE? * Sample Temperature when delivered to the Lab: 04 Acceptable? * or In cool down process? *

Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: water / solid

COC #	Number and Type of BOTTLES							Comments	
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)		
1				1			Other 40% jar	Property Preserved <input type="checkbox"/> *	
1				1				<input type="checkbox"/> *	
5							1		NA
6									NA

<p>* DEVIATION PRESENT:</p> <p><input checked="" type="checkbox"/> No Ice ()</p> <p><input checked="" type="checkbox"/> Not at Proper Temperature ()</p> <p><input checked="" type="checkbox"/> Wrong Container ()</p> <p><input checked="" type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES ()</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; quality data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
--	--	--

* Comments: _____



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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859-03-873
 Collector: DR
 Number of Containers: 2

Reported:
 09/02/14 17:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
B-111D 16-16.5-20140818	4H22078-01	Solid	Grab	08/18/14 10:00	08/22/14 14:15
B-113 14'-15'-20140818	4H22078-02	Solid	Grab	08/18/14 16:50	08/22/14 14:15

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859-03-873
 Collector: DR
 Number of Containers: 2

Reported:
 09/02/14 17:26

Client Sample ID: B-111D 16-16.5-20140818

Date/Time Sampled: 08/18/14 10:00

Laboratory Sample ID: 4H22078-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	3286		575.3	mg/kg dry	08/27/14 14:20	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		138 %	40-140		08/27/14 14:20	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	86.3		0.100	%	08/25/14 14:57	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859-03-873
 Collector: DR
 Number of Containers: 2

Reported:
 09/02/14 17:26

Client Sample ID: B-113 14'-15'-20140818

Date/Time Sampled: 08/18/14 16:50

Laboratory Sample ID: 4H22078-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	<27.90	27.90		mg/kg dry	08/26/14 23:06	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl	73.4 %	40-140			08/26/14 23:06	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	88.5	0.100		%	08/25/14 14:57	SM20-2540G	arr	
----------	------	-------	--	---	----------------	------------	-----	--

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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: PRGS
 Project Number: 0402859-03-873
 Collector: DR
 Number of Containers: 2

Reported:
 09/02/14 17:26

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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89 Kristi Rd
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Phone: (570) 494-6380

1
4422098
COC #
Page 1 of 12

Client Name: AFB
Address: 1350 Bear Drive
Durbin MD 21113
Contact: Gregory Richard
Phone #: 800-228-3606 x3717
Fax #: _____
Project Name: PRGS
Quote/PO #: 0402859-03-073

TAT: Normal Rush
Rush TAT subject to pre-approval and surcharge.
Date Required: 8/29/14

Sample Description/Location

Sample Description/Location	GRAB	Composite	Received on ice? Y N		Sample Temp:	PW/SID #	Reportable to PADEP? Yes <input type="checkbox"/>	Matrix	Solid	Water	Other	# of Containers	Analyses Requested	LAB USE ONLY FedEx USPS UPS Other	Tracking #
			Composite Start	Composite End											
B-111D (116-1165)	✓											1	TPH-DRO (80153)		
B-113 (141-151)	✓											1			

Sampled by:	Date	Time	Received by:	Date	Time	Remarks
<u>Samuel Rice</u>	<u>8-18-14</u>	<u>11:00</u>	<u>Russel Woodring</u>	<u>8-20-14</u>	<u>15:18</u>	<u>PO# Address: 1400 N Royal St. Alexandria VA</u>
<u>Relinquished by:</u>	<u>Date</u>	<u>Time</u>	<u>Received by:</u>	<u>Date</u>	<u>Time</u>	<u>Send results to mlr@egonlin.com</u>
<u>Russel Woodring</u>	<u>8-22-14</u>	<u>10:50</u>	<u>Russel Woodring</u>	<u>8-22-14</u>	<u>10:50</u>	<u>and get @ egonlin.com</u>
<u>Relinquished by:</u>	<u>Date</u>	<u>Time</u>	<u>Received by:</u>	<u>Date</u>	<u>Time</u>	<u>EQ EDD File Name: NRG-PRGS-Lab Report</u>
<u>Russel Woodring</u>	<u>8/29/14</u>	<u>14:15</u>	<u>Russel Woodring</u>	<u>8/29/14</u>	<u>14:15</u>	<u>Number: 35800 - EQ EDD.zip</u>

