



Underground Storage Tank System Closure Report

**Gasoline Fueling Station – Royal Farms #1
2620 Mountain Road
Joppa, MD 21085
MDE Case No. 2005-0357-HA
MDE Facility ID No. 3965**

AEC Project No. 05-056-RF001

Submitted to:

Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore, Maryland 21230-1719

Prepared for:

Two Farms, Inc. t/a Royal Farms
3611 Roland Avenue
Baltimore, Maryland 21211

Prepared by:

Advantage Environmental Consultants, LLC
8610 Washington Boulevard, Suite 217
Jessup, Maryland 20794

August 13, 2015



August 13, 2015

Ms. Susan Bull
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore, Maryland 21230-1719

**Re: Underground Storage Tank System Closure Report
 Fueling Station – Royal Farms #001
 2620 Mountain Road
 Joppa, Maryland 21085
 MDE Case No. 2005-0357-HA
 Facility ID: 3965
 AEC Project No. 05-056-RF001**

Dear Ms. Bull:

Advantage Environmental Consultants, LLC (AEC) is pleased to submit our report, on behalf of Royal Farms / Two Farms, Inc., to the Maryland Department of the Environment (MDE) for environmental services performed at the above referenced property (i.e., the Site).

AEC was contracted by Royal Farms to perform underground storage tank (UST) system removal and excavation oversight; and confirmatory sampling associated with the removal of the UST system at the Site. Removal activities were performed by M&S Mechanical Contractors between April 29 to May 1, 2015.

If you have any questions regarding information in this report or if we can be of further assistance, please contact AEC at (301) 776-0500.

Sincerely,

Advantage Environmental Consultants, LLC

A handwritten signature in black ink, appearing to read 'James Wolf', with a long horizontal line extending to the right.

James Wolf
Project Manager

A handwritten signature in blue ink, appearing to read 'Jeffery Stein', with a stylized, cursive script.

Jeffery S. Stein, P.G.
Principal

CC: Mr. Thomas E. Ruszin III, Royal Farms

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1.0 INTRODUCTION

1.1 Project Introduction and Scope

AEC was contracted by Two Farms, Inc. t/a Royal Farms. to perform underground storage tank (UST) system removal and excavation oversight; and confirmatory sampling associated with the removal of one 20,000-gallon compartmentalized (14,000-gallon gasohol, 6,000-gallon gasohol) single-walled, composite [steel with fiberglass reinforced plastic (FRP)] UST and one 15,000-gallon compartmentalized (11,000-gallon diesel, 4,000-gallon kerosene) single-walled composite (steel with FRP) UST, associated single-walled FRP piping, and product dispensers located at 2620 Mountain Road, Joppa, Maryland (hereinafter referred to as the "Site"). A Site Vicinity Map is included as Figure 1 in Appendix A. A Site Plan is included as Figure 2 in Appendix A.

UST removal activities were conducted from April 29 to May 1, 2015. UST system removal activities were performed by M&S Mechanical Contractors. Petroleum Management of Baltimore, Maryland was onsite periodically to empty and clean the USTs and piping, remove accumulated water from the excavation, and dispose of the USTs following removal. All petroleum impacted fluids generated during UST removal activities were properly disposed of by Petroleum Management. Petroleum impacted material from UST system removal activities were transported to Soil Safe of Brandywine, Maryland. A total of 659.30 tons of petroleum impacted material were removed from the Site. Susan Bull of the Maryland Department of the Environment (MDE) was present during removal of the UST system.

1.2 Site Location, and Topography

The Site consists of a single parcel of land that is located immediately northwest of the intersection of Mountain Road and Franklinville Road, in Joppa, Harford County, Maryland. The Site is developed with a retail convenience store building and underground storage tank (UST) field. The remainder of the site consists of asphalt-paved parking and landscaped areas.

The Site is bordered by Mountain Road to the east and Franklinville Road to the south. The intersection of Mountain Road and Franklinville Road is located southeast of the Site. Undeveloped and wooded land is present in all directions with the exception of residential properties located to the north of the Site.

According to the United States Geological Survey Edgewood, Maryland 7.5 Minute Series Topographic Quadrangle map; the elevation of the Site is approximately 340 feet above mean sea level (msl). Regional surface drainage patterns in the vicinity of the Site are toward the southwest in the direction of Gunpowder River, located southwest of the Site.

2.0 UST REMOVAL ACTIVITIES

AEC was contracted by Two Farms, Inc. t/a Royal Farms to perform UST system removal oversight, excavation oversight, and confirmatory sampling services. UST system removal activities were performed by M&S Mechanical Contractors of Baltimore, Maryland. Prior to the removal of the USTs and associated piping, any remaining liquids were pumped from the product dispensing lines and USTs by Petroleum Management. A copy of the manifest for disposal of fluids removed during the tank and piping cleaning is included in Appendix B.

M&S Mechanical removed the four gasoline dispensers and associated piping runs between the dispensers and the UST. In addition, M&S Mechanical removed remaining components of a former kerosene dispenser and associated piping runs. Soil beneath the dispensers and the dispenser piping was also screened for odors, visually, and using a photoionization detector (PID). Significant petroleum impact was not noted in native soils. AEC collected samples from beneath each gasoline dispenser (D-1 through D-4), as directed by Ms. Bull. AEC collected two samples (PR-1 and PR-2) from beneath the gasoline piping runs. Samples were also collected from beneath the location of the former kerosene dispenser (D-K) and from beneath the kerosene piping run (KPR). Sample EP-1 was collected approximately 3 feet into the electrical conduit trench associated with the tank field to ensure product did not migrate along the utility corridor. Over-excavation to approximately 6 feet bgs was performed in the locations of these UST system components. Confirmatory samples were all taken at approximately 6 feet bgs. Sample locations are shown on Figure 3 of Appendix A.

Ms. Bull noted no perforations on the tanks at the time of removal. After removal, Petroleum Management loaded the tanks on trucks and hauled them off-Site for proper disposal. A small amount groundwater was observed entering the excavation during the removal. Petroleum Management was onsite with a vacuum truck for removal of groundwater and stormwater which entered the tank field excavations prior to backfilling. Manifests for removal of this fluid are included in Appendix B. A copy of the UST disposal receipt is included in Appendix C.

Pea gravel removed from the excavation was field screened and did exhibit petroleum odor and staining. Soils beneath the pea gravel exhibited minimal petroleum impact. A total of 659.30 tons of petroleum impacted material was disposed of at Soil Safe. Manifests for non-hazardous material disposal at Soil Safe are included in Appendix D.

Following removal of the USTs, confirmation sampling was performed in the UST field excavation. Soil sample locations at the final depth of the excavation and on sidewalls of the excavation were decided upon in consultation with Ms. Susan Bull. Samples at the bottom of the excavation were taken from the four corners (T1-1, T1-2, T2-1, and T2-2) and from the center (M-1). The depth to the bottom of the excavation was approximately 18 feet. Four samples were taken from the four walls of the excavation at approximately 8 feet bgs.

Confirmation samples were analyzed for volatile organic compounds (VOCs) including fuel oxygenates and naphthalene via Environmental Protection Agency (EPA) Analytical Method 8260B, total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and TPH diesel range organics (DRO) via EPA Analytical Method 8015B.

Site photographs are provided in Appendix E. Copies of the MDE Tank Removal/Abandonment and Notification for Underground Storage Tanks Forms are included in Appendix F.

3.0 SOIL SAMPLING LOCATION AND RESULTS

Fuel constituents were not reported above their respective Generic Numeric Cleanup Standards for Non-Residential Soil (Regulatory Standards) in any of the confirmation samples. Soil sample analytical results for all analytes with listed regulatory standards are summarized in Table 1 below. Various other analytes were detected which do not have applicable standards including: tert-Amyl alcohol (TAA), tert-Amyl methyl ether (TAME), tert-Butanol (TBA), n-Butylbenzene, Diisopropylbenzene (DIPE, 4-Isopropyltoluene, n-propylbenzene, 1,2,4 Trimethylbenzene, and 1,3,5 Trimethylbenzene. Laboratory analytical reports are included in Appendix G.

Table 1 - Soil Analytical Results
Royal Farms Store #001
2620 Mountain Road, Joppa, Harford County, Maryland
(Samples collected on April 29, 30, and May 1, 2015)

Sample	Acetone	Benzene	Toluene	Ethyl-benzene	Xylenes	Cumene	MTBE	Naphth.	TPH GRO	TPH DRO
D-1	41.2	BDL	BDL	BDL	BDL	BDL	169	BDL	0.13	BDL
D-2	34.0	BDL	BDL	BDL	BDL	BDL	20.5	BDL	BDL	BDL
D-3	BDL	BDL	BDL	BDL	BDL	BDL	3.6j	2.7j	BDL	BDL
D-4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PR-1	18.2	BDL	BDL	BDL	BDL	BDL	162	BDL	BDL	BDL
PR-2	BDL	BDL	BDL	BDL	BDL	BDL	475	BDL	BDL	BDL
DK	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
KPR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
T1-1	BDL	21.2	36.6	221	435.5	9.2	56.7	28.2	0.94	BDL
T1-2	BDL	12.0	98.2	92.7	289	3.8j	347j	16.5	0.80	BDL
M-1	BDL	14.2	116	81.7	274.1	2.8j	247	10.9	0.89	BDL
T2-1	BDL	28.1	257j	416j	1216	34.2	110	39.6	4.05	BDL
T2-2	BDL	16.9	102	88.7j	253.9	2.7j	502j	11.3	0.93	BDL
SW-1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.7
SW-2	BDL	BDL	BDL	BDL	BDL	BDL	57.2	BDL	BDL	BDL
SW-3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SW-4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EP-1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Non-Residential Cleanup	9.2x10 ⁷	5.2x10 ⁴	8.2x10 ⁷	1.0x10 ⁷	2.0x10 ⁷	1.0x10 ⁷	720	2,000	620	620

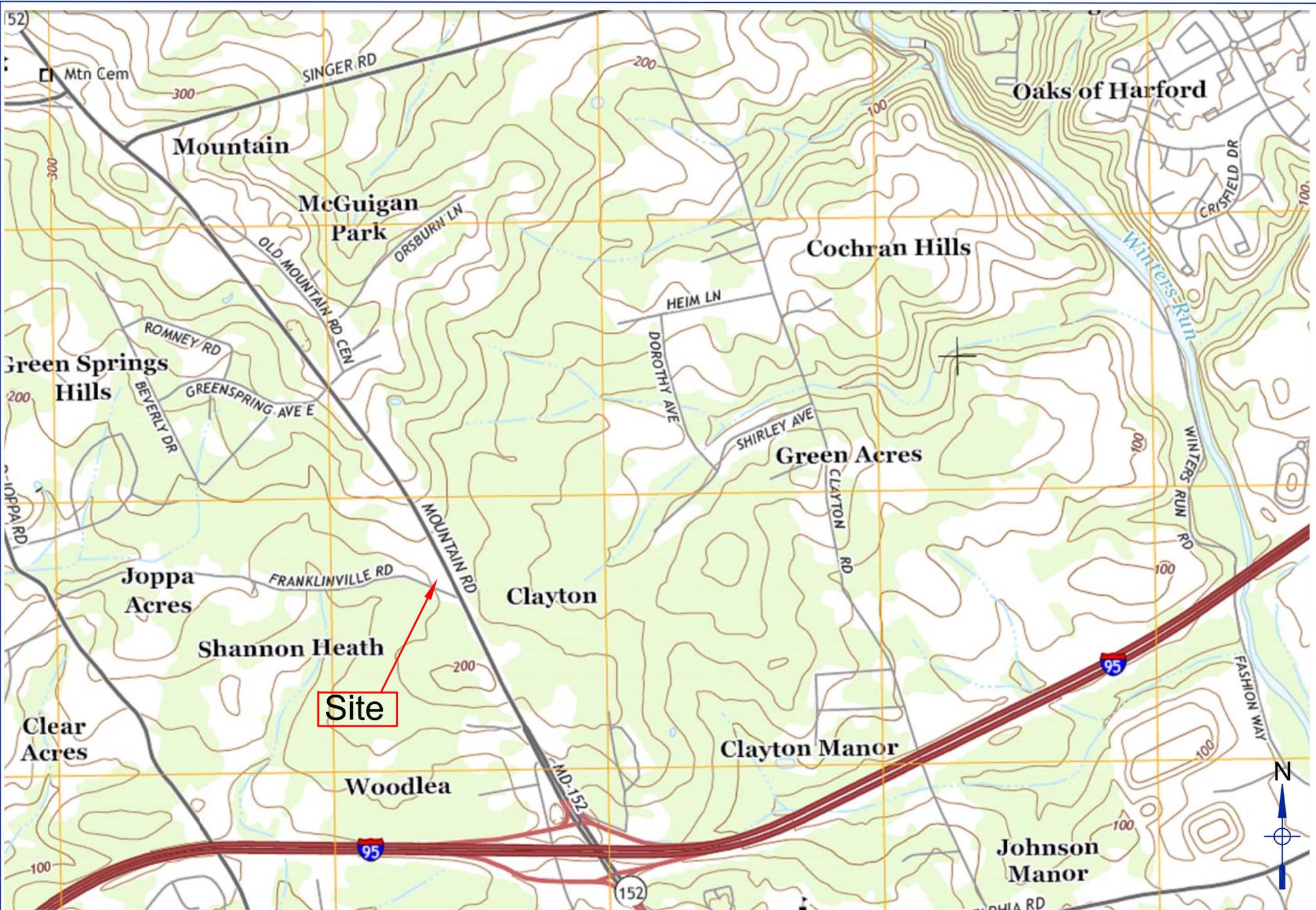
BDL = Below Detection Limits; j = Denotes estimated value; See laboratory analytical results reports for full results.
 TPH GRO and DRO results in parts per million or mg/Kg; VOC results in parts per billion or ug/Kg;
 TPH = Total Petroleum Hydrocarbons; GRO = Gasoline Range Organics; DRO = Diesel Range Organics;
 Naphth – Naphthalene
 MTBE = Methyl-tertiary butyl-ether; MDE Standards (Generic Numeric Cleanup Standards for Groundwater and Soil - Interim Final Guidance Update No. 2.1 - June 2008)

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on UST removal confirmatory sample laboratory analytical results, it is AEC's opinion that the petroleum impact in the immediate vicinity of the removed USTs, and dispensers, has been removed to the maximum extent practicable. The remaining impacted material which exhibited concentrations below the regulatory standards poses no risk to potential receptors (i.e., lack of routes of exposure for soil ingestion or dermal contact). Based on petroleum impact to groundwater which was established in the area of the removed USTs prior to their removal, AEC recommends installation of four monitoring wells in the location of the removed USTs. AEC recommends that these wells be built to the monitoring well specifications outlined in AEC's Environmental Redevelopment Work Plan which was submitted to MDE on October 24, 2014.

The placement of new USTs was completed on the western portion of the Site in April 30, 2015. As the Site is located in a High-risk Groundwater Use Area (HRGUA), installation of monitoring wells in association with the placement of these new USTs is also necessary. Construction specifications for these monitoring wells were included in AEC's Environmental Redevelopment Work Plan. Locations of these proposed wells are also included on Figure 2 of Appendix A of this report.

