

Rebound Evaluation Soil Investigation Gasoline Fueling Station – Royal Farms #64 7950 Pulaski Highway Baltimore, Maryland 21237

MDE Case No. 10-0339-BA MDE Facility No. 3975

AEC Project Number: 05-056 RF64

Prepared for:

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

And

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

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ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC

Rebound Evaluation Soil Investigation

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Title: Senior Project Manager **Date:** November 20, 2017

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Date: November 20, 2017

INTRODUCTION

This Soil Investigation was performed for the Royal Farms Gasoline Fueling Station No. 64 located at 7950 Pulaski Highway in Rosedale, Maryland 21237(herein referred to as the "Site") and the adjoining 1205 Chesaco Avenue property. It should be noted that Royal Farms/Two Farms, Inc. has acquired the 1205 Chesaco Avenue property and the former residential structure has been razed.

Upon discovery of the release at this Site, a subsurface investigation was performed by AEC between January 22 and January 28, 2010. The effort described herein focuses on the area of greatest impact observed during the January 2010 investigation.

This investigation was performed to satisfy certain requirements set forth in the AEC's Revised Corrective Action Plan (CAP) Addendum, dated March 28, 2013, and revised June 27, 2013; AEC's Rebound Study Soil Investigation Work Plan, dated August 28, 2015; AECs Rebound Evaluation Soil Investigation Work Plan, dated April 3, 2017; and, the Maryland Department of the Environment (MDE) Work Plan Approval letter, dated July 18, 2017. The purpose of this investigation was to characterize post-remediation subsurface conditions at the Site with respect to pre-remediation soil conditions.

DESCRIPTION OF INVESTIGATIVE METHODS

Soil Boring Advancement

On September 11 and 12, 2017 AEC and drilling subcontractor Ground Zero Environmental Field Services of Fredericksburg, Virginia mobilized to the Site to perform soil borings in locations where samples from AEC's January 2010 Emergency Investigation showed concentrations of fuel constituents above MDE Soil Standards (B-2, B-5, B-6, B-8, and B-13, as well as three additional borings selected by the MDE (MDE-1, MDE-2, and MDE-3). It should be noted that B-13 and all three of the borings selected by the MDE were located on the 1205 Chesaco Avenue portion of the Site. Figure 1 of Attachment A shows the locations of the 24 borings advanced as part of the January 2010 Emergency Investigation and the additional MDE borings.

The borings were advanced using a truck-mounted hydraulic direct-push drilling rig to depths of approximately 20-feet below ground surface (bgs). Prior to arriving at the Site and between each soil boring, all hand augers, core barrels, cutting shoes, probe rods, tips, sleeves, pushrods, samplers, tools, and other down hole equipment were washed using a water rinse. Fuel, lubricants, and other similar substances were handled in a manner consistent with accepted safety procedures and standard operating practices. A private utility locator was contracted to clear all boring locations.

An AEC Field Geologist logged the geologic conditions of each borings and field screened soil cores for volatile organic compounds (VOCs) using a photoionization detector (PID). Soil samples were collected from each boring for laboratory analysis. A grab soil sample was collected from the areas exhibiting the highest PID reading and the same depths of the 2010 investigation (with the exception of boring B-2). Following

the collection of the grab samples, a composite sample was collected from the smear zone at each boring location. The smear zone for each boring location was determined based on the gauging results taken from the nearest monitoring well since the shutdown of the DPE remediation system. In the MDE borings, soil samples were collected only from the depth of the highest PID reading and from within the smear zone.

The soil samples were transported under standard chain of custody procedures to Maryland Spectral Services of Baltimore, Maryland for analysis for total petroleum hydrocarbons (TPH) diesel range organics (DRO) and TPH gasoline range organics (GRO) using Environmental Protection Agency (EPA) Analytical Method 8015B, and VOCs plus oxygenates via EPA Analytical Method 8260/5035.