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. White Original - FJI File Canary - FJI Copy Pink - Customer Receipt Copy



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 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers:

Reported:
 09/02/14 17:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-109D 23-23.5'-20140819	4H22079-01	Solid	Grab	08/19/14 12:10	08/22/14 14:15
MW-109D 17-17.5'-20140819	4H22079-02	Solid	Grab	08/19/14 11:58	08/22/14 14:15
MW-109D 12.5-13'-20140819	4H22079-03	Solid	Grab	08/19/14 11:49	08/22/14 14:15

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers:

Reported:
 09/02/14 17:22

Client Sample ID: MW-109D 23-23.5'-20140819

Date/Time Sampled: 08/19/14 12:10

Laboratory Sample ID: 4H22079-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<29.70		29.70	mg/kg dry	08/26/14 23:49	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		75.4 %		40-140	08/26/14 23:49	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.8		0.100	%	08/25/14 14:57	SM20-2540G	arr	
----------	------	--	-------	---	----------------	------------	-----	--

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers:

Reported:
 09/02/14 17:22

Client Sample ID: MW-109D 17-17.5'-20140819

Date/Time Sampled: 08/19/14 11:58

Laboratory Sample ID: 4H22079-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	430.0		149.7	mg/kg dry	08/27/14 12:50	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		78.6 %		40-140	08/27/14 12:50	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.8		0.100	%	08/25/14 14:57	SM20-2540G	arr	
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 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers:

Reported:
 09/02/14 17:22

Client Sample ID: MW-109D 12.5-13'-20140819

Date/Time Sampled: 08/19/14 11:49

Laboratory Sample ID: 4H22079-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	<27.31		27.31	mg/kg dry	08/27/14 02:41	EPA 8015D mod	rsr	
Surrogate: o-Terphenyl		158 %		40-140	08/27/14 02:41	EPA 8015D mod	rsr	2n

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	90.4		0.100	%	08/25/14 14:57	SM20-2540G	arr	
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 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers:

Reported:
 09/02/14 17:22

Notes

2n The surrogate value is not within the indicated range, results are considered to be estimated.

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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< Represents "less than" - indicates that the result was less than the reporting limit.

MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.

RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

[CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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FAIRWAY LABORATORIES
Environmental Laboratory

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Pennsdale, PA 17756
Phone: (570) 494-6380