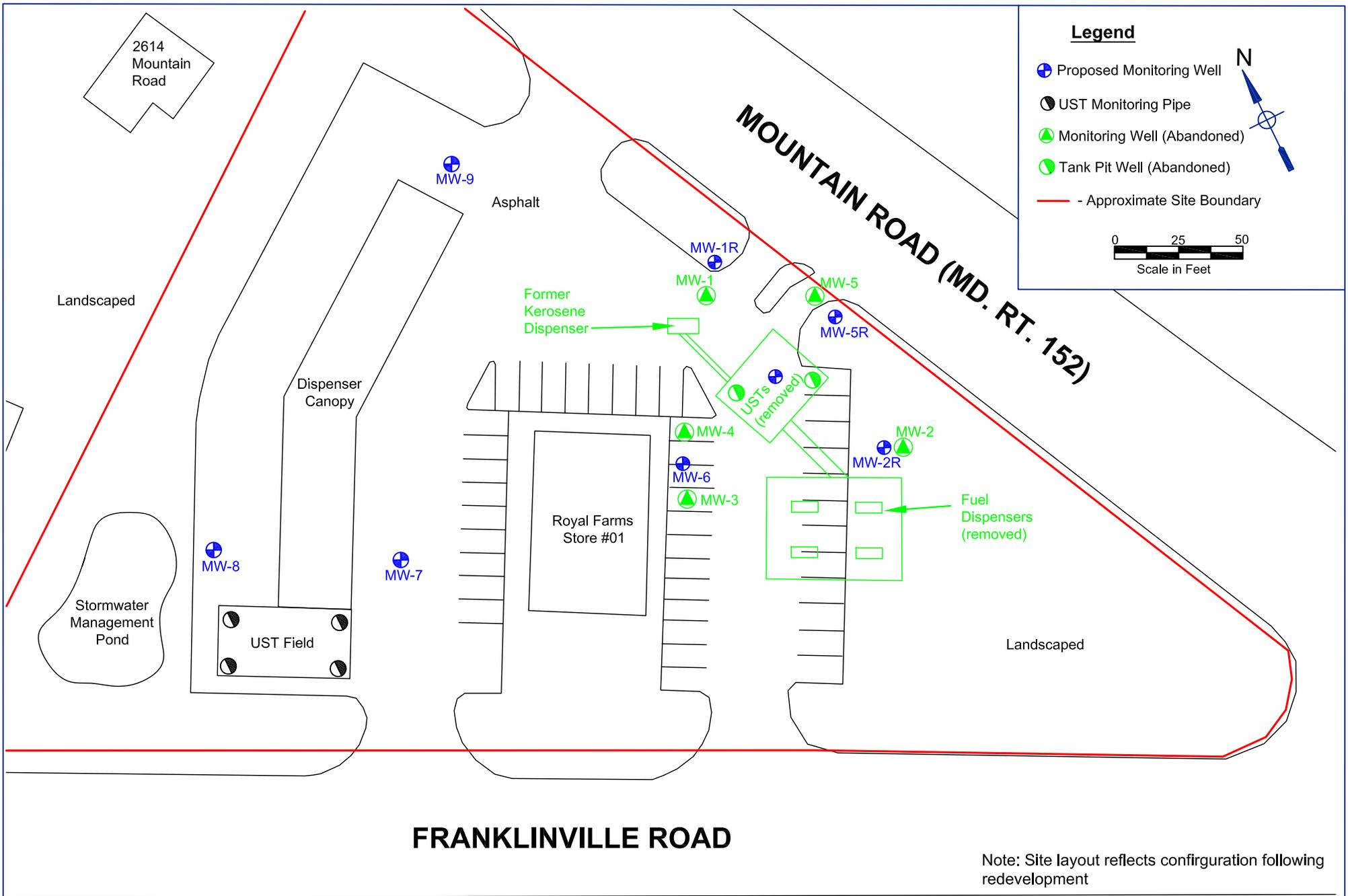
APPENDIX A
FIGURES



8610 Washington Blvd, Suite 217
 Jessup, MD 20794
 Phone 301-776-0500
 Fax 301-776-1123

May 2015	Figure 1
Project No. 05-056	Drawn by: JDW
Task No. RF001	Revision No. 1

Site Vicinity Map
 Royal Farms No. 001
 2620 Mountain Road
 Joppa, MD 21085



Asphalt

Legend

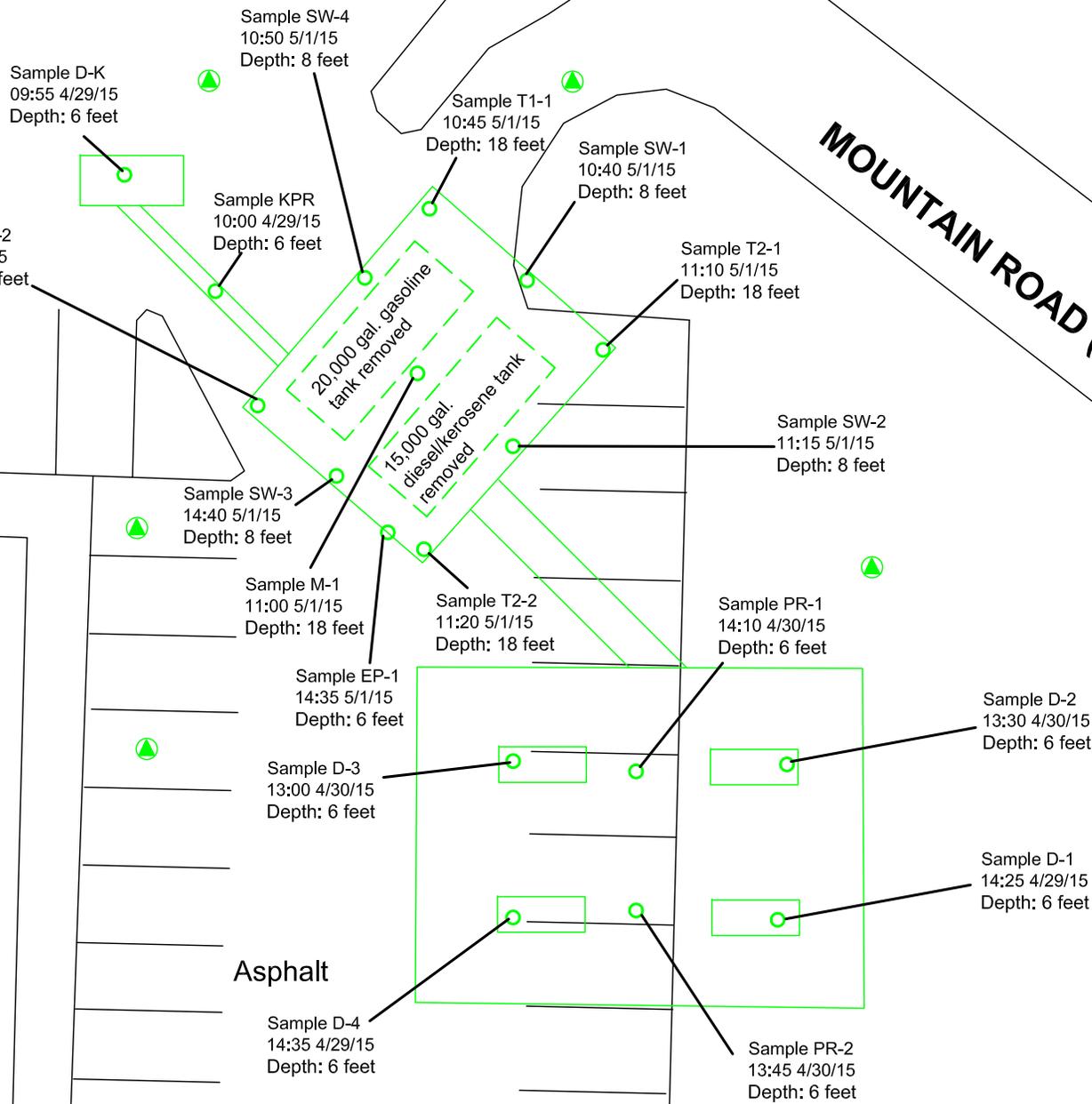
- Sample Location
- ▲ Former Well



MOUNTAIN ROAD (MD. RT. 152)

Landscaped

Royal Farms #01



Note: Site layout reflects configuration following redevelopment which is currently ongoing.



8610 Washington Blvd, Suite 217
Jessup, MD 20794
Phone 301-776-0500
Fax 301-776-1123

May 2015

Figure 3

Project No. 05-056

Drawn by: JDW

Task No. RF001

Revision No. 1

Sample Location Map
Royal Farms No. 001
2620 Mountain Road
Joppa, MD 21085

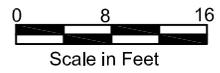
Asphalt

**MOUNTAIN ROAD
(MD. RT. 152)**

Legend

- Sample Location
- ▲ Former Well

BTEX - Total Benzene, Toluene, Ethylbenzene, and Xylenes
 Naphth. - Naphthalene
 MTBE - Methyl-tert-butyl-ether
 TPH - Total Petroleum Hydrocarbons
 GRO - Gasoline Range Organics
 DRO - Diesel Range Organics
 BDL - Below Detection Limits
 j - Denotes estimated value
 Results in micrograms per kilogram (ug/kg)
 DRO and GRO reported in milligrams per kg (mg/kg)
 bgs - below ground surface



Landscaped

Asphalt

Sample D-K @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

Sample T1-1 @ 18'bgs

BTEX	714.3
Naphth.	28.2
MTBE	56.7
GRO	0.94
DRO	BDL

Sample SW-4 @ 8'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

Sample M-1 @ 18'bgs

BTEX	1206.2
Naphth.	10.9
MTBE	247
GRO	0.89
DRO	BDL

Sample SW-1 @ 8'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

Sample T2-1 @ 18'bgs

BTEX	1917.1
Naphth.	39.6
MTBE	110
GRO	4.05
DRO	BDL

Sample KPR @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

20,000 gal. gasoline tank removed

15,000 gal. diesel/kerosene tank removed

Sample T1-2 @ 18'bgs

BTEX	491.9
Naphth.	16.5
MTBE	347j
GRO	0.80
DRO	BDL

Sample SW-2 @ 8'bgs

BTEX	BDL
Naphth.	BDL
MTBE	57.2
GRO	BDL
DRO	BDL

Sample SW-3 @ 8'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

Sample EP-1 @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

Sample T2-2 @ 18'bgs

BTEX	461.5
Naphth.	11.3
MTBE	502j
GRO	0.93
DRO	BDL

Sample PR-1 @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	162
GRO	BDL
DRO	BDL

Sample D-2 @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	20.5
GRO	BDL
DRO	BDL

Sample D-3 @ 6'bgs

BTEX	BDL
Naphth.	2.7j
MTBE	3.6j
GRO	BDL
DRO	BDL

Sample PR-2 @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	475
GRO	BDL
DRO	BDL

Sample D-4 @ 6'bgs

BTEX	BDL
Naphth.	BDL
MTBE	BDL
GRO	BDL
DRO	BDL

Sample D-1 @ 6'bgs

BTEX	0.13
Naphth.	BDL
MTBE	169
GRO	BDL
DRO	BDL

Notes

Features in green depict former Site features which were removed as part of Site redevelopment.
 The remaining Site layout reflects Site configuration following redevelopment.



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 Jessup, MD 20794
 Phone 301-776-0500
 Fax 301-776-1123

May 2015
Project No. 05-056
Task No. RF001

Figure 4
Drawn by: JDW
Revision No. 1

Soil Quality Map
 Royal Farms No. 001
 2620 Mountain Road
 Joppa, MD 21085

Legend

Monitoring Well

● Proposed Monitoring Well

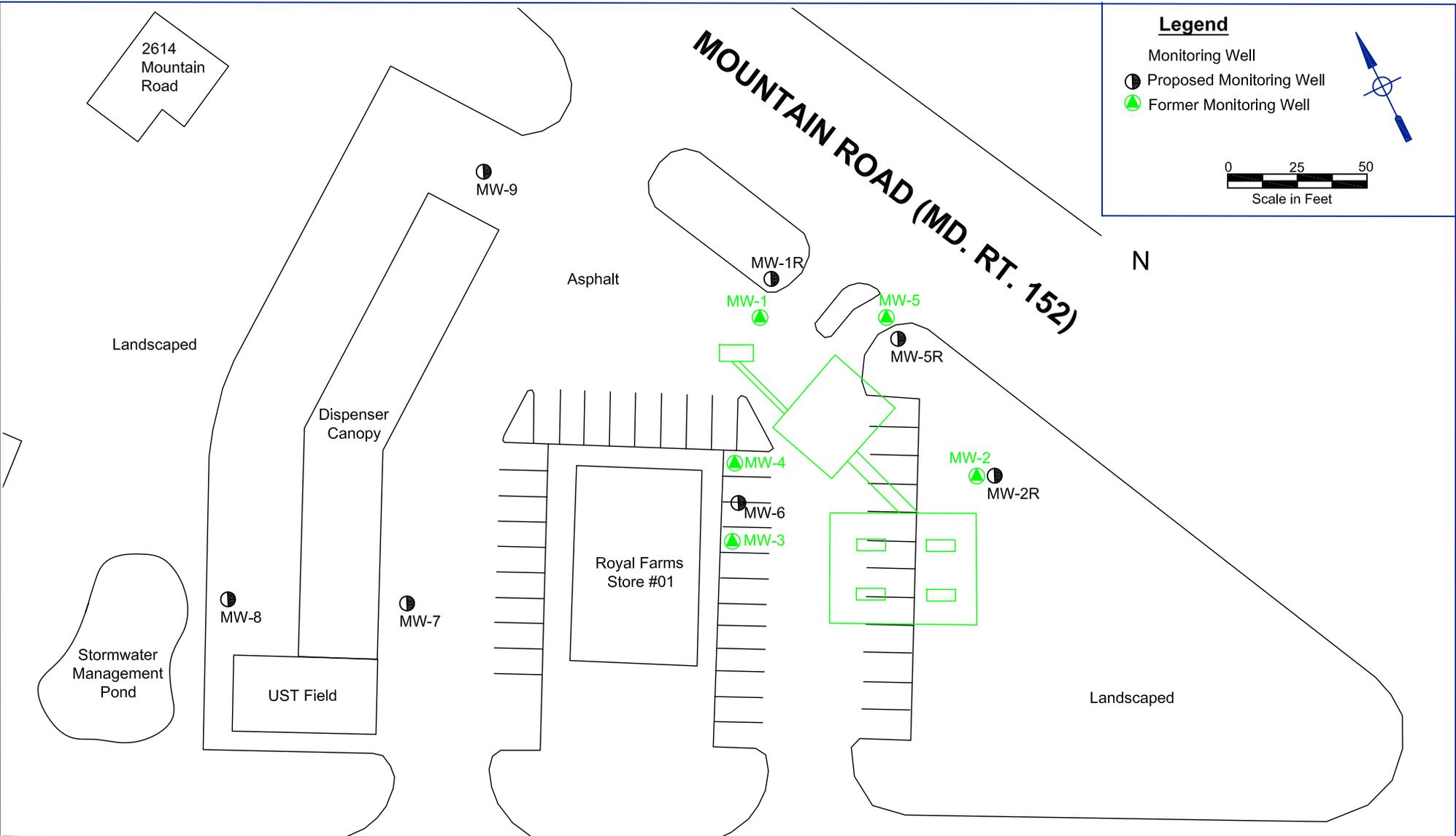
▲ Former Monitoring Well



MOUNTAIN ROAD (MD. RT. 152)

N

FRANKLINVILLE ROAD



Notes

Features in green depict former Site features which were removed as part of Site redevelopment.
The remaining Site layout reflects Site configuration following redevelopment.



8610 Washington Blvd, Suite 217
Jessup, MD 20794
Phone 301-776-0500
Fax 301-776-1123

July 2015	Figure 5
Project No. 05-056	Drawn by: JDW
Task No. RF001	Revision No. 1

Proposed Monitoring Well Locations
Royal Farms No. 001
2620 Mountain Road
Joppa, MD 21085

APPENDIX B

TANK CLEANING AND TANK PIT DEWATERING MANIFESTS

Petroleum Management, Inc.