Installation of Temporary Piezometers

AEC converted all of the soil borings into temporary piezometers. The depths of the piezometers ranged from approximately 12.5 feet bgs on the 1205 Chesaco Avenue portion of the Site to approximately 19 feet bgs on the 7950 Pulaski Highway portion of the Site. All borings were advanced using two-inch diameter geoprobe sampling rods.

The temporary piezometers were constructed of one-inch diameter, PVC screen and riser. Screen and riser lengths varied based on the depth of the boring and the estimated water table depth. A sand filter pack was placed to approximately two feet above the screened interval. An approximate two-feet-thick bentonite seal was installed above the sand pack and the well was then grouted to the surface. The PVC well heads were then secured with a bolt-down manhole cover. The piezometers were developed by Ground Zero Environmental Field Services, a Maryland-licensed Master Well Driller one week after installation. The piezometer construction details are included on the boring logs included in Attachment C.

Investigation Derived Waste Management

Soil generated from this investigation was containerized at the Site. Groundwater generated during development of the temporary piezometers was treated with a mobile granular activated carbon (GAC) unit and discharged to the ground surface. Upon completion of the groundwater gauging activities, the piezometers were abandoned on October 25, 2017 by Carl Hugo, a Maryland-licensed Master Well Driller.

RESULTS AND FINDINGS

Soil Screening Results

PID response above 0.0 parts per million (PPM) was observed in seven of the eight borings performed. The greatest PID response was observed in borings B-2 and B-8. The greatest PID reading in B-2 was 1,088 PPM at 20 feet bgs. The greatest PID reading in B-8 was 1,324 PPM at 13 feet bgs. PID response in B-8 was limited to the 12 to 17 feet bgs depth interval. PID response logged from the soil borings are shown in the borings logs included as Attachment C.

Groundwater Gauging Results

Static groundwater was measured at depths within the temporary piezometers ranging from approximately 5 feet bgs in boring B-13 to approximately 13 feet bgs in boring B-5. The temporary piezometers were gauged on a weekly basis for four weeks (September 19, September 26, October 3, and October 10, 2017) following installation. No liquid petroleum hydrocarbons (LPH) were detected in any of the piezometers.

Laboratory Analytical Results

The results of the soil sample laboratory analyses identified no BTEX, MTBE, naphthalene, TPH DRO, or TPH GRO concentrations above their respective laboratory detection limits in 5 of the 19 samples submitted for laboratory analysis (B-2 @ 14', B-5 @ 12', MDE-2 @ 15', MDE-2 @ 5-7', and MDE-3 @ 6-9').

Detectable concentrations of total benzene, ethylbenzene, toluene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), naphthalene, TPH DRO, and/or TPH GRO were identified in the remaining samples. Detectable concentrations of benzene ranged from an estimated concentration of 2.0 micrograms per kilogram (ug/kg) to 79.1 ug/kg. Detectable concentrations of toluene ranged from 4.5 ug/kg to 8,460 ug/kg. Detectable concentrations of ethylbenzene ranged from 10 ug/kg to 15,100 ug/kg. Detectable concentrations of total xylenes ranged from 8.5 ug/kg to 51,500 ug/kg. Detectable concentrations of MTBE ranged from an estimated concentration of 2.5 ug/kg to 6.8 ug/kg. Detectable concentrations of naphthalene ranged from 2.75 ug/kg to 8,030 ug/kg. Detectable concentrations of TPH GRO were identified and ranged from 0.10 milligram per kilogram (mg/kg) to 397 mg/kg. Detectable concentrations of TPH DRO were identified and ranged from 11.8 mg/kg to 157 mg/kg.