#1
4422079
COC # 2
Page 1 of 1

Client Name: <u>LES</u>		Address: <u>135D Blair Drive Suite A</u>		Dutton MD 21113		Contact: <u>Greg Reibert</u>		Phone #: <u>800 220 3606 x3717</u>		Fax #: <u>866 902 2187</u>		Project Name: <u>NR6</u>		Quote/PO #: <u>0402859-03-873</u>	
TAT: Normal <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Rush TAT subject to pre-approval and surcharge		Date Required: <u>8/29/14</u>		GRAB		Composite							
Sample Description/Location		Start Date		Start Time		End Date		End Time		Solid		Water		Other	
1 MW-109D 23-23.5'						8/19/14		1210		X					
2 MW-109D 17-17.5'						↓		1158		X					
3 MW-109D 12.5-13'								1149		X					
Sampled by: <u>[Signature]</u>		Date: <u>8/14/14</u>		Time: <u>1230</u>		Received by: <u>[Signature]</u>		Date: <u>8-20-14</u>		Time: <u>1518</u>		Remarks: <u>Proj Address: 1400 N Royal St, Alexandria, VA</u>			
Relinquished by: <u>[Signature]</u>		Date: <u>8-23-14</u>		Time: <u>1050</u>		Received by: <u>[Signature]</u>		Date: <u>8/21/14</u>		Time: <u>10:50</u>		Remarks: <u>Send results to mlabs@gsconline.com and get requisition form</u>			
Relinquished by: <u>[Signature]</u>		Date: <u>8/22/14</u>		Time: <u>14:15</u>		Received by: <u>[Signature]</u>		Date: <u>8/22/14</u>		Time: <u>14:15</u>		Remarks: <u>EQ EDD file Name: NR6-PRGS-Lab Report Number: 258001, EQ EDD: ZIP</u>			
Relinquished by: <u>[Signature]</u>		Date: <u>8/22/14</u>		Time: <u>14:15</u>		Received by: <u>[Signature]</u>		Date: <u>8/22/14</u>		Time: <u>14:15</u>		Remarks: <u>Proj Address: 1400 N Royal St, Alexandria, VA</u>			

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Chain of Custody Receiving Document

Receiver: NS

Page 2 of 2

#2

Date/Time of this check: 8/26/14 14:29 client: GES

Lab # 4422019

Received on ICE? * Sample Temperature when delivered to the Lab: DJ Acceptable? * or In cool down process? *
Custody Seals? Intact?

COCL labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: solid

COC #	Number and Type of BOTTLES							Comments		
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)			
1							Other <input checked="" type="checkbox"/> * <u>4 oz jar</u>	Properly Preserved <input checked="" type="checkbox"/> *		
2							Other <input type="checkbox"/> *	Properly Preserved <input type="checkbox"/> *		
3							Other <input type="checkbox"/> *	Properly Preserved <input type="checkbox"/> *		

<p>* DEVIATION PRESENT:</p> <p><input checked="" type="checkbox"/> No Ice ()</p> <p><input checked="" type="checkbox"/> Not at Proper Temperature ()</p> <p><input checked="" type="checkbox"/> Wrong Container ()</p> <p><input checked="" type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES ()</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; quality data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
--	--	--

* Comments:



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State Certifications: MD 275, WV 364

GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers: 3

Reported:
 09/02/14 17:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-110D 13-12.5-20140820	4H22080-01	Solid	Grab	08/20/14 10:33	08/22/14 14:15
MW-110D 17.5-17-20140820	4H22080-02	Solid	Grab	08/20/14 10:46	08/22/14 14:15
MW-110D 21-21.5-20140820	4H22080-03	Solid	Grab	08/20/14 11:02	08/22/14 14:15

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers: 3

Reported:
 09/02/14 17:23

Client Sample ID: MW-110D 13-12.5-20140820

Date/Time Sampled: 08/20/14 10:33

Laboratory Sample ID: 4H22080-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	13160		2726	mg/kg dry	08/27/14 15:05	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		124 %	40-140		08/27/14 15:05	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	90.5		0.100	%	08/25/14 14:57	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers: 3

Reported:
 09/02/14 17:23

Client Sample ID: MW-110D 17.5-17-20140820

Date/Time Sampled: 08/20/14 10:46

Laboratory Sample ID: 4H22080-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
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Diesel Range Organics by EPA 8015

Diesel Range Organics	1419		301.6	mg/kg dry	08/27/14 13:35	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		193 %	40-140		08/27/14 13:35	EPA 8015D mod	rsr	2n

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.9		0.100	%	08/25/14 14:57	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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GES Maryland
 1350 Blair Drive, Suite A
 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers: 3

Reported:
 09/02/14 17:23

Client Sample ID: MW-110D 21-21.5-20140820

Date/Time Sampled: 08/20/14 11:02

Laboratory Sample ID: 4H22080-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Diesel Range Organics by EPA 8015