MD. Oil Operations Permit No: 2011-OPT-38311
 EPA Identification No: MDR000525278
 Federal ID No: 52-2014536

5218 Curtis Avenue ♦ Baltimore, Maryland 21226 ♦ Phone 410-354-0200 ♦ Fax 410-354-0201

Bill of Lading/Manifest

No 11270

Generator/Shipper: <i>Royal Farms</i>			Billing Name: <i>Royal Farms</i>		
Site Address: <i>3630 Montross Rd</i>			Address:		
City: <i>Towson</i>	State: <i>MD</i>	Zip: <i>21286</i>	City:	State:	Zip:
Phone: ()	Contact:	Phone: ()	Contact:		

Purchase Order NO:

MATERIAL CHARACTERIZATION (CHECK ALL THAT APPLY):

Description:	Gallons	Description:	Gallons	Description:	Gallons
Gasoline, 3, UN1203, PGII		Hazardous Waste, Liquid, 9 NA3082, PGIII		JP#4	
#2 Fuel Oil, 3, NA1993, PGIII		Hazardous Waste, Solid, 9 NA3077, PGIII		JP#5	
#4 Fuel Oil, 3 NA1993, PGIII		Paint Thinners, 3, UN1263, PGI		Jet A	
#6 Fuel Oil, 3, NA1993, PGIII		Ethylene Glycol, 9, UN3082, PGIII		Sludge	
Diesel, 3, NA1993, PGIII		Lube Oil		Petroleum Contaminated Water	<i>6172</i>
Flammable Liquids, NOS, 3, UN1993, PGI		Waste Oil		Other:	
Corrosive Liquids, NOS, 8, UN1760, PGI		Kerosene		Other:	
No. of Drums		No. of Tanks:		Other:	
Scale Weights (Soil): Total: (Tons)		Tare: (Tons)		Net: (Tons)	

Service Description: *...*

PLACARDS TENDERED: YES NO EMERGENCY CONTACT (410) 354-0200

Generator/Shipper Certification Statement

As the generator or shipper, I hereby certify that this material is properly classified and does not contain Polychlorinated Biphenyls (PCB'S). To the best of my knowledge it has not been mixed, combined or blended in any amount with any other material defined as hazardous waste under applicable law. Generator/Shipper agrees to indemnify and hold Petroleum Management, Inc. harmless for any damages arising from or in any way relating to a breach of this Certification Statement.

<input checked="" type="checkbox"/> Generator/Shipper Authorized Agent (Print)	Date of Service: <i>11/27/15</i>
<input checked="" type="checkbox"/> Generator/Shipper Authorized Agent Signature	

HAULER/CARRIER INFORMATION

Co. Name Petroleum Management, Inc.		Driver Name (print)	
Street 5218 Curtis Avenue		Driver Signature	
City Baltimore	State MD	Zip 21226	Phone <i>410-354-0200</i>

The above mentioned materials have been received by this facility and will be handled in accordance with all applicable rules and regulations. All quantities are subject to final verification by this facility and are indicated in far right box.	RECEIVING FACILITY ACCEPTANCE	
	Facility Name	
	Acceptance Signature	
	Phone	Total Quantity Received

White - Original Yellow - Transporter Pink - Facility Gold - Customer

Petroleum Management, Inc.

MD. Oil Operations Permit No: 2011-OPT-38311
 EPA Identification No: MDR000525278
 Federal ID No: 52-2014536

5218 Curtis Avenue ♦ Baltimore, Maryland 21226 ♦ Phone 410-354-0200 ♦ Fax 410-354-0201

Bill of Lading/Manifest

No 11272

Generator/Shipper: <i>Royal Farms</i>			Billing Name: <i>Royal Farms</i>		
Site Address: <i>2620 ...</i>			Address:		
City: <i>...</i>	State:	Zip:	City:	State:	Zip:
Phone: ()	Contact:		Phone: ()	Contact:	

Purchase Order NO: _____

MATERIAL CHARACTERIZATION (CHECK ALL THAT APPLY):

Description:	Gallons	Description:	Gallons	Description:	Gallons
Gasoline, 3, UN1203, PGII		Hazardous Waste, Liquid, 9 NA3082, PGIII		JP#4	
#2 Fuel Oil, 3, NA1993, PGIII		Hazardous Waste, Solid, 9 NA3077, PGIII		JP#5	
#4 Fuel Oil, 3 NA1993, PGIII		Paint Thinners, 3, UN1263, PGI		Jet A	
#6 Fuel Oil, 3, NA1993, PGIII		Ethylene Glycol, 9, UN3082, PGIII		Sludge	
Diesel, 3, NA1993, PGIII		Lube Oil		Petroleum Contaminated Water	
Flammable Liquids, NOS, 3, UN1993, PGI		Waste Oil		Other:	
Corrosive Liquids, NOS, 8, UN1760, PGI		Kerosene		Other:	
No. of Drums		No. of Tanks: <i>1</i>	<i>1</i>	Other:	
Scale Weights (Soil): Total: (Tons)		Tare: (Tons)		Net: (Tons)	

Service Description: *...*

PLACARDS TENDERED: YES NO EMERGENCY CONTACT (410) 354-0200

Generator/Shipper Certification Statement
 As the generator or shipper, I hereby certify that this material is properly classified and does not contain Polychlorinated Biphenyls (PCB'S). To the best of my knowledge it has not been mixed, combined or blended in any amount with any other material defined as hazardous waste under applicable law. Generator/Shipper agrees to indemnify and hold Petroleum Management, Inc. harmless for any damages arising from or in any way relating to a breach of this Certification Statement.

Generator/Shipper Authorized Agent (Print) _____ Date of Service *4/29/15*
 Generator/Shipper Authorized Agent Signature _____

HAULER/CARRIER INFORMATION

Co. Name Petroleum Management, Inc.		Driver Name (print) <i>Joe Luzzi</i>	
Street 5218 Curtis Avenue		Driver Signature <i>[Signature]</i>	
City Baltimore	State MD	Zip 21226	Phone <i>[Phone]</i>

The above mentioned materials have been received by this facility and will be handled in accordance with all applicable rules and regulations. All quantities are subject to final verification by this facility and are indicated in far right box.

RECEIVING FACILITY ACCEPTANCE	
Facility Name	
Acceptance Signature	
Phone	Total Quantity Received

White - Original Yellow - Transporter Pink - Facility Gold - Customer



Petroleum Management, Inc.



Day: Wednesday

Date: 4/29/15

Job Location: 2000 Maple Rd

Bill To: Rep. 1446

Contact: _____

Contact: _____

Phone: _____

Phone: _____

JOB DESCRIPTION:

Work on 2000 Maple Rd. Tank. Part of the work was done by the client. The rest was done by the contractor. The contractor was responsible for the removal of the tank. The contractor was also responsible for the removal of the sludge from the tank. The contractor was also responsible for the removal of the debris from the tank. The contractor was also responsible for the removal of the debris from the tank.

Title / Name	Equipment Type/ Number	Start Time	Stop Time	Total Hours
<u>Keith</u>	<u>V-1</u>	<u>7:00</u>	<u>3:30</u>	<u>3 1/2</u>
<u>Rep. 1446</u>	<u>V-1</u>	<u>7:00</u>	<u>7:00</u>	<u>0</u>
<u>Keith</u>	<u>V-1</u>	<u>7:00</u>	<u>3:30</u>	<u>3 1/2</u>
<u>Keith</u>	<u>V-1</u>	<u>7:00</u>	<u>1:00</u>	<u>6</u>
<u>Keith</u>	<u>V-1</u>	<u>7:00</u>	<u>7:00</u>	<u>0</u>
<u>Joe</u>	<u>T-3 + Laundry</u>	<u>12:00</u>	<u>3:30</u>	<u>3 1/2</u>

Materials:

Description	Quantity
<u>Oil</u>	<u>1</u>
<u>Sludge</u>	<u>1</u>
<u>Gas</u>	<u>1</u>

SubContractors:

<u>Mr. 1446</u>	

Disposal:

	Amount in Gallons	Manifest Number
<u>Liquid Disposal</u>	<u>6100</u>	<u>11270</u>
<u>Sludge Disposal</u>	<u>1000 gal tank</u>	<u>11270</u>
<u>Other</u>	<u>0</u>	<u>11273</u>

Petroleum Management

Print Name: Keith

Signature: _____

Date: 4/29/15

Client

Print Name: _____

Signature: _____

Date: _____

Petroleum Management, Inc.

MD. Oil Operations Permit No: 2011-OPT-38311
 EPA Identification No: MDR00525278
 Federal ID No: 52-2014536

5218 Curtis Avenue ♦ Baltimore, Maryland 21226 ♦ Phone 410-354-0200 ♦ Fax 410-721-1390

Bill of Lading/Manifest

No. **13321**

Generator/Shipper:			Billing Name:		
Site Address:			Address:		
City:	State:	Zip:	City:	State:	Zip:
Phone: ()	Contact:		Phone: ()	Contact:	

Purchase Order NO:

MATERIAL CHARACTERIZATION (CHECK ALL THAT APPLY):

Description:	Gallons	Description:	Gallons	Description:	Gallons
Gasoline, 3, UN1203, PGI		Hazardous Waste, Liquid, 9 NA3082, PGIII		JP#4	
#2 Fuel Oil, 3, NA1993, PGIII		Hazardous Waste, Solid, 9 NA3077, PGIII		JP#5	
#4 Fuel Oil, 3 NA1993, PGIII		Paint Thinners, 3, UN1263, PGI		Jet A	
#6 Fuel Oil, 3, NA1993, PGIII		Ethylene Glycol, 9, UN3082, PGIII		Sludge	
Diesel, 3, NA1993, PGIII		Lube Oil		Petroleum Contaminated Water	1076
Flammable Liquids, NOS, 3, UN1993, PGI		Waste Oil		Other:	
Corrosive Liquids, NOS, 8, UN1760, PGI		Kerosene		Other:	
No. of Drums		No. of Tanks:		Other:	
Scale Weights (Soil): Total: (Tons)		Tare: (Tons)		Net: (Tons)	

Service Description:

PLACARDS TENDERED: YES NO EMERGENCY CONTACT (410) 354-0200

Generator/Shipper Certification Statement

As the generator or shipper, I hereby certify that this material is properly classified and does not contain Polychlorinated Biphenyls (PCB'S). To the best of my knowledge it has not been mixed, combined or blended in any amount with any other material defined as hazardous waste under applicable law. Generator/Shipper agrees to indemnify and hold Petroleum Management, Inc. harmless for any damages arising from or in any way relating to a breach of this Certification Statement.

<input checked="" type="checkbox"/> Generator/Shipper Authorized Agent (Print)	Date of Service
<input checked="" type="checkbox"/> Generator/Shipper Authorized Agent Signature	

HAULER/CARRIER INFORMATION

Co. Name Petroleum Management, Inc.		Driver Name (print)
Street 5218 Curtis Avenue		Driver Signature
City Baltimore	State MD	Zip 21226
Phone		

The above mentioned materials have been received by this facility and will be handled in accordance with all applicable rules and regulations. All quantities are subject to final verification by this facility and are indicated in far right box.	RECEIVING FACILITY ACCEPTANCE	
	Facility Name	
	Acceptance Signature	
Phone	Total Quantity Received	

White - Original Yellow - Transporter Pink - Facility Gold - Customer



Petroleum Management, Inc.



Day: Friday
Date: 5-1-17

Job Location: Royal Farms
10000 Royal Farms Rd
Greenbelt, MD
Contact: John
Phone: _____

Bill To: Royal Farms

Contact: _____
Phone: _____

JOB DESCRIPTION:

PEI
Remove and dispose of 1000 gallons of
oil from a tank at Royal Farms

Title / Name	Equipment Type/ Number	Start Time	Stop Time	Total Hours
<u>John</u>	<u>VEH</u>	<u>11:00</u>	<u>11:30</u>	<u>4/5</u>

Materials:

Description	Quantity
<u>TANKER</u>	<u>1</u>

SubContractors:

<u>MS</u>	<u>1000</u>
<u>Highway Construction</u>	<u>1000</u>

Disposal:

	Amount in Gallons	Manifest Number
<u>Liquid Disposal</u>	<u>1076</u>	<u>13501</u>
<u>Sludge Disposal</u>		
<u>Other</u>		

Petroleum Management

Print Name: John
Signature: _____
Date: 5/1/17

Client

Print Name: _____
Signature: _____
Date: _____

APPENDIX C

TANK DISPOSAL RECEIPT

Petroleum Recovery & Remediation Management, Inc.

5218 Curtis Avenue ♦ Baltimore, MD 21226 ♦ (410) 354-0200 ♦ Fax (410) 721-1390

CERTIFICATE OF DISPOSAL

Issued To: Hopkins & Wayson
Site Address: 2620 Mountain Road
Joppa, MD

Petroleum Management, Inc. certifies acceptance of the material referenced on this document. The material has been disposed of in accordance with United States Environmental Protection Agency, MD Regulations, and API Recommended Practice 1604.

Items Received

Quantity/Description: One (1) 20,000 gallon steel tank &
One (1) 15,000 gallon steel tank

Disposal Facility: Baltimore Scrap Yard
3100 Weedon Street
Baltimore, MD 21226

I certify that the information contained in or accompanying this document is true, accurate and complete as to the identification of the materials received from the waste generating company and the processing of the waste in accordance with United States Environmental Protection Agency and local MD regulations.

By: Kelly Polts
Date: July 13, 2015

Petroleum Management, Inc.

MD. Oil Operations Permit No: 2011-OPT-38311
 EPA Identification No: MDR000525278
 Federal ID No: 52-2014536

5218 Curtis Avenue ♦ Baltimore, Maryland 21226 ♦ Phone 410-354-0200 ♦ Fax 410-354-0201

Bill of Lading/Manifest

No 11272

Generator/Shipper: <i>Royal Farms</i>			Billing Name: <i>Royal Farms</i>		
Site Address: <i>2620 Mountain Rd</i>			Address:		
City: <i>Joppa</i>	State: <i>MD</i>	Zip:	City:	State:	Zip:
Phone: ()	Contact: <i>Tom</i>		Phone: ()	Contact:	

Purchase Order NO:

MATERIAL CHARACTERIZATION (CHECK ALL THAT APPLY):

Description:	Gallons	Description:	Gallons	Description:	Gallons
Gasoline, 3, UN1203, PGII		Hazardous Waste, Liquid, 9 NA3082, PGIII		JP#4	
#2 Fuel Oil, 3, NA1993, PGIII		Hazardous Waste, Solid, 9 NA3077, PGIII		JP#5	
#4 Fuel Oil, 3 NA1993, PGIII		Paint Thinners, 3, UN1263, PGI		Jet A	
#6 Fuel Oil, 3, NA1993, PGIII		Ethylene Glycol, 9, UN3082, PGIII		Sludge	
Diesel, 3, NA1993, PGIII		Lube Oil		Petroleum Contaminated Water	
Flammable Liquids, NOS, 3, UN1993, PGI		Waste Oil		Other:	
Corrosive Liquids, NOS, 8, UN1760, PGII		Kerosene		Other:	
No. of Drums		No. of Tanks: <i>15,000 gal</i>	<i>1</i>	Other:	
Scale Weights (Soil): Total: (Tons)		Tare: (Tons)		Net: (Tons)	

Service Description: *Haul Empty Tank (15,000 gal) back to pump yard*

PLACARDS TENDERED: YES NO EMERGENCY CONTACT (410) 354-0200

Generator/Shipper Certification Statement

As the generator or shipper, I hereby certify that this material is properly classified and does not contain Polychlorinated Biphenyls (PCB'S). To the best of my knowledge it has not been mixed, combined or blended in any amount with any other material defined as hazardous waste under applicable law. Generator/Shipper agrees to indemnify and hold Petroleum Management, Inc. harmless for any damages arising from or in any way relating to a breach of this Certification Statement.

Generator/Shipper Authorized Agent (Print) *Tom Ruse* Date of Service *4/29/15*
 Generator/Shipper Authorized Agent Signature *[Signature]*

HAULER/CARRIER INFORMATION

Co. Name Petroleum Management, Inc.		Driver Name (print) <i>Joe Luzzo</i>	
Street 5218 Curtis Avenue		Driver Signature <i>[Signature]</i>	
City Baltimore	State MD	Zip 21226	Phone <i>(410) 354-0200</i>

The above mentioned materials have been received by this facility and will be handled in accordance with all applicable rules and regulations. All quantities are subject to final verification by this facility and are indicated in far right box.