BTEX, MTBE, naphthalene, TPH DRO and TPH GRO concentrations from B-2, B-5, B-6, B-8, and B-13, as well as three additional borings selected by the MDE (MDE-1, MDE-2, and MDE-3), for both the 2010 and 2017 investigations are illustrated on Figure 2 in Attachment A. Table 1 in Attachment B summarizes the results of both the 2010 and 2017 investigations compared to their associated soil remediation goals (i.e. Non-Residential Soil Standards from MDE's Generic Numeric Cleanup Standards for Groundwater and Soil - Interim Final Guidance Update No. 2.1 - June 2008). All of the detected BTEX, MTBE, naphthalene, TPH GRO, and TPH DRO concentrations were less than their respective soil remediation goals.

Full laboratory analytical results and chain of custody documentation is included as Attachment D.

Discussion of Findings

Based on the laboratory analytical results for this Subsurface Investigation, some residual petroleum impact remains at the Site; however, the soil remediation goals set forth for soil in AEC's CAP Addendum, dated March 28, 2013, and revised June 27,

2013; AEC's Rebound Study Soil Investigation Work Plan, dated August 28, 2015; AECs Rebound Evaluation Soil Investigation Work Plan, dated April 3, 2017; and, the MDE Work Plan Approval letter dated July 18, 2017 have been met.

Extensive groundwater quality testing at the Site has shown that neither concentration spikes nor migration of petroleum constituents is occurring. Results from the February 17, 2017 Rebound Evaluation Completion Report show that the rebound evaluation has met the criteria set in the Rebound Evaluation Work Plan – Revised, dated March 28, 2013 and revised June 27, 2013.

MARYLAND ENVIRONMENTAL ASSESSMENT TECHNOLOGY ASSESSMENT

The MDE OCP produced the Maryland Environmental Assessment Technology (MEAT) for Leaking Underground Storage Tanks (LUSTs) document (2010) to provide guidance in the event of a release of a hazardous substance from regulated UST systems. According to the MEAT document, the OCP requires the potential risk be measured at every facility that has a reported release in order to establish cleanup goals and to determine if remediation is necessary. The OCP evaluates risk by a "Seven Risk Factor" process. The seven factors that require consideration include LPH, Current and Future Use of Impacted Groundwater, Migration of Contamination, Human Exposure, Environmental Ecological Exposure, Impact to Utilities and Other Buried Services, and Other Sensitive Receptors. The following sections of this report state each of the seven risk factors, and presents AEC's evaluation of each factor as it pertains to the Site.

Liquid Phase Hydrocarbons

"LPH refers to a regulated substance that is present as a non-aqueous phase liquid. When LPH is found on-site, the liquid product must be removed to the maximum extent possible. OCP has determined this to be sheen. (MEAT for LUSTs, 2010)."

Measurable LPH has not been detected within any of the monitoring or recovery wells since December 6, 2013.

Current and Future Use of Impacted Groundwater

"If the groundwater impacted by the release is used for direct consumption within a half mile of the site or the site is located within an approved wellhead protection zone, a site assessment and CAP must be designed. Other uses of groundwater that would warrant remediation include industrial, agricultural, and surface water augmentation. If known, future use of the groundwater must be taken into consideration. If site-specific future use is unsure, regional trends must be considered. Generally, if future use is not clear, a more conservative approach to cleanup is applied (MEAT for LUSTs, 2010)."

A potable well survey has not been completed for the Site and vicinity; however, based on the heavily developed nature of the Site and vicinity, as well as direct observation of properties adjoining the Site, no potable wells are anticipated to exist within ½ mile of the Site. Furthermore, the Site and surrounding area are served by municipal water.

Migration of Contamination

"The ability of contamination to migrate off-site or to migrate to a receptor is a critical measure. If it can be demonstrated that the contamination is stationary and site conditions restrict the potential for migration, the need for cleanup may be reduced (MEAT for LUSTs, 2010)."

Initial subsurface investigations following the release indicated that petroleum constituents migrated away from the release point across the northern and eastern boundaries of the 7950 Pulaski Highway portion of the Site. This was demonstrated by the existence of LPH and dissolved phase petroleum constituents detected in several wells and piezometers on the adjoining parcels (e.g., 1205 Chesaco Avenue).