Diesel Range Organics	308.7		58.70	mg/kg dry	08/27/14 11:23	EPA 8015D mod	rsr	
<i>Surrogate: o-Terphenyl</i>		89.1 %		40-140	08/27/14 11:23	EPA 8015D mod	rsr	

Conventional Chemistry Parameters by SM/EPA Methods

% Solids	82.8		0.100	%	08/25/14 14:57	SM20-2540G	arr	
-----------------	------	--	-------	---	----------------	------------	-----	--

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GES Maryland
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 Odenton MD, 21113
 Project Manager: Greg Reichart

Project: NRG
 Project Number: 0402859-03-873
 Collector: CLIENT
 Number of Containers: 3

Reported:
 09/02/14 17:23

Notes

2n The surrogate value is not within the indicated range, results are considered to be estimated.

Definitions

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MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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1
4422080
COC #
Page 1 of 2

Client Name: LES
Address: 1350 Blair Drive Suite A
Oketown MD 21113
Contact: Les Reichert
Phone #: 866 220 3606 x 3717
Fax #: 866 902 2187
Project Name: NRG
Quote/PO #: 0402857-03-873

TAT: Normal Rush
Rush TAT subject to pre-approval and surcharge.
Date Required: 8/29/14

Sample Description/Location	GRAB	Composite	Received on ice? Y N		Sample Temp:	PWSID #	Reportable to PADER? Yes <input type="checkbox"/>		Matrix	Solid	Water	Other	# of Containers	Analyses Requested	LAB USE ONLY FedEx USPS UPS Other	Tracking #	Bottle Type/Comments
			Start Date	Start Time			End Date	End Time									
1 MW-1100 13-12.5	X												1				
2 MW-1100 17.5-17	X												1				
3 MW-1100 21-21.5	X												1				
Sampled by: <u>[Signature]</u>	Date: <u>8/14/14</u>	Time: <u>12:00</u>	Received by: <u>[Signature]</u>	Date: <u>8-20-14</u>	Time: <u>15:18</u>	Remarks: <u>Proj Address: 1400 N Royal St</u> <u>Alexandria VA</u> <u>Send results to: mlabs@gesonline.com</u> <u>and ges@gesonline.com</u> <u>EQEDD File Name: NRG - PRGS Lab Report</u> <u>Number: 25800 EQEDD.zip</u>											
Relinquished by: <u>[Signature]</u>	Date: <u>8-20-14</u>	Time: <u>10:50</u>	Received by: <u>[Signature]</u>	Date: <u>8/22/14</u>	Time: <u>10:50</u>												
Relinquished by: <u>[Signature]</u>	Date: <u>8/22/14</u>	Time: <u>14:15</u>	Received by: <u>[Signature]</u>	Date: <u>8/22/14</u>	Time: <u>14:15</u>												

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse. Write Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: MS

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2

Date/Time of this check: 8/22/14 11:27 client: GES

Lab # 4422080

Received on ICE? * Sample Temperature when delivered to the Lab: 0.1 Acceptable? * or In cool down process? *
Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: Solid

COC #	Number and Type of BOTTLES							Comments			
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCs (Head space?)		Other	Property Preserved	Bacti
1								<input checked="" type="checkbox"/> * <u>Yes</u>	<input type="checkbox"/> *		
2								<input type="checkbox"/> *	<input type="checkbox"/> *		
3								<input type="checkbox"/> *	<input type="checkbox"/> *		

* DEVIATION PRESENT:

No Ice ()

Not at Proper Temperature ()

Wrong Container ()

Missing Information: ()

CLIENT CALLED: YES ()

By Whom: _____ Date: _____

CLIENT RESPONSE: Proceed with analysis; quality data ()
Will Resample ()
Provided Information ()
No Response; Proceed and qualified ()

Client Contact: _____ Date: _____

* Comments: COC has description on MW-110D but jars are MW-109D ; times match up from bottle to COC