RECEIVING FACILITY ACCEPTANCE

Facility Name: _____
 Acceptance Signature: *[Signature]*
 Phone: _____ Total Quantity Received: *15,000*

White - Original Yellow - Transporter Pink - Facility Gold - Customer



Petroleum Management, Inc.



Day: _____
Date: 4/30/15

Job Location: ROYAL FARMS
MOUNTAIN RD
JESPA MD

Contact: _____
Phone: _____

Bill To: ROYAL FARMS

Contact: _____
Phone: _____

JOB DESCRIPTION:

PICK UP A 20,000 LBS TANK & TAKE TO YARD FOR DISPOSAL

Title / Name	Equipment Type/ Number	Start Time	Stop Time	Total Hours
<u>JOE JUZZOLINO</u>	<u>TRK 2 ? LOWBOY</u>	<u>9:00</u>	<u>4:30</u>	

Materials:

Description	Quantity

SubContractors:

Disposal:

	Amount in Gallons	Manifest Number
Liquid Disposal		
Sludge Disposal		
Other		

Petroleum Management

Print Name: JOE JUZZOLINO
Signature: _____
Date: 4/30/15

Client

Print Name: STEVE SHAW
Signature: _____
Date: _____

APPENDIX D
NON-HAZARDOUS DISPOSAL MANIFESTS

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
329641

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number W5-3970	Description of Material	GROSS 39.71 T	GROSS
	Non-Regulated Petroleum Contaminated Soil	TARE 12.46 T	TARE
	Non DOT/RCRA Regulated	NET 27.25 T	NET
		10:22AM 04/30/2015	TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name LOJ Driver Name (Print) JENNAIR
 Address _____ Vehicle License No./State 2506N56MD
 Truck Number T17

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

J.T 4/30/15 J.T 4/30/15
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
329640

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number W5-3970	Description of Material	GROSS 40.20 T	GROSS
	Non-Regulated Petroleum Contaminated Soil	TARE 12.50 T	TARE
	Non DOT/RCRA Regulated	NET 27.60 T	NET
		10:22AM 04/30/2015	TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name T.OJ Driver Name (Print) [Signature]
 Address 340 Cedar Hwy Vehicle License No./State MD 256AD
PO Box 190 Truck Number 1-19

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4-30-15 [Signature] 4-30-15
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
69

329642

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	41.61 T	GROSS
TARE	12.24 T	TARE
NET	29.37 T	NET
		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOS Driver Name (Print) Wendell
 Address 3540 Crown Hwy Vehicle License No./State 226 F867
Bowie Md Truck Number 18

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

WR 4-30-15 WM 4-30-15
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
77

329643

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	35.51 T	GROSS
TARE	11.79 T	TARE
NET	23.72 T	NET
		TONNAGE

10:54AM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name T.O.J. Driver Name (Print) Thomas
 Address Bowie Md Vehicle License No./State 211 F819MD
 Truck Number E-3

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4-30-15 [Signature] 4-30-15
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
96

329644

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	<u>39.36 T</u>	GROSS
TARE	<u>11.99 T</u>	TARE
NET	<u>27.37 T</u>	NET
		TONNAGE

11:26AM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name I. O. J. Driver Name (Print) Tony
Address Bowie MD Vehicle License No./State 236 ED 89
Truck Number I-10

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

A. Onley 4/30/15 A. Onley 4/30/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
97

329645

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	<u>39.40 T</u>	GROSS
TARE	<u>12.10 T</u>	TARE
NET	<u>27.30 T</u>	NET
		TONNAGE

11:28AM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOS Driver Name (Print) J. Onley
Address Bowie MD Vehicle License No./State 236 ED 46
Truck Number I-6

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

A. Onley 4/30/15 A. Onley 4/30/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 112
 329646

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Jopps, MD 21638 Jopps, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
 W5-3970

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	41.04 T	GROSS
TARE	12.27 T	TARE
NET	28.77 T	NET
		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis Generator Authorized Agent Name
[Signature] Signature
4-30-15 Shipment Date

TRANSPORTER

Transporter Name I.O.S. Driver Name (Print) Michael
 Address _____ Vehicle License No./State 226 B 68 md
 Truck Number I-9

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] Driver Signature 4/30/15 Shipment Date
[Signature] Driver Signature 4/30/15 Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] Name of Authorized Agent 4/30/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 133
 329647

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Jopps, MD 21638 Jopps, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
 W5-3970

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	37.63 T	GROSS
TARE	12.80 T	TARE
NET	24.83 T	NET
		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis Generator Authorized Agent Name
[Signature] Signature
4-30-15 Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Mel Williams
 Address _____ Vehicle License No./State 464090
 Truck Number 178

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Mel Williams Driver Signature
[Signature] Driver Signature
4/30/15 Shipment Date 4/30/15 Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] Name of Authorized Agent 4/30/15 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 139

329648

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	34.98 T	GROSS
TARE	12.80 T	TARE
NET	22.18 T	NET
2:41PM 04/30/2015		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Jimbo
 Address _____ Vehicle License No./State E45627D
 Truck Number 83

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4/30 [Signature] 4/30
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 141

329649

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	36.57 T	GROSS
TARE	12.42 T	TARE
NET	23.95 T	NET
2:44PM 04/30/2015		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Trapp Driver Name (Print) Jeff Trapp
 Address Linthicum, MD Vehicle License No./State E45626D
 Truck Number 601

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Jeff Trapp 4/30/15 Jeff Trapp 4/30/15
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 181

329650

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	38.05 T	GROSS
TARE	12.50 T	TARE
NET	25.55 T	NET
		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOJ Driver Name (Print) R Banks
Address 2540 Crum Hwy Vehicle License No./State MD 256PDB
Joppa, MD Truck Number I-19

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4-30-15 [Signature] 4-30-15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 182

329651

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	40.28 T	GROSS
TARE	12.46 T	TARE
NET	27.82 T	NET
		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOJ Driver Name (Print) Jen Mair
Address _____ Vehicle License No./State 230 EN 56 MD
Truck Number I 19

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4/30/15 [Signature] 4/30/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
185

329653

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material	GROSS	TARE	NET	GROSS	TARE	NET	TONNAGE
Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS	38.93 T					
	TARE	12.24 T					
	NET	26.69 T					
02:14PM 04/30/2015							

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOS Driver Name (Print) Wardell
Address 3540 Crain Hwy Vehicle License No./State DD6 5867
Bowie Truck Number 28

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4-30-15 [Signature] 4-30-15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
191

329652

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material	GROSS	TARE	NET	GROSS	TARE	NET	TONNAGE
Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated	GROSS	36.68 T					
	TARE	11.79 T					
	NET	24.89 T					
02:30PM 04/30/2015							

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joseph Ellis [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name F.O.I. Driver Name (Print) Thomas
Address Bowie Md Vehicle License No./State 21ED19-MD
Truck Number T-3

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4-30-15 [Signature] 4-30-15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
209

329654

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
WS-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	37.60 T	GROSS
TARE	11.99 T	TARE
NET	25.61 T	NET
		TONNAGE

05-18PM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name T.O.J. Driver Name (Print) Tony
Address Bowie MD Vehicle License No./State 236ED89
Truck Number I-10

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

A. Only 4/30/15 A. Only 4/30/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
210

329655

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
WS-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	39.09 T	GROSS
TARE	12.10 T	TARE
NET	26.99 T	NET
		TONNAGE

05-18PM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name T.O.J. Driver Name (Print) J. Only
Address Bowie MD Vehicle License No./State 212 G1 96
Truck Number I-6

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

A. Only 4/30/15 A. Only 4/30/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
212

329656

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	38.98 T	GROSS
TARE	12.27 T	TARE
NET	26.71 T	NET
		TONNAGE

3:23PM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name P.O.J Driver Name (Print) michael
 Address _____ Vehicle License No./State 226 5 68
 Truck Number 2-9

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4/30/15 [Signature] 4/30/15
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
234

329657

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	34.99 T	GROSS
TARE	12.80 T	TARE
NET	22.19 T	NET
		TONNAGE

14:06PM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Jimbo
 Address _____ Vehicle License No./State 45 6270
 Truck Number 83

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 4/30 [Signature] 4/30
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
240329658

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number <u>W5-3970</u>	Description of Material	GROSS	37.42 T	GROSS
	Non-Regulated Petroleum Contaminated Soil	TARE	12.80 T	TARE
	Non DOT/RCRA Regulated	NET	24.62 T	NET
				TONNAGE

04:30PM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Mal Williams
 Address _____ Vehicle License No./State 40409D
 Truck Number 78

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] _____ [Signature] _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
24329659

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number <u>W5-3970</u>	Description of Material	GROSS	35.10 T	GROSS
	Non-Regulated Petroleum Contaminated Soil	TARE	12.42 T	TARE
	Non DOT/RCRA Regulated	NET	22.68 T	NET
				TONNAGE

04:32PM 04/30/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 4-30-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Jeff Trapp
 Address Linthicum, MD Vehicle License No./State EHS676D
 Truck Number 61

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] _____ [Signature] _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 4/30/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 185
 329660

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	37.13 T	GROSS
TARE	12.80 T	TARE
NET	24.33 T	NET
11:31AM 05/01/2015		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 5-1-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Mal William
 Address _____ Vehicle License No./State 404690
 Truck Number 78

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Mal William _____ Mal William _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 5/1/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 162
 329662

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
 Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
 Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	36.01 T	GROSS
TARE	112.42 T	TARE
NET	23.59 T	NET
12:23PM 05/01/2015		TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 5-1-15
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Jeff Trapp
 Address Linthicum, MD Vehicle License No./State E45L626D
 Truck Number 61

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Jeff Trapp _____ Jeff Trapp _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 5/1/15
 Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 163

329661

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Jopps, MD 21638 Jopps, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS 35.28 T
TARE 12.80 T
NET 22.48 T
GROSS TARE NET TONNAGE
12:24PM 05/01/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 5-1-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Jimbo
Address _____ Vehicle License No./State E45627D
Truck Number 83

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 5/1 [Signature] 5/1
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 5/1/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 298

329664

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Jopps, MD 21638 Jopps, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number
W5-3970

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS 37.76 T
TARE 12.42 T
NET 25.34 T
GROSS TARE NET TONNAGE
05:26PM 05/01/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 5-1-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Trapp Driver Name (Print) Jeff Trapp
Address Linthicum, MD Vehicle License No./State E45626D
Truck Number 601

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Jeff Trapp 5/1/15 Jeff Trapp 5/1/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 5/1/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 299
329665

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number	Description of Material	GROSS	GROSS
W5-3970	Non-Regulated Petroleum	36.20 T	TARE
	Contaminated Soil	12.80 T	NET
	Non DOT/RCRA Regulated	23.40 T	TONNAGE

15:30PM 05/01/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 5-1-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Jimbo
Address _____ Vehicle License No./State E45627D
Truck Number 83

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 5/1/15 [Signature] 5/1/15
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 5/1/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number 300
329663

Generator Name Royal Farms #001 Shipping Location Royal Farms #001
Address 2620 Mountain Road Address 2620 Mountain Road
Joppa, MD 21638 Joppa, MD 21638
Phone No. (410) 889-0200 Phone No. (410) 274-1621

Approval Number	Description of Material	GROSS	GROSS
W5-3970	Non-Regulated Petroleum	36.87 T	TARE
	Contaminated Soil	12.80 T	NET
	Non DOT/RCRA Regulated	24.07 T	TONNAGE

05:32PM 05/01/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JOSEPH ELLIS [Signature] 5-1-15
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TRAPP Driver Name (Print) Mel Williams
Address _____ Vehicle License No./State 46409D
Truck Number 78

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Mel Williams [Signature] [Signature]
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] 5/1/15
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

APPENDIX E
SITE PHOTOGRAPHS



Photograph 1: Removal of the diesel/kerosene UST.



Photograph 2: Removal of the gasoline UST.



Photograph 3: View of the UST removal excavation facing east.



Photograph 4: Removed UST piping in the area of the former dispenser islands prior to over-excavation. UST removal excavation is in background. View facing east.



Photograph 5: View of the new UST field prior to placement of the new USTs. View of the western portion of the Site facing west.



Photograph 6: NEW USTs in place.

APPENDIX F

**MDE TANK REMOVAL/ABANDONMENT FORM AND
NOTIFICATION FOR UNDERGROUND STORAGE TANKS**

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard, Suite 620 • Baltimore Maryland 21230-1719
(410) 537-3442 • 1-800-633-6101 • http:// www. mde. state. md. us

LAND MANAGEMENT ADMINISTRATION
Oil Control Program

Case #: **05-0357HA**
 INITIAL / FOLLOW-

UP

Tank Removal / Abandonment

Site Name: **ROYAL FARMS #1**
Address: **2620 Mountain Road, Joppa**

Date: **April 29-30, May 1, 2015**
Facility ID #: **3965**

1. (a) 2 Number of UST's removed (b) 0 Number of UST's abandoned-in-place (c) _____ Number of UST's remaining on-site.

Tank	Product	Age (years)	Size (gallons)	Tank Construction	Perforations		Piping Construction	Disposal Site
					Tank	Piping		
1a	Gasohol	1996	14000	Clad	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	FRP	Petroleum
1b	Gasohol	1996	6000	Clad	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	FRP	Management's
2a	Diesel	1996	11000	Clad	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	FRP	yard for cutting
2b	Kerosene	1996	4000	Clad	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	FRP	and scrapping
					Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
					Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		

2. Has an environmental assessment been completed? YES NO
3. Has piping been properly abandoned? YES NO UNKNOWN
4. Has vent risers been removed? YES NO
5. Has all liquid been removed from UST(s)? YES NO
6. Is explosion meter on site? YES NO
7. Have UST(s) been purged of explosive or combustible vapors? (must confirm less than 10% LEL with explosion meter) YES NO
8. Is groundwater contaminated? YES NO NOT DETECTABLE AT THIS TIME
9. Is soil contaminated? (if yes, type of product: gasoline) YES NO NOT DETECTABLE AT THIS TIME
10. Were contaminated soils removed? YES NO
(If YES, complete *Contaminated Soil Removal Form*; If NO, describe in item 18)
11. Was soil field screened? YES NO

Tank: max. units _____ at _____ Piping: max. units 0 at 6 inches below pea gravel trench fill

12. Are domestic well(s) on site? YES NO
Is sampling required? (If YES, list EPA method in item 14) YES NO
13. **ACTIONS REQUIRED, IMMEDIATELY, OF THE OWNER BY THIS ADMINISTRATION:**
 STOP OPERATIONS PUMP OUT LIQUIDS CONTAIN AND CLEAN UP SPILL
 OTHER: _____

14. **ACTIONS REQUIRED, WITHIN 45 DAYS, OF THE OWNER BY THIS ADMINISTRATION:**
 SUBMIT ALL TANK REMOVAL/ABANDONMENT DOCUMENTATION INCLUDING: UST Removal Report
 PROPERLY ABANDON PIPING IN COMPLIANCE WITH COMAR 26.10.10.02 B.(2) (removed unless otherwise directed)
 REMOVE VENT PIPE RISER (S)
 45 days of completing site redevelopment reinstall MONITORING WELL (S) REQUIRED IN PETROLEUM IMPACTED AREA (S)

DESCRIBED IN ITEM 18

COMPLETE AN ENVIRONMENTAL ASSESSMENT IN COMPLIANCE WITH COMAR 26.10._____(submit two copies)

SUBMIT SOIL ANALYTICAL RESULTS:

EPA METHOD: 8015B GRO/DRO 8021 (BTEX MTBE TBA) 8270 (SVOC'S) 8260 (VOC'S)

OTHER: _____

SUBMIT GROUNDWATER ANALYTICAL RESULTS:

EPA METHOD 8015B GRO/DRO 8021 (BTEX MTBE TBA) 8270 (SVOC'S) 8260 (VOC'S) 524.2 (VOC'S)

OTHER _____

SUBMIT SOIL DISPOSAL RECEIPT

SUBMIT TANK DISPOSAL RECEIPT

14. (continued)

- AMEND REGISTRATION: Notification form provided to contact person
 Owner/Representative informed case file may remain open until notification form is received by MDE
 Completed on site.