Extensive groundwater quality testing since the release, summarized in quarterly progress reports and AECs Rebound Evaluation Completion Report, dated February 17, 2017, has shown that neither concentration spikes nor migration of petroleum constituents is occurring.

Human Exposure

"Any exposure to the public warrants site corrective action. There are several exposure pathways that must be considered. These pathways include but are not limited to inhalation, ingestion, and dermal contact (MEAT for LUSTs, 2003)."

Soil

Direct dermal contact with or ingestion of impacted soil is improbable due the depth of the impacted soil and extensive impervious cover at the 7950 Pulaski Highway portion of the Site and the controlled access to the 1205 Chesaco Avenue portion of the Site.

Groundwater

Ingestion of impacted groundwater is improbable as discussed above. Extensive groundwater quality testing at the Site has shown that neither concentration spikes nor migration of petroleum constituents is occurring. Results from the February 17, 2017 Rebound Evaluation Completion Report show that the rebound evaluation has met the criteria set in the Rebound Evaluation Work Plan – Revised, dated March 28, 2013 and revised June 27, 2013.

In addition, results from the sump sampling at adjoining properties do not indicate a complete pathway between impacts from the release at the Site and occupants of the residences investigated (1207, 1209, and 1209.5 Chesaco Avenue). Sump sampling results for each of these properties is summarized below.

<u>1207 Chesaco Avenue</u> - In 18 sampling events between December 2009 and December 2016, TPH DRO was detected twice at a concentration of 0.23 milligrams per liter (mg/L) in July and December of 2013. Naphthalene was detected once at a concentration of 13 micrograms per liter (μ g/L) in June of 2010. These results do not support the existence of a pathway between the impacts of the release at the Site and occupants of this residence.

<u>1209 Chesaco Avenue</u> – In 18 sampling events between December 2009 and December 2016, TPH DRO was detected once at a concentrations of 0.25 mg/L in December of 2015. MTBE was detected once at a concentration of 32 μ g/L in June of 2010. These results do not support the existence of a pathway between the impacts of the release at the Site and occupants of this residence.

1209.5 Chesaco Avenue – In 19 sampling events between December 2009 and December 2016, TPH DRO was detected 14 times at concentrations ranging from below detection limits to 1,970 mg/L. Detectable concentrations of TPH DRO have shown a decreasing trend over this time period. TPH DRO was most recently detected at a concentrations of 0.27 mg/L in November 2016. Mann-Kendall trend analysis for TPH DRO in samples from the 1209.5 Chesaco Avenue is included as Attachment B. Furthermore, this structure has not been occupied since 2013. Based on this, a pathway between the impacts of the release at the Site and human exposure is not complete.

Indoor Air Quality

Results from indoor air quality sampling do not indicate a complete pathway between impacts from the release at the Site and occupants of the 1207 Chesaco Avenue residence.

In the second floor apartment, benzene and naphthalene concentrations were regularly reported

above residential MDE Standards due to frequent tobacco use. Significantly lower concentrations were reported in samples from the first floor and basement The basement level has been sampled on 24 occasions between August 2010 and December 2016.

Over that time benzene was detected above MDE standards once in July of 2011. Naphthalene has been detected above MDE standards twice since March 2012 and most recently in June 2015. No other analytes have been detected above the regulatory standard in the basement of the 1207 Chesaco Avenue residence. Indoor air sampling has been terminated at this residence as per MDEs Approval To Discontinue Sump and Indoor Air Sampling correspondence, dated September 26, 2017.

Environmental Ecological Exposure

"The need to protect the natural resources of the State is mandated by Maryland law. If there is exposure to animal or plant life from the petroleum release or the degradation of a natural resource, corrective action is warranted (MEAT for LUSTs, 2003)."