OTHER: Installation of two new 30,000-gallon USTs completed on April 30, 2015 in a new location on the property

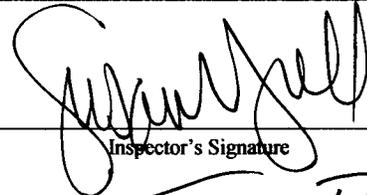
15. Has inspector completed: site sketch? YES NO site photographs? YES NO
16. Were tank(s) labeled? (If YES, describe: _____) YES NO
17. Is follow-up required by this Administration? YES NO

18. COMMENTS: April 29, 2015 - Prior to excavation of the tanks, petroleum impacted contact water was recovered from the tank field via vacuum truck (all water disposal receipts should be provided in the UST Removal Report). This writer witnessed the removal of tank number 2a/b. Heavy petroleum staining and odors were noted on the sidewalls of the excavation and on the pea gravel backfill. Excavation of petroleum impacted material is scheduled to begin on 4-30-15. Based upon the size and weight of tank number 1a/b, this tank will be removed tomorrow by the crane scheduled to be on-site. Following removal of Tank 2a/b, this writer witnessed the removal of all petroleum product and stage II piping. Trenches were uncovered. No dispenser containment pans were present at this location. As a result heavy petroleum staining was noted in the pea gravel under the diesel dispensers. Upon encountering the natural soils, minimal petroleum impacts were noted. Screening of these soils did not reveal any readings on the PID. This writer directed collection of soil samples 2 feet under each removed dispenser (in the natural soil) and 2 feet under each piping transition joint. All soil samples collect must be analyzed as outline on page 1.

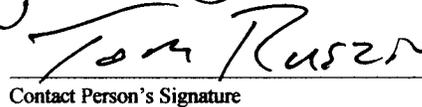
April 30, 2015 - On this date this writer witnessed the removal of tank no 1a/b. Excavation of petroleum impacted soils has been directed to include the removal of 1 to 2 bucket widths along each side wall and along the bottom. All pea gravel backfill is considered impacted and is to be removed for proper off-site disposal. Soil sampling is directed as follows: 5 samples from the bottom (1 from each corner and 1 in the middle); 1 sample from each side wall about 6 feet below ground surface; and 1 additional soil sample about 3 feet into the electrical conduit trench to ensure product did not migrate along this utility corridor. 20 truck loads of petroleum impacted soils were transported to Soil Safe today.

May 1, 2015 - An additional six truck loads of soils were transported today to Soil Safe and the post excavation soil samples were collected as previously directed.

Susan Bull
Inspector's Name

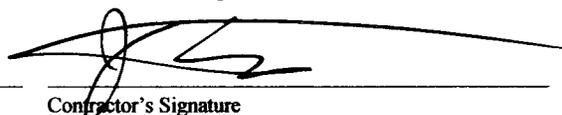

Inspector's Signature


Contact Person's Name (printed)


Contact Person's Signature

410.274.1621
Contact Person's Telephone No.

JOSEPH ELLIS
Contractor's Name (Printed)


Contractor's Signature

943-929-8908
Contractor's Telephone No.

Martin Siebert
Technician/Recover Name (printed)

MDIC-2014-0118(T)
Certification Number

April 1, 2016
Expiration Date

MARYLAND DEPARTMENT OF THE ENVIRONMENT
 1800 Washington Boulevard • Suite 620 • Baltimore, Maryland 21230-1719
 410-537-3442 • 800-633-6101 ext. 3442 • <http://www.mde.state.md.us>

Land Management Administration • Oil Control Program
NOTIFICATION FOR UNDERGROUND STORAGE TANKS

Return completed form to:

Maryland Department of the Environment
 Oil Control Program
 1800 Washington Boulevard, Suite 620
 Baltimore MD 21230-1719

Facility ID Number: 3965

Type Of Notification:

New Facility Amended Closure (mark one)

2 Number of tanks at facility

_____ Number of continuation sheets attached

State Use Only

Facility ID Number: _____

Alt ID Number: _____

Date Entered into Computer: _____

Data Clerk's Initials: _____

Owner Contacted to Clarify Response: _____

Comments: _____

I. OWNERSHIP INFORMATION:

Is this an Owner Name Change? ___ yes no

Owner Name: Two Farms, Inc.

Street Address: 3611 Roland Avenue

Baltimore MD 21211

City State Zip Code

County: City of Baltimore

Mailing Address (if different from above): _____

Telephone Number: 410-889-0200

Contact Person: Tom Ruszin

Fax: 410-889-2644 Email: truszin@roya1farms.com

Owner ID: _____

Type of Owner: (mark one)

<u>_____</u> Government	<u>_____</u> Commercial
<u>_____</u> Federal	<u>X</u> Corporation
<u>_____</u> State	<u>_____</u> Company
<u>_____</u> Local	<u>_____</u> Partnership
<u>_____</u>	<u>_____</u> Individual

Non-Commercial

_____ Residential

_____ Agricultural

_____ Non-Profit Agency

II. LOCATION OF TANKS:

Is this a Facility Name Change? ___ yes no

Facility Name or Company Site Identifier: Royal Farms #001

Street Address: 2620 Mountain Road

Joppa MD 21085 Harford

City State Zip Code County

Facility Water Supply (mark one): X Potable Well _____ Public Water System

Mailing Address (if different from above): _____

Facility Operator: Same as above Primary Phone Number: Same as above

III. TYPE OF FACILITY: (check one)

<input type="checkbox"/> Aircraft Owner	<input type="checkbox"/> Federal Military	<input type="checkbox"/> Petroleum Distributor
<input type="checkbox"/> Airline	<input type="checkbox"/> Federal Non-Military	<input type="checkbox"/> Railroad
<input type="checkbox"/> Apartment/Condo	<input type="checkbox"/> Fire/Rescue/Ambulance	<input type="checkbox"/> Residential
<input type="checkbox"/> Auto Dealership	<input checked="" type="checkbox"/> Gas Station	<input type="checkbox"/> State Government
<input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial	<input type="checkbox"/> Store
<input type="checkbox"/> Contractor	<input type="checkbox"/> Local Government	<input type="checkbox"/> Trucking/Transport
<input type="checkbox"/> Educational	<input type="checkbox"/> Marina	<input type="checkbox"/> Utilities
<input type="checkbox"/> Farm/Nursery	<input type="checkbox"/> Office	<input type="checkbox"/> Not Listed
<input type="checkbox"/> Other: _____		

IV. CONTACT PERSON IN CHARGE OF TANKS:

Name: Tom Ruszin Job Title: Env & Fuel Leader

Employer: Royal Farms

Mailing Address: 3611 Roland Avenue Baltimore, MD 21211

City State Zip

Phone Number: 410-889-0200 Fax Number: 410-889-2644

Email Address: truszin@royalfarms.com

V. FINANCIAL RESPONSIBILITY: (if applicable – see instructions)

Not Required For This Facility - heating oil for direct consumptive use only.

Policy #: UST G23878963 006 Period of Coverage: April 16, 2015 to April 16, 2016

Insurer: Illinois Union Insurance Company c/o ACE Environmental Risk

Agent/Broker: John Pierson Phone No.: 410-274-1695

Type of Financial Responsibility Used:

<input type="checkbox"/> Financial Test of Self Insurance	<input type="checkbox"/> Guarantee*	<input type="checkbox"/> Local Govt. Insurance Pool
<input checked="" type="checkbox"/> Third Party Insurance	<input type="checkbox"/> Surety Bond*	<input type="checkbox"/> Local Govt. Bond Rating Test
<input type="checkbox"/> Risk Retention Group	<input type="checkbox"/> Letter of Credit*	<input type="checkbox"/> Local Govt. Financial Test
<input type="checkbox"/> Trust Fund	<input type="checkbox"/> Standby Trust Fund	<input type="checkbox"/> Local Govt. Guarantee
<input type="checkbox"/> Other (specify) _____		

*requires Standby Trust Fund

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS: (complete for each tank at this facility)

Tank Identification Number	Tank No. 1A	Tank No. 1B	Tank No. 2A	Tank No. 2B	Tank No.
Alternate Tank ID Number	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank (mark only one)					
- Currently in Use					
- Temporarily Out of Use					
- Permanently Out of Use (Complete item 8)	X	X	X	X	
2. Date of Installation (month/year)	7/1996	7/1996	7/1996	7/1996	
3. Total Capacity (gallons)	20,000	20,000	15,000	15,000	
3A. Compartmentalized?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
Enter Compartment Gallons:	Tank "A" 14,000	Tank "B" 6,000	Tank "A" 11,000	Tank "B" 4,000	
3B. Manifolder?	YES NO	YES NO	YES NO	YES NO	YES NO
4. Tank Construction (mark all that apply)					
- Asphalt Coated or Bare Steel					
- Cathodically Protected Steel (Coating w/CP - Galvanic)					
- Cathodically Protected Steel (CP Steel - Impressed Current)					
- Composite Clad Steel (Steel w/FRP)	X	X	X	X	
- Fiberglass Reinforced Plastic (FRP)					
- Polyethylene Tank Jacket					
- Other (must describe)					
- Double-walled	No	No	No	No	
- Excavation Liner					
- Lined Interior					
- Lined Interior with Impressed Current					
- Has tank been repaired?	YES NO	YES NO	YES NO	YES NO	YES NO

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS: (complete for each tank at this facility)

Tank Identification Number	Tank No. 1A		Tank No. 1B		Tank No. 2A		Tank No. 2B		Tank No.	
Alternate Tank ID Number	Tank No.		Tank No.		Tank No.		Tank No.		Tank No.	
7. Substance Currently or Last Stored										
- Aviation Fuel										
- Bio-Diesel										
- Car Wash-Oil/Water Separator UST										
- Diesel					X					
- Ethanol (E-85)										
- Gasohol (E-10)	X		X							
- Gasoline										
- Hazardous Substance (specify):										
- Heating Oil #2										
- Heating Oil #4										
- Heating Oil #5										
- Heating Oil #6										
- Kerosene							X			
- Lube Oil										
- Methanol										
- Mixture (specify):										
- Used Oil										
- Other (must describe)										
7A. On-site consumptive use?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
7B. Emergency Generator?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
8. Closing of Tank										
- Estimated date last used (month/day/year)	1/28/15		1/28/15		1/28/15		1/28/15			
- Date Tank Closed (month/day/year)	4/30/15		4/30/15		4/29/15		4/29/15			
- Tank Removed From Ground?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
- Tank Filled with Inert Material?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
- If yes, inert material used.										
- Change in service to non-regulated substance?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
8A. Site Assessment Completed?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
8B. Assessment Report submitted to MDE?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS: (complete for each tank at this facility)

Tank Identification Number	Tank No. 1A		Tank No. 1B		Tank No. 2A		Tank No. 2B		Tank No.	
Alternate Tank ID Number	Tank No.		Tank No.		Tank No.		Tank No.		Tank No.	
9. Release Detection (see instructions)	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPING
9A. Tank – Mark One Primary (P) and All Secondary (S) Methods										
- Manual Tank Gauging										
- Tank Tightness Testing (See Instructions)										
- ATG 0.2 gph Test										
- Inventory/Statistical Inventory Reconciliation (SIR)										
- Groundwater Monitoring										
- Interstitial Monitoring Double-Walled Tank										
- Other Method Approved by MDE (must specify)										
9B. Piping – Mark One Primary (P) and All Secondary (S) Methods										
- Interstitial Monitoring Double-Walled Piping										
- Electronic ALLD Testing (0.1 or 0.2 gph)										
- Annual Line Tightness Testing (Pressurized)										
- 2-year Line Tightness Testing (U.S. Suction)										
- Inventory/Statistical Inventory Reconciliation (SIR)										
- Other Method Approved by MDE (must specify)										
10. Spill and Overfill Protection										
10A. Overfill Device Installed? (if yes, select one below)	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
> Flapper Valve (FV)										
> Ball Float Valve (BFV)										
> High Level Alarm (HLA)										
> Other (must describe)										
10B. Spill Catch Basin Fill Pipe? (5 gallon minimum)	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
11. Stage I Vapor Recovery?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
12. Stage II Vapor Recovery?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

VII. UNDERGROUND STORAGE TANK (UST) TECHNICIAN CERTIFICATION OF COMPLIANCE:
(Complete for all new installed, replaced, and upgraded underground storage systems at this location)

I certify, under penalty of law, that I am certified by the State of Maryland as an UST Technician, that I am in good standing as a certified Technician with the State, and that I am familiar with the UST regulatory requirements in COMAR 26.10.02—26.10.11. I further certify, under penalty of law that, based upon my personal inspection and/or work upon the UST system(s) at the Facility identified on this Notification Form, the UST system(s) is/are in compliance with the requirements of COMAR 26.10.02—26.10.11.

Installer: _____
Print Name Signature Date

MDIC: _____
State Identification Number Expiration Date Company

Penalties for False Statements: Any person who makes any false statement, representation, or certification herein is subject to criminal penalties of a fine and imprisonment and to civil monetary penalties, pursuant to §4-417 of the Environment Article of the Annotated Code of Maryland.

VIII. OWNER CERTIFICATION: (to be completed by owner or owner's representative)

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Notification Form and all attached documents, and that the information provided is true, accurate, and complete. I further certify, under penalty of law, that I have met the financial responsibility (FR) requirements in accordance with applicable federal and State laws (40CFR Part 280 Subpart H; §4-409(b) of the Environment Article; and COMAR 26.10.11) and that I can provide documentation thereof to the Maryland Department of the Environment upon its request, or that I am not required to meet the FR requirements because the UST system stores heating oil for direct consumptive use only.

Name (print / type): Thomas E. Ruszin III Title: Environmental & Fuel Manager

Signature:  Date: 7/22/15

Penalties for False Statements: Any person who makes any false statement, representation, or certification herein is subject to criminal penalties of a fine and imprisonment and to civil monetary penalties, pursuant to §4-417 of the Environment Article of the Annotated Code of Maryland.