AEC did not observe any signs of staining or vegetative stress in the grass-covered areas surrounding the Site or off-site properties. The most proximal natural surface body of water to the Site, an unnamed tributary of Back River located approximately 800 feet northwest of the Site at its closest point, is not expected to be impacted by the Site's release. AEC does not consider this release to represent a threat to animals or plant life in the vicinity of the Site.

Impact to Utilities and Other Buried Services

"The responsible party must correct adverse effects to utilities. Utility materials have been known to degrade from contact with petroleum products. Utilities may also act as conduits that lead to the migration of contamination. Migration along utilities may cause vapor impacts or other issues at nearby structures (MEAT for LUSTs, 2003)."

Electricity and communications service is supplied to the Site via overhead utilities located along Chesaco Avenue and Pulaski Highway. Based on observations made during Site investigation activities (miss utility markings and water meter/sewer manholes), the Site and vicinity are connected to the municipal water and sewer systems. Municipal water and sewer services are provided to the Site and vicinity by the Baltimore City/County Department of Public Works. Electric and natural gas utilities are provided to the Site and vicinity by Baltimore Gas & Electric (BGE). Stormwater drains via sheet-flow into trench drains located near the Chesaco Avenue entrance to the Site, which connects to the stormwater system along Chesaco Avenue.

Depth to groundwater at the Site in the vicinity of the subsurface utilities is approximately 11 to 13 feet bgs. Depth to groundwater at the 1205 Chesaco Avenue residence is approximately 5 to 6 feet bgs. Utility trenches on the Site are not expected to be affected by the petroleum impact due to the fact that they are unlikely to be located at a depth greater than 3 to 4 feet bgs.

Other Sensitive Receptors

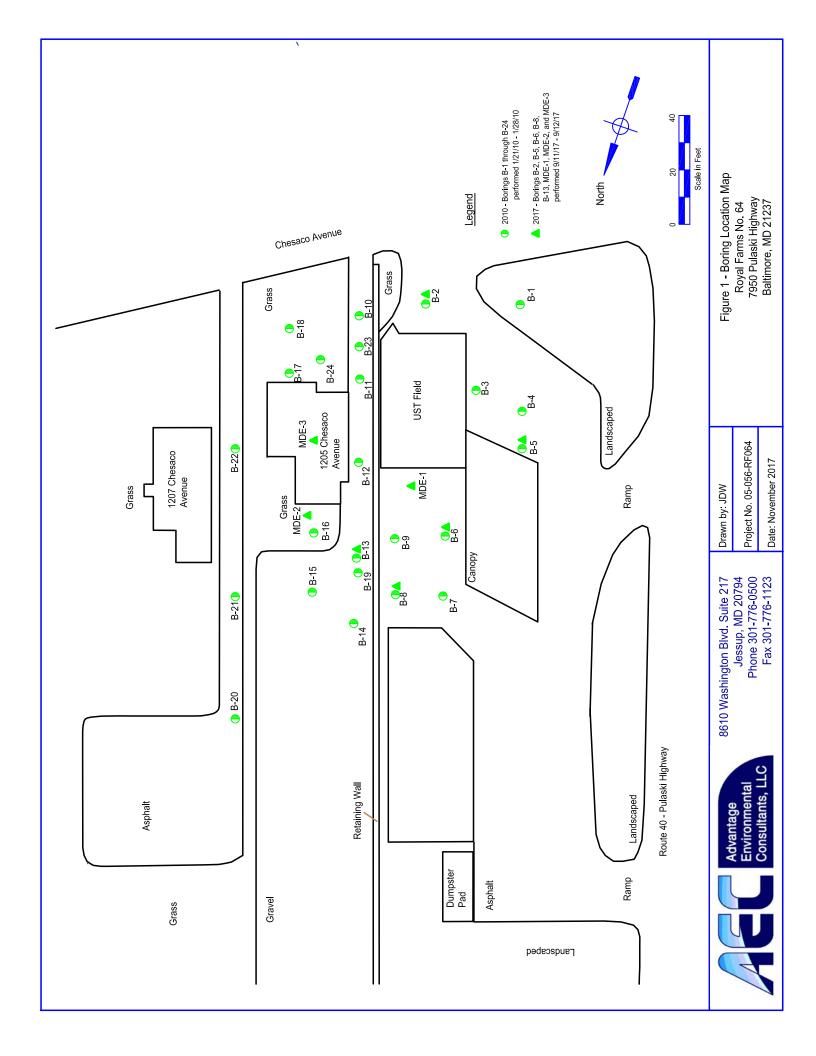
"Sensitive receptors such as surface water, historic structures, and subways are an indication that a site may warrant corrective action (MEAT for LUSTs, 2003)."