APPENDIX G

**LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY
DOCUMENTATION**

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

Project: **RF-001**

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Report Issued: 05/06/15 15:43

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Jessup MD, 20794

CLIENT SAMPLE ID:	D-1	D-2	D-3	D-4	PR-1	PR-2
LAB SAMPLE ID:	5050121-01	5050121-02	5050121-03	5050121-04	5050121-05	5050121-06
SAMPLE DATE:	04/29/15	04/30/15	04/30/15	04/29/15	04/30/15	04/30/15
RECEIVED DATE:	05/01/15	05/01/15	05/01/15	05/01/15	05/01/15	05/01/15
MATRIX	Units	Soil	Soil	Soil	Soil	Soil

VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (Soil)

	D-1	D-2	D-3	D-4	PR-1	PR-2
Acetone	ug/kg dry 41.2	34.0	<11.8	<11.2	18.2	<11.6
tert-Amyl alcohol (TAA)	ug/kg dry <58.8	<58.1	<58.8	<56.2	<58.8	<58.1
tert-Amyl methyl ether (TAME)	ug/kg dry 2.6 [2]	<2.3	<2.4	<2.2	<2.4	<2.3
Benzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Bromobenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Bromochloromethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Bromodichloromethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Bromoform	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Bromomethane	ug/kg dry <5.9	<5.8	<5.9	<5.6	<5.9	<5.8
tert-Butanol (TBA)	ug/kg dry 880	301	<58.8	<56.2	426	1240 [1]
2-Butanone (MEK)	ug/kg dry <11.8	<11.6	<11.8	<11.2	<11.8	<11.6
n-Butylbenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
sec-Butylbenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
tert-Butylbenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Carbon disulfide	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Carbon tetrachloride	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Chlorobenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Chloroethane	ug/kg dry <5.9	<5.8	<5.9	<5.6	<5.9	<5.8
Chloroform	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Chloromethane	ug/kg dry <5.9	<5.8	<5.9	<5.6	<5.9	<5.8
2-Chlorotoluene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
4-Chlorotoluene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2-Dibromo-3-chloropropane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Dibromochloromethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2-Dibromoethane (EDB)	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Dibromomethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2-Dichlorobenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,3-Dichlorobenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,4-Dichlorobenzene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Dichlorodifluoromethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1-Dichloroethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2-Dichloroethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1-Dichloroethene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
cis-1,2-Dichloroethene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
trans-1,2-Dichloroethene	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Dichlorofluoromethane	ug/kg dry <2.4	<2.3	<2.4	<2.2	<2.4	<2.3

1 = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

2 = Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

Project: **RF-001**

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 05/06/15 15:43

Jessup MD, 20794

CLIENT SAMPLE ID:	D-1	D-2	D-3	D-4	PR-1	PR-2
LAB SAMPLE ID:	5050121-01	5050121-02	5050121-03	5050121-04	5050121-05	5050121-06
SAMPLE DATE:	04/29/15	04/30/15	04/30/15	04/29/15	04/30/15	04/30/15
RECEIVED DATE:	05/01/15	05/01/15	05/01/15	05/01/15	05/01/15	05/01/15
MATRIX	Units	Soil	Soil	Soil	Soil	Soil

VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)

1,2-Dichloropropane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,3-Dichloropropane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
2,2-Dichloropropane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1-Dichloropropene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
cis-1,3-Dichloropropene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
trans-1,3-Dichloropropene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Diisopropyl ether (DIPE)	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Ethyl tert-butyl ether (ETBE)	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Ethylbenzene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Hexachlorobutadiene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
2-Hexanone	ug/kg dry	<11.8	<11.6	<11.8	<11.2	<11.8	<11.6
Isopropylbenzene (Cumene)	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
4-Isopropyltoluene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Methyl tert-butyl ether (MTBE)	ug/kg dry	169	20.5	3.6 [2]	<2.2	162	475 [1]
4-Methyl-2-pentanone	ug/kg dry	<11.8	<11.6	<11.8	<11.2	<11.8	<11.6
Methylene chloride	ug/kg dry	<11.8	<11.6	<11.8	<11.2	<11.8	<11.6
Naphthalene	ug/kg dry	<2.4	<2.3	2.7 [2]	<2.2	<2.4	<2.3
n-Propylbenzene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Styrene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1,1,2-Tetrachloroethane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1,2,2-Tetrachloroethane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Tetrachloroethene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Toluene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2,3-Trichlorobenzene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2,4-Trichlorobenzene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1,1-Trichloroethane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,1,2-Trichloroethane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Trichloroethene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Trichlorofluoromethane (Freon 11)	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2,3-Trichloropropane	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2,4-Trimethylbenzene	ug/kg dry	<2.4	<2.3	2.9 [2]	<2.2	<2.4	<2.3
1,3,5-Trimethylbenzene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
Vinyl chloride	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
o-Xylene	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
m- & p-Xylenes	ug/kg dry	<2.4	<2.3	<2.4	<2.2	<2.4	<2.3
1,2-Dichloroethane-d4	[surr]	106%	105%	109%	110%	109%	110%

1 = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

2 = Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 05/06/15 15:43

Jessup MD, 20794

CLIENT SAMPLE ID:	D-1	D-2	D-3	D-4	PR-1	PR-2
LAB SAMPLE ID:	5050121-01	5050121-02	5050121-03	5050121-04	5050121-05	5050121-06
SAMPLE DATE:	04/29/15	04/30/15	04/30/15	04/29/15	04/30/15	04/30/15
RECEIVED DATE:	05/01/15	05/01/15	05/01/15	05/01/15	05/01/15	05/01/15
MATRIX	Units	Soil	Soil	Soil	Soil	Soil

VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)

Toluene-d8	[surr]	<u>98.3%</u>	<u>94.8%</u>	<u>95.4%</u>	<u>94.9%</u>	<u>96.4%</u>	<u>95.8%</u>
4-Bromofluorobenzene	[surr]	<u>86.1%</u>	<u>83.3%</u>	<u>85.2%</u>	<u>88.6%</u>	<u>90.1%</u>	<u>86.3%</u>

GASOLINE RANGE ORGANICS BY EPA 5030/8015B (Soil)

Gasoline-Range Organics	mg/kg dry	<u>0.13</u>	<0.12	<0.12	<0.11	<u>0.18</u>	<u>0.56</u>
a,a,a-Trifluorotoluene	[surr]	<u>97.8%</u>	<u>98.0%</u>	<u>98.2%</u>	<u>97.8%</u>	<u>98.1%</u>	<u>97.8%</u>

DIESEL RANGE ORGANICS BY EPA 3540/8015B (Soil)

Diesel-Range Organics	mg/kg dry	<9.4	<9.3	<9.4	<9.0	<9.4	<9.3
o-Terphenyl	[surr]	<u>86.2%</u>	<u>82.3%</u>	<u>82.4%</u>	<u>80.6%</u>	<u>82.9%</u>	<u>100%</u>

PERCENT SOLIDS (Soil)

Percent Solids	%	<u>85</u>	<u>86</u>	<u>85</u>	<u>89</u>	<u>85</u>	<u>86</u>
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2 = Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 05/06/15 15:43

Jessup MD, 20794

CLIENT SAMPLE ID:	D-K	KPR
LAB SAMPLE ID:	5050121-07	5050121-08
SAMPLE DATE:	04/29/15	04/29/15
RECEIVED DATE:	05/01/15	05/01/15
MATRIX	Units	Soil

VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (Soil)

Compound	Units	D-K	KPR
Acetone	ug/kg dry	<11.9	<11.8
tert-Amyl alcohol (TAA)	ug/kg dry	<59.5	<58.8
tert-Amyl methyl ether (TAME)	ug/kg dry	<2.4	<2.4
Benzene	ug/kg dry	<2.4	<2.4
Bromobenzene	ug/kg dry	<2.4	<2.4
Bromochloromethane	ug/kg dry	<2.4	<2.4
Bromodichloromethane	ug/kg dry	<2.4	<2.4
Bromoform	ug/kg dry	<2.4	<2.4
Bromomethane	ug/kg dry	<6.0	<5.9
tert-Butanol (TBA)	ug/kg dry	<59.5	<58.8
2-Butanone (MEK)	ug/kg dry	<11.9	<11.8
n-Butylbenzene	ug/kg dry	<2.4	<2.4
sec-Butylbenzene	ug/kg dry	<2.4	<2.4
tert-Butylbenzene	ug/kg dry	<2.4	<2.4
Carbon disulfide	ug/kg dry	<2.4	<2.4
Carbon tetrachloride	ug/kg dry	<2.4	<2.4
Chlorobenzene	ug/kg dry	<2.4	<2.4
Chloroethane	ug/kg dry	<6.0	<5.9
Chloroform	ug/kg dry	<2.4	<2.4
Chloromethane	ug/kg dry	<6.0	<5.9
2-Chlorotoluene	ug/kg dry	<2.4	<2.4
4-Chlorotoluene	ug/kg dry	<2.4	<2.4
1,2-Dibromo-3-chloropropane	ug/kg dry	<2.4	<2.4
Dibromochloromethane	ug/kg dry	<2.4	<2.4
1,2-Dibromoethane (EDB)	ug/kg dry	<2.4	<2.4
Dibromomethane	ug/kg dry	<2.4	<2.4
1,2-Dichlorobenzene	ug/kg dry	<2.4	<2.4
1,3-Dichlorobenzene	ug/kg dry	<2.4	<2.4
1,4-Dichlorobenzene	ug/kg dry	<2.4	<2.4
Dichlorodifluoromethane	ug/kg dry	<2.4	<2.4
1,1-Dichloroethane	ug/kg dry	<2.4	<2.4
1,2-Dichloroethane	ug/kg dry	<2.4	<2.4
1,1-Dichloroethene	ug/kg dry	<2.4	<2.4
cis-1,2-Dichloroethene	ug/kg dry	<2.4	<2.4
trans-1,2-Dichloroethene	ug/kg dry	<2.4	<2.4
Dichlorofluoromethane	ug/kg dry	<2.4	<2.4

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
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www.mdspectral.com
VELAP ID 460040

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Report Issued: 05/06/15 15:43

Jessup MD, 20794

CLIENT SAMPLE ID:	D-K	KPR
LAB SAMPLE ID:	5050121-07	5050121-08
SAMPLE DATE:	04/29/15	04/29/15
RECEIVED DATE:	05/01/15	05/01/15
MATRIX	Units	Soil

VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)

1,2-Dichloropropane	ug/kg dry	<2.4	<2.4
1,3-Dichloropropane	ug/kg dry	<2.4	<2.4
2,2-Dichloropropane	ug/kg dry	<2.4	<2.4
1,1-Dichloropropene	ug/kg dry	<2.4	<2.4
cis-1,3-Dichloropropene	ug/kg dry	<2.4	<2.4
trans-1,3-Dichloropropene	ug/kg dry	<2.4	<2.4
Diisopropyl ether (DIPE)	ug/kg dry	<2.4	<2.4
Ethyl tert-butyl ether (ETBE)	ug/kg dry	<2.4	<2.4
Ethylbenzene	ug/kg dry	<2.4	<2.4
Hexachlorobutadiene	ug/kg dry	<2.4	<2.4
2-Hexanone	ug/kg dry	<11.9	<11.8
Isopropylbenzene (Cumene)	ug/kg dry	<2.4	<2.4
4-Isopropyltoluene	ug/kg dry	<2.4	<2.4
Methyl tert-butyl ether (MTBE)	ug/kg dry	<2.4	<2.4
4-Methyl-2-pentanone	ug/kg dry	<11.9	<11.8
Methylene chloride	ug/kg dry	<11.9	<11.8
Naphthalene	ug/kg dry	<2.4	<2.4
n-Propylbenzene	ug/kg dry	<2.4	<2.4
Styrene	ug/kg dry	<2.4	<2.4
1,1,1,2-Tetrachloroethane	ug/kg dry	<2.4	<2.4
1,1,2,2-Tetrachloroethane	ug/kg dry	<2.4	<2.4
Tetrachloroethene	ug/kg dry	<2.4	<2.4
Toluene	ug/kg dry	<2.4	<2.4
1,2,3-Trichlorobenzene	ug/kg dry	<2.4	<2.4
1,2,4-Trichlorobenzene	ug/kg dry	<2.4	<2.4
1,1,1-Trichloroethane	ug/kg dry	<2.4	<2.4
1,1,2-Trichloroethane	ug/kg dry	<2.4	<2.4
Trichloroethene	ug/kg dry	<2.4	<2.4
Trichlorofluoromethane (Freon 11)	ug/kg dry	<2.4	<2.4
1,2,3-Trichloropropane	ug/kg dry	<2.4	<2.4
1,2,4-Trimethylbenzene	ug/kg dry	<2.4	<2.4
1,3,5-Trimethylbenzene	ug/kg dry	<2.4	<2.4
Vinyl chloride	ug/kg dry	<2.4	<2.4
o-Xylene	ug/kg dry	<2.4	<2.4
m- & p-Xylenes	ug/kg dry	<2.4	<2.4
1,2-Dichloroethane-d4	[surr]	<u>111%</u>	<u>112%</u>

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Report Issued: 05/06/15 15:43

Advantage Environmental Consultants, LLC

8610 Baltimore Washington Blvd, Suite 217

Jessup MD, 20794

CLIENT SAMPLE ID:	D-K	KPR
LAB SAMPLE ID:	5050121-07	5050121-08
SAMPLE DATE:	04/29/15	04/29/15
RECEIVED DATE:	05/01/15	05/01/15
MATRIX	Units	Soil

VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)

Toluene-d8	[surr]	<u>93.8%</u>	<u>95.3%</u>
4-Bromofluorobenzene	[surr]	<u>84.1%</u>	<u>87.6%</u>

GASOLINE RANGE ORGANICS BY EPA 5030/8015B (Soil)

Gasoline-Range Organics	mg/kg dry	<0.12	<0.12
a,a,a-Trifluorotoluene	[surr]	<u>97.8%</u>	<u>98.1%</u>

DIESEL RANGE ORGANICS BY EPA 3540/8015B (Soil)

Diesel-Range Organics	mg/kg dry	<9.5	<9.4
o-Terphenyl	[surr]	<u>90.2%</u>	<u>80.0%</u>

PERCENT SOLIDS (Soil)

Percent Solids	%	<u>84</u>	<u>85</u>
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1 = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

2 = Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
 1500 Caton Center Drive, Suite G
 Baltimore, MD 21227
 410-247-7600 • Fax 410-247-7602
 labman@mdspectral.com

Matrix Codes: NW (nonpotable water)
 PW (potable water)

Preservative: 1+1 Field pH, Residual Chlorine, QC
 HCL, H₂SO₄, Methanol, Request, Trip
 Na₂S₂O₃, NaHCO₃ Blank, Field Blank

MSS Lab ID

5050121-01
 -02
 -03
 -04
 -05
 -06
 -07
 -08

Analysis Requested

TPH & Vol/Pro Sols
 VOCs 4200

No. of Containers

Project Manager: J. Stein
 Project ID: 05-056-001
 P.O. Number: 05-056-001

Field Sample ID

Date	Time	Water	Soil	Other
4-27-15	14:25	X		
4-30-15	13:30	X		
4-30-15	13:00	X		
4-29-15	14:35	X		
4-30-15	14:00	X		
4-30-15	13:45	X		
4-29-15	9:55	X		
4-29-15	10:00	X		

D-1
 D-2
 D-3
 D-4
 PR-1
 PR-2
 D-K
 KPR

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

(Printed)

(Printed)

(Printed)

(Printed)

Received by Lab: (Signature)

(Printed)

Lab Use:

Temp: 5.9 °C

- Received on Ice
- Received same day
- Preservation Appropriate

Sample Disposal:

- Return to Client
- Disposal by lab
- Archive for ___ days

Turn Around Time:

- Normal (7 day)
- 5 day
- 4 day
- 3 day
- Rush (2 day)
- Next Day
- Other: ___
- Specific Due Date: ___

Special Instructions/QC Requirements & Comments:

Results for TRUSZINK ROYALTY AEM 5.1.com
 J STEIN @ AEC-EN
 T ELLIS
 J S HEIDY

Delivery Method:

- Courier
- Client
- UPS
- FedEx
- USPS
- Other: ___

07 May 2015

Jeffery Stein
Advantage Environmental Consultants, LLC
8610 Baltimore Washington Blvd, Suite 217
Jessup, MD 20794
RE: RF-001

Enclosed are the results of analyses for samples received by the laboratory on 05/01/15 15:23.

Maryland Spectral Services, Inc. is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory. Certification status for analytes included in this report will be provided upon request.

Please visit our website at www.mdspectral.com for a complete listing of our NELAP accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Will Brewington".