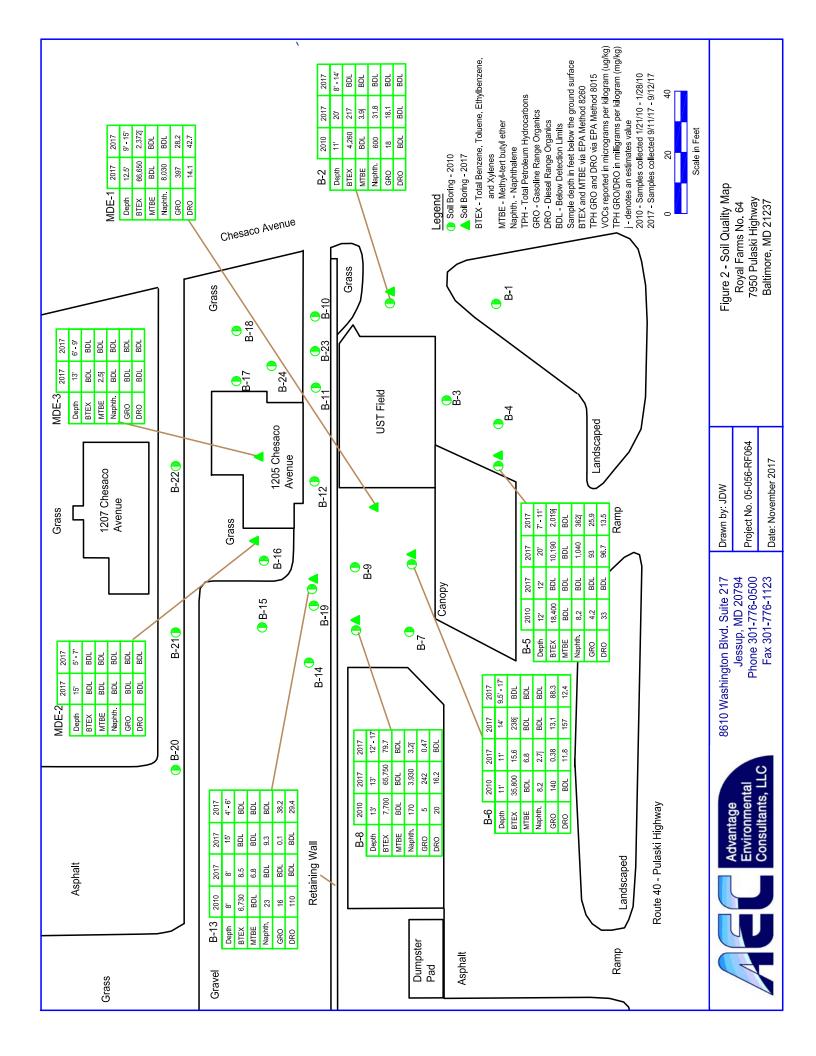
Natural surface bodies of water, historic structures, and subways are not located at the Site; as such, these receptors are not a concern. Additional sensitive receptors in the vicinity of the Site location were not observed during the site assessment. Based on the lack of these types of sensitive receptors in the Site vicinity, no risks to these types of receptors due to constituents detected at the Site are expected to exist.