Will Brewington
Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T1-1		5050122-01	Soil	05/01/15 10:45	05/01/15 15:23
T1-2		5050122-02	Soil	05/01/15 14:25	05/01/15 15:23
M-1		5050122-03	Soil	05/01/15 11:00	05/01/15 15:23
T2-1		5050122-04	Soil	05/01/15 11:10	05/01/15 15:23
T2-2		5050122-05	Soil	05/01/15 11:20	05/01/15 15:23
SW-1		5050122-06	Soil	05/01/15 10:40	05/01/15 15:23
SW-2		5050122-07	Soil	05/01/15 11:15	05/01/15 15:23
SW-3		5050122-08	Soil	05/01/15 14:40	05/01/15 15:23
SW-4		5050122-09	Soil	05/01/15 10:50	05/01/15 15:23
EP-1		5050122-10	Soil	05/01/15 14:35	05/01/15 15:23



Will Brewington, Staff Chemist

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T1-1

5050122-01 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	12.3	12.3	1	05/05/15	05/05/15 16:51	WB
tert-Amyl alcohol (TAA)	97.1		ug/kg dry	61.7	61.7	1	05/05/15	05/05/15 16:51	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Benzene	21.2		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Bromobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Bromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Bromodichloromethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Bromoform	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Bromomethane	ND		ug/kg dry	6.2	6.2	1	05/05/15	05/05/15 16:51	WB
tert-Butanol (TBA)	1520	E	ug/kg dry	61.7	61.7	1	05/05/15	05/05/15 16:51	WB
2-Butanone (MEK)	ND		ug/kg dry	12.3	12.3	1	05/05/15	05/05/15 16:51	WB
n-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
sec-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
tert-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Carbon disulfide	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Carbon tetrachloride	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Chlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Chloroethane	ND		ug/kg dry	6.2	6.2	1	05/05/15	05/05/15 16:51	WB
Chloroform	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Chloromethane	ND		ug/kg dry	6.2	6.2	1	05/05/15	05/05/15 16:51	WB
2-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
4-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Dibromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Dibromomethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,3-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,4-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Dichlorodifluoromethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T1-1

5050122-01 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Dichlorofluoromethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,3-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
2,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Diisopropyl ether (DIPE)	3.5	J	ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Ethylbenzene	221		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Hexachlorobutadiene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
2-Hexanone	ND		ug/kg dry	12.3	12.3	1	05/05/15	05/05/15 16:51	WB
Isopropylbenzene (Cumene)	9.2		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
4-Isopropyltoluene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Methyl tert-butyl ether (MTBE)	56.7		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
4-Methyl-2-pentanone	ND		ug/kg dry	12.3	12.3	1	05/05/15	05/05/15 16:51	WB
Methylene chloride	ND		ug/kg dry	12.3	12.3	1	05/05/15	05/05/15 16:51	WB
Naphthalene	28.2		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
n-Propylbenzene	18.4		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Styrene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Tetrachloroethene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Toluene	36.6		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1,1-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,1,2-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Trichloroethene	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2,3-Trichloropropane	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
1,2,4-Trimethylbenzene	191		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T1-1

5050122-01 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,3,5-Trimethylbenzene	33.0		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Vinyl chloride	ND		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
o-Xylene	50.5		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
m- & p-Xylenes	385		ug/kg dry	6.2	2.5	1	05/05/15	05/05/15 16:51	WB
Surrogate: 1,2-Dichloroethane-d4		80-120		106 %	05/05/15		05/05/15 16:51		
Surrogate: Toluene-d8		81-117		95 %	05/05/15		05/05/15 16:51		
Surrogate: 4-Bromofluorobenzene		74-121		97 %	05/05/15		05/05/15 16:51		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	0.94		mg/kg dry	0.12	0.12	1	05/06/15	05/06/15 14:30	ECM
Surrogate: a,a,a-Trifluorotoluene		85-115		98 %	05/06/15		05/06/15 14:30		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	9.9	9.9	1	05/04/15	05/05/15 19:23	CMK
Surrogate: o-Terphenyl		70-130		77 %	05/04/15		05/05/15 19:23		
PERCENT SOLIDS									
Percent Solids	81		%			1	05/04/15	05/05/15 09:52	ECM

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T1-2

5050122-02 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 17:24	WB
tert-Amyl alcohol (TAA)	73.4		ug/kg dry	59.5	59.5	1	05/05/15	05/05/15 17:24	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Benzene	12.0		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Bromobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Bromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Bromodichloromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Bromoform	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Bromomethane	ND		ug/kg dry	6.0	6.0	1	05/05/15	05/05/15 17:24	WB
tert-Butanol (TBA)	1880	E	ug/kg dry	59.5	59.5	1	05/05/15	05/05/15 17:24	WB
2-Butanone (MEK)	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 17:24	WB
n-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
sec-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
tert-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Carbon disulfide	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Carbon tetrachloride	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Chlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Chloroethane	ND		ug/kg dry	6.0	6.0	1	05/05/15	05/05/15 17:24	WB
Chloroform	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Chloromethane	ND		ug/kg dry	6.0	6.0	1	05/05/15	05/05/15 17:24	WB
2-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
4-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Dibromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Dibromomethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,3-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,4-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Dichlorodifluoromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T1-2

5050122-02 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Dichlorofluoromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,3-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
2,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Diisopropyl ether (DIPE)	4.3	J	ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Ethylbenzene	92.7		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Hexachlorobutadiene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
2-Hexanone	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 17:24	WB
Isopropylbenzene (Cumene)	3.8	J	ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
4-Isopropyltoluene	12.7		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Methyl tert-butyl ether (MTBE)	347	E	ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
4-Methyl-2-pentanone	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 17:24	WB
Methylene chloride	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 17:24	WB
Naphthalene	16.5		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
n-Propylbenzene	8.7		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Styrene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Tetrachloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Toluene	98.2		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1,1-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,1,2-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Trichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2,3-Trichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
1,2,4-Trimethylbenzene	90.0		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T1-2

5050122-02 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,3,5-Trimethylbenzene	18.3		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Vinyl chloride	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
o-Xylene	81.0		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
m- & p-Xylenes	208		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 17:24	WB
Surrogate: 1,2-Dichloroethane-d4		80-120		107 %	05/05/15		05/05/15 17:24		
Surrogate: Toluene-d8		81-117		96 %	05/05/15		05/05/15 17:24		
Surrogate: 4-Bromofluorobenzene		74-121		94 %	05/05/15		05/05/15 17:24		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	0.80		mg/kg dry	0.12	0.12	1	05/06/15	05/06/15 15:06	ECM
Surrogate: a,a,a-Trifluorotoluene		85-115		98 %	05/06/15		05/06/15 15:06		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	9.5	9.5	1	05/04/15	05/05/15 19:50	CMK
Surrogate: o-Terphenyl		70-130		75 %	05/04/15		05/05/15 19:50		
PERCENT SOLIDS									
Percent Solids	84		%			1	05/04/15	05/05/15 09:52	ECM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

M-1

5050122-03 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 17:56	WB
tert-Amyl alcohol (TAA)	72.1		ug/kg dry	64.1	64.1	1	05/05/15	05/05/15 17:56	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Benzene	14.2		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Bromobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Bromochloromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Bromodichloromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Bromoform	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Bromomethane	ND		ug/kg dry	6.4	6.4	1	05/05/15	05/05/15 17:56	WB
tert-Butanol (TBA)	2000	E	ug/kg dry	64.1	64.1	1	05/05/15	05/05/15 17:56	WB
2-Butanone (MEK)	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 17:56	WB
n-Butylbenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
sec-Butylbenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
tert-Butylbenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Carbon disulfide	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Carbon tetrachloride	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Chlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Chloroethane	ND		ug/kg dry	6.4	6.4	1	05/05/15	05/05/15 17:56	WB
Chloroform	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Chloromethane	ND		ug/kg dry	6.4	6.4	1	05/05/15	05/05/15 17:56	WB
2-Chlorotoluene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
4-Chlorotoluene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Dibromochloromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Dibromomethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2-Dichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,3-Dichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,4-Dichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Dichlorodifluoromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1-Dichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2-Dichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1-Dichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

M-1

5050122-03 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Dichlorofluoromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2-Dichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,3-Dichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
2,2-Dichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1-Dichloropropene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Diisopropyl ether (DIPE)	4.1	J	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Ethylbenzene	81.7		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Hexachlorobutadiene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
2-Hexanone	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 17:56	WB
Isopropylbenzene (Cumene)	2.8	J	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
4-Isopropyltoluene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Methyl tert-butyl ether (MTBE)	247		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
4-Methyl-2-pentanone	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 17:56	WB
Methylene chloride	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 17:56	WB
Naphthalene	10.9		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
n-Propylbenzene	5.6	J	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Styrene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Tetrachloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Toluene	116		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1,1-Trichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,1,2-Trichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Trichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2,3-Trichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
1,2,4-Trimethylbenzene	61.2		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

M-1

5050122-03 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,3,5-Trimethylbenzene	13.9		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
Vinyl chloride	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
o-Xylene	78.1		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
m- & p-Xylenes	196		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 17:56	WB
<i>Surrogate: 1,2-Dichloroethane-d4</i>		80-120		109 %	05/05/15		05/05/15 17:56		
<i>Surrogate: Toluene-d8</i>		81-117		95 %	05/05/15		05/05/15 17:56		
<i>Surrogate: 4-Bromofluorobenzene</i>		74-121		92 %	05/05/15		05/05/15 17:56		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	0.89		mg/kg dry	0.13	0.13	1	05/06/15	05/06/15 15:43	ECM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		85-115		98 %	05/06/15		05/06/15 15:43		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	10.3	10.3	1	05/04/15	05/05/15 20:17	CMK
<i>Surrogate: o-Terphenyl</i>		70-130		75 %	05/04/15		05/05/15 20:17		
PERCENT SOLIDS									
Percent Solids	78		%			1	05/04/15	05/05/15 09:52	ECM

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T2-1

5050122-04 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 18:29	WB
tert-Amyl alcohol (TAA)	ND		ug/kg dry	64.1	64.1	1	05/05/15	05/05/15 18:29	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Benzene	28.1		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Bromobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Bromochloromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Bromodichloromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Bromoform	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Bromomethane	ND		ug/kg dry	6.4	6.4	1	05/05/15	05/05/15 18:29	WB
tert-Butanol (TBA)	255		ug/kg dry	64.1	64.1	1	05/05/15	05/05/15 18:29	WB
2-Butanone (MEK)	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 18:29	WB
n-Butylbenzene	13.1		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
sec-Butylbenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
tert-Butylbenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Carbon disulfide	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Carbon tetrachloride	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Chlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Chloroethane	ND		ug/kg dry	6.4	6.4	1	05/05/15	05/05/15 18:29	WB
Chloroform	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Chloromethane	ND		ug/kg dry	6.4	6.4	1	05/05/15	05/05/15 18:29	WB
2-Chlorotoluene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
4-Chlorotoluene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Dibromochloromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Dibromomethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2-Dichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,3-Dichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,4-Dichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Dichlorodifluoromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1-Dichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2-Dichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1-Dichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T2-1

5050122-04 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Dichlorofluoromethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2-Dichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,3-Dichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
2,2-Dichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1-Dichloropropene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Ethylbenzene	416	E	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Hexachlorobutadiene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
2-Hexanone	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 18:29	WB
Isopropylbenzene (Cumene)	34.2		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
4-Isopropyltoluene	4.8	J	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Methyl tert-butyl ether (MTBE)	110		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
4-Methyl-2-pentanone	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 18:29	WB
Methylene chloride	ND		ug/kg dry	12.8	12.8	1	05/05/15	05/05/15 18:29	WB
Naphthalene	39.6		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
n-Propylbenzene	82.2		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Styrene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Tetrachloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Toluene	257	E	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1,1-Trichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,1,2-Trichloroethane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Trichloroethene	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2,3-Trichloropropane	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
1,2,4-Trimethylbenzene	529	E	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T2-1

5050122-04 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,3,5-Trimethylbenzene	142		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Vinyl chloride	ND		ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
o-Xylene	320	E	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
m- & p-Xylenes	896	E	ug/kg dry	6.4	2.6	1	05/05/15	05/05/15 18:29	WB
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %	05/05/15		05/05/15 18:29		
Surrogate: Toluene-d8			81-117	96 %	05/05/15		05/05/15 18:29		
Surrogate: 4-Bromofluorobenzene			74-121	96 %	05/05/15		05/05/15 18:29		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	4.05		mg/kg dry	0.64	0.64	5	05/06/15	05/06/15 16:19	ECM
Surrogate: a,a,a-Trifluorotoluene			85-115	98 %	05/06/15		05/06/15 16:19		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	10.3	10.3	1	05/04/15	05/05/15 20:45	CMK
Surrogate: o-Terphenyl			70-130	78 %	05/04/15		05/05/15 20:45		
PERCENT SOLIDS									
Percent Solids	78		%			1	05/04/15	05/05/15 09:52	ECM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T2-2

5050122-05 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	12.7	12.7	1	05/05/15	05/05/15 19:01	WB
tert-Amyl alcohol (TAA)	87.0		ug/kg dry	63.3	63.3	1	05/05/15	05/05/15 19:01	WB
tert-Amyl methyl ether (TAME)	3.0	J	ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Benzene	16.9		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Bromobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Bromochloromethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Bromodichloromethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Bromoform	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Bromomethane	ND		ug/kg dry	6.3	6.3	1	05/05/15	05/05/15 19:01	WB
tert-Butanol (TBA)	2420	E	ug/kg dry	63.3	63.3	1	05/05/15	05/05/15 19:01	WB
2-Butanone (MEK)	ND		ug/kg dry	12.7	12.7	1	05/05/15	05/05/15 19:01	WB
n-Butylbenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
sec-Butylbenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
tert-Butylbenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Carbon disulfide	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Carbon tetrachloride	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Chlorobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Chloroethane	ND		ug/kg dry	6.3	6.3	1	05/05/15	05/05/15 19:01	WB
Chloroform	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Chloromethane	ND		ug/kg dry	6.3	6.3	1	05/05/15	05/05/15 19:01	WB
2-Chlorotoluene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
4-Chlorotoluene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Dibromochloromethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Dibromomethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2-Dichlorobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,3-Dichlorobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,4-Dichlorobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Dichlorodifluoromethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1-Dichloroethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2-Dichloroethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1-Dichloroethene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T2-2

5050122-05 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Dichlorofluoromethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2-Dichloropropane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,3-Dichloropropane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
2,2-Dichloropropane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1-Dichloropropene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Diisopropyl ether (DIPE)	6.2	J	ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Ethylbenzene	88.7		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Hexachlorobutadiene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
2-Hexanone	ND		ug/kg dry	12.7	12.7	1	05/05/15	05/05/15 19:01	WB
Isopropylbenzene (Cumene)	2.7	J	ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
4-Isopropyltoluene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Methyl tert-butyl ether (MTBE)	502	E	ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
4-Methyl-2-pentanone	ND		ug/kg dry	12.7	12.7	1	05/05/15	05/05/15 19:01	WB
Methylene chloride	ND		ug/kg dry	12.7	12.7	1	05/05/15	05/05/15 19:01	WB
Naphthalene	11.3		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
n-Propylbenzene	5.1	J	ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Styrene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Tetrachloroethene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Toluene	102		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1,1-Trichloroethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,1,2-Trichloroethane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Trichloroethene	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2,3-Trichloropropane	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
1,2,4-Trimethylbenzene	63.6		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

T2-2

5050122-05 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,3,5-Trimethylbenzene	13.3		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Vinyl chloride	ND		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
o-Xylene	65.9		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
m- & p-Xylenes	188		ug/kg dry	6.3	2.5	1	05/05/15	05/05/15 19:01	WB
Surrogate: 1,2-Dichloroethane-d4		80-120		108 %	05/05/15		05/05/15 19:01		
Surrogate: Toluene-d8		81-117		95 %	05/05/15		05/05/15 19:01		
Surrogate: 4-Bromofluorobenzene		74-121		94 %	05/05/15		05/05/15 19:01		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	0.93		mg/kg dry	0.13	0.13	1	05/06/15	05/06/15 16:55	ECM
Surrogate: a,a,a-Trifluorotoluene		85-115		98 %	05/06/15		05/06/15 16:55		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	10.1	10.1	1	05/04/15	05/05/15 21:12	CMK
Surrogate: o-Terphenyl		70-130		80 %	05/04/15		05/05/15 21:12		
PERCENT SOLIDS									
Percent Solids	79		%			1	05/04/15	05/05/15 09:52	ECM

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-1

5050122-06 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 19:34	WB
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.8	58.8	1	05/05/15	05/05/15 19:34	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Benzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Bromobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Bromochloromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Bromodichloromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Bromoform	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Bromomethane	ND		ug/kg dry	5.9	5.9	1	05/05/15	05/05/15 19:34	WB
tert-Butanol (TBA)	ND		ug/kg dry	58.8	58.8	1	05/05/15	05/05/15 19:34	WB
2-Butanone (MEK)	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 19:34	WB
n-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
sec-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
tert-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Carbon disulfide	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Carbon tetrachloride	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Chlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Chloroethane	ND		ug/kg dry	5.9	5.9	1	05/05/15	05/05/15 19:34	WB
Chloroform	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Chloromethane	ND		ug/kg dry	5.9	5.9	1	05/05/15	05/05/15 19:34	WB
2-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
4-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Dibromochloromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Dibromomethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,3-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,4-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Dichlorodifluoromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-1

5050122-06 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Dichlorofluoromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,3-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
2,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Ethylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Hexachlorobutadiene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
2-Hexanone	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 19:34	WB
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
4-Isopropyltoluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
4-Methyl-2-pentanone	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 19:34	WB
Methylene chloride	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 19:34	WB
Naphthalene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
n-Propylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Styrene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Tetrachloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Toluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1,1-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,1,2-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Trichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,2,3-Trichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-1

5050122-06 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
1,3,5-Trimethylbenzene	2.9	J	ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
Vinyl chloride	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
o-Xylene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
m- & p-Xylenes	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 19:34	WB
<i>Surrogate: 1,2-Dichloroethane-d4</i>			80-120	107 %	05/05/15		05/05/15 19:34		
<i>Surrogate: Toluene-d8</i>			81-117	95 %	05/05/15		05/05/15 19:34		
<i>Surrogate: 4-Bromofluorobenzene</i>			74-121	86 %	05/05/15		05/05/15 19:34		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/06/15	05/06/15 17:32	ECM
<i>Surrogate: a,a,a-Trifluorotoluene</i>			85-115	97 %	05/06/15		05/06/15 17:32		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	13.7		mg/kg dry	9.4	9.4	1	05/04/15	05/05/15 21:39	CMK
<i>Surrogate: o-Terphenyl</i>			70-130	89 %	05/04/15		05/05/15 21:39		
PERCENT SOLIDS									
Percent Solids	85		%			1	05/04/15	05/05/15 09:52	ECM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-2

5050122-07 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	44.3		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 20:07	WB
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.8	58.8	1	05/05/15	05/05/15 20:07	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Benzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Bromobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Bromochloromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Bromodichloromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Bromoform	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Bromomethane	ND		ug/kg dry	5.9	5.9	1	05/05/15	05/05/15 20:07	WB
tert-Butanol (TBA)	1650	E	ug/kg dry	58.8	58.8	1	05/05/15	05/05/15 20:07	WB
2-Butanone (MEK)	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 20:07	WB
n-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
sec-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
tert-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Carbon disulfide	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Carbon tetrachloride	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Chlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Chloroethane	ND		ug/kg dry	5.9	5.9	1	05/05/15	05/05/15 20:07	WB
Chloroform	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Chloromethane	ND		ug/kg dry	5.9	5.9	1	05/05/15	05/05/15 20:07	WB
2-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
4-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Dibromochloromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Dibromomethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,3-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,4-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Dichlorodifluoromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-2

5050122-07 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Dichlorofluoromethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,3-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
2,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Ethylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Hexachlorobutadiene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
2-Hexanone	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 20:07	WB
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
4-Isopropyltoluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Methyl tert-butyl ether (MTBE)	57.5		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
4-Methyl-2-pentanone	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 20:07	WB
Methylene chloride	ND		ug/kg dry	11.8	11.8	1	05/05/15	05/05/15 20:07	WB
Naphthalene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
n-Propylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Styrene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Tetrachloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Toluene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1,1-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,1,2-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Trichloroethene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,2,3-Trichloropropane	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-2

5050122-07 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Vinyl chloride	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
o-Xylene	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
m- & p-Xylenes	ND		ug/kg dry	5.9	2.4	1	05/05/15	05/05/15 20:07	WB
Surrogate: 1,2-Dichloroethane-d4			80-120	101 %	05/05/15		05/05/15 20:07		
Surrogate: Toluene-d8			81-117	95 %	05/05/15		05/05/15 20:07		
Surrogate: 4-Bromofluorobenzene			74-121	88 %	05/05/15		05/05/15 20:07		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/06/15	05/06/15 18:08	ECM
Surrogate: a,a,a-Trifluorotoluene			85-115	99 %	05/06/15		05/06/15 18:08		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	9.4	9.4	1	05/04/15	05/05/15 22:07	CMK
Surrogate: o-Terphenyl			70-130	84 %	05/04/15		05/05/15 22:07		
PERCENT SOLIDS									
Percent Solids	85		%			1	05/04/15	05/05/15 09:52	ECM

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-3

5050122-08 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	25.5		ug/kg dry	10.6	10.6	1	05/05/15	05/05/15 20:39	WB
tert-Amyl alcohol (TAA)	ND		ug/kg dry	53.2	53.2	1	05/05/15	05/05/15 20:39	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Benzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Bromobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Bromochloromethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Bromodichloromethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Bromoform	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Bromomethane	ND		ug/kg dry	5.3	5.3	1	05/05/15	05/05/15 20:39	WB
tert-Butanol (TBA)	ND		ug/kg dry	53.2	53.2	1	05/05/15	05/05/15 20:39	WB
2-Butanone (MEK)	ND		ug/kg dry	10.6	10.6	1	05/05/15	05/05/15 20:39	WB
n-Butylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
sec-Butylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
tert-Butylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Carbon disulfide	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Carbon tetrachloride	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Chlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Chloroethane	ND		ug/kg dry	5.3	5.3	1	05/05/15	05/05/15 20:39	WB
Chloroform	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Chloromethane	ND		ug/kg dry	5.3	5.3	1	05/05/15	05/05/15 20:39	WB
2-Chlorotoluene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
4-Chlorotoluene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Dibromochloromethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Dibromomethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2-Dichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,3-Dichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,4-Dichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Dichlorodifluoromethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1-Dichloroethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2-Dichloroethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1-Dichloroethene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-3

5050122-08 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Dichlorofluoromethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2-Dichloropropane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,3-Dichloropropane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
2,2-Dichloropropane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1-Dichloropropene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Ethylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Hexachlorobutadiene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
2-Hexanone	ND		ug/kg dry	10.6	10.6	1	05/05/15	05/05/15 20:39	WB
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
4-Isopropyltoluene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
4-Methyl-2-pentanone	ND		ug/kg dry	10.6	10.6	1	05/05/15	05/05/15 20:39	WB
Methylene chloride	ND		ug/kg dry	10.6	10.6	1	05/05/15	05/05/15 20:39	WB
Naphthalene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
n-Propylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Styrene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Tetrachloroethene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Toluene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1,1-Trichloroethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,1,2-Trichloroethane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Trichloroethene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,2,3-Trichloropropane	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-3

5050122-08 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
Vinyl chloride	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
o-Xylene	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
m- & p-Xylenes	ND		ug/kg dry	5.3	2.1	1	05/05/15	05/05/15 20:39	WB
<i>Surrogate: 1,2-Dichloroethane-d4</i>			80-120	108 %	05/05/15		05/05/15 20:39		
<i>Surrogate: Toluene-d8</i>			81-117	94 %	05/05/15		05/05/15 20:39		
<i>Surrogate: 4-Bromofluorobenzene</i>			74-121	88 %	05/05/15		05/05/15 20:39		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/06/15	05/06/15 18:44	ECM
<i>Surrogate: a,a,a-Trifluorotoluene</i>			85-115	98 %	05/06/15		05/06/15 18:44		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	8.5	8.5	1	05/04/15	05/05/15 22:34	CMK
<i>Surrogate: o-Terphenyl</i>			70-130	86 %	05/04/15		05/05/15 22:34		
PERCENT SOLIDS									
Percent Solids	94		%			1	05/04/15	05/05/15 09:52	ECM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-4

5050122-09 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND		ug/kg dry	11.6	11.6	1	05/05/15	05/05/15 21:12	WB
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.1	58.1	1	05/05/15	05/05/15 21:12	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Benzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Bromobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Bromochloromethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Bromodichloromethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Bromoform	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Bromomethane	ND		ug/kg dry	5.8	5.8	1	05/05/15	05/05/15 21:12	WB
tert-Butanol (TBA)	355		ug/kg dry	58.1	58.1	1	05/05/15	05/05/15 21:12	WB
2-Butanone (MEK)	ND		ug/kg dry	11.6	11.6	1	05/05/15	05/05/15 21:12	WB
n-Butylbenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
sec-Butylbenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
tert-Butylbenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Carbon disulfide	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Carbon tetrachloride	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Chlorobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Chloroethane	ND		ug/kg dry	5.8	5.8	1	05/05/15	05/05/15 21:12	WB
Chloroform	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Chloromethane	ND		ug/kg dry	5.8	5.8	1	05/05/15	05/05/15 21:12	WB
2-Chlorotoluene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
4-Chlorotoluene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Dibromochloromethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Dibromomethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2-Dichlorobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,3-Dichlorobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,4-Dichlorobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Dichlorodifluoromethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1-Dichloroethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2-Dichloroethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1-Dichloroethene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-4

5050122-09 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Dichlorofluoromethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2-Dichloropropane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,3-Dichloropropane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
2,2-Dichloropropane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1-Dichloropropene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Ethylbenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Hexachlorobutadiene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
2-Hexanone	ND		ug/kg dry	11.6	11.6	1	05/05/15	05/05/15 21:12	WB
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
4-Isopropyltoluene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Methyl tert-butyl ether (MTBE)	73.3		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
4-Methyl-2-pentanone	ND		ug/kg dry	11.6	11.6	1	05/05/15	05/05/15 21:12	WB
Methylene chloride	ND		ug/kg dry	11.6	11.6	1	05/05/15	05/05/15 21:12	WB
Naphthalene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
n-Propylbenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Styrene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Tetrachloroethene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Toluene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1,1-Trichloroethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,1,2-Trichloroethane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Trichloroethene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,2,3-Trichloropropane	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

SW-4

5050122-09 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	4.3	J	ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Vinyl chloride	ND		ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
o-Xylene	2.9	J	ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
m- & p-Xylenes	4.8	J	ug/kg dry	5.8	2.3	1	05/05/15	05/05/15 21:12	WB
Surrogate: 1,2-Dichloroethane-d4			80-120	115 %	05/05/15		05/05/15 21:12		
Surrogate: Toluene-d8			81-117	95 %	05/05/15		05/05/15 21:12		
Surrogate: 4-Bromofluorobenzene			74-121	88 %	05/05/15		05/05/15 21:12		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/06/15	05/06/15 19:21	ECM
Surrogate: a,a,a-Trifluorotoluene			85-115	98 %	05/06/15		05/06/15 19:21		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	9.3	9.3	1	05/04/15	05/05/15 23:01	CMK
Surrogate: o-Terphenyl			70-130	87 %	05/04/15		05/05/15 23:01		
PERCENT SOLIDS									
Percent Solids	86		%			1	05/04/15	05/05/15 09:52	ECM

Will Brewington, Staff Chemist

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Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

EP-1

5050122-10 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	23.8		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 21:45	WB
tert-Amyl alcohol (TAA)	ND		ug/kg dry	59.5	59.5	1	05/05/15	05/05/15 21:45	WB
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Benzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Bromobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Bromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Bromodichloromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Bromoform	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Bromomethane	ND		ug/kg dry	6.0	6.0	1	05/05/15	05/05/15 21:45	WB
tert-Butanol (TBA)	ND		ug/kg dry	59.5	59.5	1	05/05/15	05/05/15 21:45	WB
2-Butanone (MEK)	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 21:45	WB
n-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
sec-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
tert-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Carbon disulfide	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Carbon tetrachloride	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Chlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Chloroethane	ND		ug/kg dry	6.0	6.0	1	05/05/15	05/05/15 21:45	WB
Chloroform	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Chloromethane	ND		ug/kg dry	6.0	6.0	1	05/05/15	05/05/15 21:45	WB
2-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
4-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Dibromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Dibromomethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,3-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,4-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Dichlorodifluoromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

EP-1

5050122-10 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
trans-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Dichlorofluoromethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,3-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
2,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
cis-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
trans-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Ethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Hexachlorobutadiene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
2-Hexanone	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 21:45	WB
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
4-Isopropyltoluene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Methyl tert-butyl ether (MTBE)	2.5	J	ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
4-Methyl-2-pentanone	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 21:45	WB
Methylene chloride	ND		ug/kg dry	11.9	11.9	1	05/05/15	05/05/15 21:45	WB
Naphthalene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
n-Propylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Styrene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Tetrachloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Toluene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1,1-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,1,2-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Trichloroethene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,2,3-Trichloropropane	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Reported:

05/07/15 15:10

EP-1

5050122-10 (Soil)

Sample Date: 05/01/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Vinyl chloride	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
o-Xylene	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
m- & p-Xylenes	ND		ug/kg dry	6.0	2.4	1	05/05/15	05/05/15 21:45	WB
Surrogate: 1,2-Dichloroethane-d4			80-120	108 %	05/05/15		05/05/15 21:45		
Surrogate: Toluene-d8			81-117	97 %	05/05/15		05/05/15 21:45		
Surrogate: 4-Bromofluorobenzene			74-121	86 %	05/05/15		05/05/15 21:45		
GASOLINE RANGE ORGANICS BY EPA 5030/8015B									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/06/15	05/06/15 19:57	ECM
Surrogate: a,a,a-Trifluorotoluene			85-115	98 %	05/06/15		05/06/15 19:57		
DIESEL RANGE ORGANICS BY EPA 3540/8015B									
Diesel-Range Organics	ND		mg/kg dry	9.5	9.5	1	05/04/15	05/05/15 23:29	CMK
Surrogate: o-Terphenyl			70-130	79 %	05/04/15		05/05/15 23:29		
PERCENT SOLIDS									
Percent Solids	84		%			1	05/04/15	05/05/15 09:52	ECM

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Will Brewington, Staff Chemist

Analytical Results

Project: RF-001

Project Number: 05-056 RF-01

Project Manager: Jeffery Stein

Notes and Definitions

- L Analyte is a possible laboratory contaminant
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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Will Brewington, Staff Chemist

CHAIN-OF-CUSTODY RECORD

Analysis Requested

Project Manager:

Company Name:

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 • Fax 410-247-7602
labman@mdspectral.com

J. Stein

AEC

Matrix Codes: NW (nonpotable water)
PW (potable water)

Project ID: 05-0526-001
P.O. Number: 05-0526-001

Project Name: RFO01
Sampler(s): T. Ellis

Preservative: 1+1
HCL, H₂SO₄,
Methanol,
Na₂S₂O₃, NaHCO₃

Date

Field Sample ID

Field pH, Residual
Chlorine, QC
Request, Trip
Blank, Field Blank

Time

MSS Lab ID

MSS Lab ID

Water

Soil

Other

No. of Containers

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Received by: (Signature)

Lab Use:

Turn Around Time:

Delivery Method:

Temp: 7.0 °C
 Received on Ice
 Received same day
 Preservation Appropriate

Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
Other: _____
Specific Due Date: _____

Courier
 Client
 UPS
 FedEx
 USPS
 Other:

Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for _____ days

Special Instructions/QC Requirements & Comments:
Results to TRUSZING ROYAL PARKS
J. STEIN @ CAEC.ENU
J. STEIN @ " " "
J. STEIN @ " " "

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Received by: (Signature)

Lab Use:

Turn Around Time:

Delivery Method:

Temp: 7.0 °C
 Received on Ice
 Received same day
 Preservation Appropriate

Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
Other: _____
Specific Due Date: _____

Courier
 Client
 UPS
 FedEx
 USPS
 Other:

Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for _____ days

Special Instructions/QC Requirements & Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Received by: (Signature)

Lab Use:

Turn Around Time:

Delivery Method:

Temp: 7.0 °C
 Received on Ice
 Received same day
 Preservation Appropriate

Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
Other: _____
Specific Due Date: _____

Courier
 Client
 UPS
 FedEx
 USPS
 Other:

Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for _____ days

Special Instructions/QC Requirements & Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Received by: (Signature)

Lab Use:

Turn Around Time:

Delivery Method:

Temp: 7.0 °C
 Received on Ice
 Received same day
 Preservation Appropriate

Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
Other: _____
Specific Due Date: _____

Courier
 Client
 UPS
 FedEx
 USPS
 Other:

Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for _____ days

Special Instructions/QC Requirements & Comments:

Relinquished by: (Signature)