CONCLUSIONS

Based on the results of the comprehensive data collected to date, and the evaluation of the seven risk factors, it is AEC's opinion that the Site has met all of the designated remediation criteria and is a candidate for case closure.

Attachment A





Attachment B

Table 1 - Summary of Soil Quality Data
Gasoline Fueling Station – Royal Farms #64
7950 Pulaski Highway and 1205 Chesaco Avenue
Baltimore, Maryland 21237

Sample ID - Depth	Date	В	Т	Е	х	Total BTEX	MTBE	Naphthalene	TPH GRO	TPH DRO
B-2-11'	1/21/2010	300	750	910	2300	4260	BDL	600	18	BDL
B-2 @ 20'	9/11/2017	79.1	15.9	64.7	57.4	217.1	3.9 J	31.8	1.81	BDL
B-2 @ 8'-14'	9/11/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
B-5-12'	1/25/2010	900	6100	2400	9000	18400	BDL	8.2	4.2	33
B-5 @ 12'	9/12/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
B-5 @ 20'	9/12/2017	BDL	BDL	840	9350	10190	BDL	1040	93	96.7
B-5 @ 7'-11'	9/12/2017	BDL	BDL	242 J	1777	2019 J	BDL	362 J	25.9	13.5
B-6-11'	1/27/2010	4100	9900	3800	18000	35800	BDL	8.2	140	BDL
B-6 @ 11'	9/11/2017	2.0 J	4.5	BDL	9.1	15.6	6.8	2.7 J	0.38	11.8
B-6 @14'	9/11/2017	BDL	BDL	BDL	238 J	238 J	BDL	BDL	13.1	157
B-6 @ 9.5'-17'	9/11/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	88.3	12.4
B-8-13'	1/28/2010	1300	2000	800	3600	7700	BDL	170	5	20
B-8 @ 13'	9/11/2017	BDL	8460	9490	47800	65750	BDL	3930	242	16.2
B-8 @ 12'-17'	9/11/2017	12.3	7.9	10	49.5	79.7	BDL	3.2 J	0.47	BDL
B-13-8'	1/25/2010	580	2300	670	3180	6730	BDL	23	16	110
B-13 @ 8'	9/12/2017	BDL	BDL	BDL	8.5	8.5	BDL	BDL	BDL	BDL
B-13 @ 15'	9/12/2017	BDL	BDL	BDL	BDL	BDL	BDL	9.3	0.1	BDL
B-13 @ 4'-6'	9/12/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	38.2	29.4
MDE-1 @ 12.5'	9/11/2017	BDL	BDL	15100	51550	66650	BDL	8030	397	14.1
MDE-1 @ 9'-15'	9/11/2017	BDL	BDL	431 J	1941 J	2372 J	BDL	BDL	28.2	42.7
MDE-2 @ 15'	9/12/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MDE-2 @ 5'-7'	9/12/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MDE-3 @ 13'	9/12/2017	BDL	BDL	BDL	BDL	BDL	2.5 J	BDL	BDL	BDL
MDE-3 @ 6'-9'	9/12/2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Non-Residential Clea	nup Standard*	5.2E+04	8.2E+06	1.0E+07	2.0E+07	NRS	7.2E+05	2.0E+06	620	620

TPH GRO and DRO results in milligrams per kilogram (mg/kg)

BTEX, MTBE and Naphthalene results in micrograms per kilogram (ug/kg)

BDL = Below Detection Limits

J = Estimated Concentration

B = Benzene; T = Toluene; E = Ethylbenzene; X = Xylene

MTBE = Methyl-tert-butyl-ether

TPH GRO = Total Petroleum Hydrocarbons Gasoline Range Organics

TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

Some compounds may have been detected but are not tabulated on this spreadsheet. See laboratory analytical results reports for full results.

MDE Standards (Generic Numeric Cleanup Standards for Groundwater and Soil - Interim Final Guidance Update No. 2.1 - June 2008)

NRS = No Regulatory Standard

Depth in feet

Bold Values Exceed Residential Cleanup Standard

^{*} The MDE Non-Residential Cleanup Standards are the soil remidial goals for the Site.

Attachment C

Project:		Sheet:			Boring Number	ir.	
RF-064		1 of 1			B-2	. .	Advantage Environmental
							Consultants, LLC
Site Location	on:	Location:			Elevation:		Job Number:
7950 Pulas	ski Hwy						
Rosedale,		See Map			NA		05-056-064
Drill Contra		Engineer/Geologi	st:		Date Begun:		Date Finished:
Ground Ze	ro	S. Dessel			9/11/2017		9/11/2017
Drill Rig/Dr	iller	Weather:		Groundwate	er (Depth/Eleva	tion):	
George/Je	George/Jeff Over						
Hole Size:	e Size: Drill Method:			Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Classi		Depth	Sample	Groundwater	PID	Comments
(feet)				Type	depth	Reading (ppm)	
0'-0.5'	Asphalt and gravel su	bbase	Sample			0.0	No Odor
0.5'-12.5'	Light brown sandy CL	ight brown sandy CLAY		composite		5@8'	slight odor
12.5-17.5'	light brown sandy clay, moist					260@12.5'	strong odor
17.5'-25'	Red CLAY, dry, very dense		20'	grab		1,088@20'	Strong Odor
	terminate @ 25'						
	backfill 5' Screen 20'-5'						
	Riser 5'-0'						

Project:		Sheet:			Boring Number	ir.	
RF-064		1 of 1			B-8		ACVantage Environmental Consultants, LLC
							Consultants, LLC
Site Locati	ion:	Location:			Elevation:		Job Number:
7950 Pula	ski Hwy						
	MD 21237	See Map					05-056-064
Drill Contra		Engineer/Geolog	ist:		Date Begun:		Date Finished:
Ground Ze	ero	S. Dessel			9/11/2017		9/11/2017
Drill Rig/D	riller	Weather:		Groundwat	ter (Depth/Elev	ation):	•
George/Je		Overcast - 70 F					
Hole Size:		Drill Method:		Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Class	Soil Classification		Sample	Groundwater	PID Reading	Comments
(feet)		Goil Glassification		Туре	depth	(ppm)	Commonte
0'-0.5'	Asphalt and gravel su	sphalt and gravel subbase				0.0	No Odor
0.5'-5'	Light brown sandy CL	Light brown sandy CLAY				0.0	No Odor
5'-11'	Dark grey CLAY, soft	Dark grey CLAY, soft, wet		Composite		0.0	No odor
11'-20'	Red CLAY, very dens	Red CLAY, very dense, wet		grab		1,324@13'	Strong Odor
15'-20'	Red SAND, wet					0.0@20'	Strong Odor
	PVC refusal @ 18'						
	Screen 18'-5'						
	Riser 5'-0'						

Project:		Sheet:			Boring Number	er:	0.55
RF-064		1 of 1			B-6		Advantage Environmental Consultants, LLC
							Consulariis, ECO
Site Location	on:	Location:			Elevation:		Job Number:
7950 Pulas	ski Hwy						
Rosedale,		See Map					05-056-064
Drill Contra	actor:	Engineer/Geologi	st:		Date Begun:		Date Finished:
Ground Ze	ro	S. Dessel			9/11/2017		9/11/2017
Drill Rig/Dr	iller	Weather:		Groundwat	er (Depth/Elev	ation):	
George/Je	ff	Overcast - 70 F					
Hole Size:		Drill Method:		Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Classi		Depth	Sample	Groundwater	PID	Comments
(feet)			of	Туре	depth	Reading	
						(ppm)	
0'-0.5'	Asphalt and gravel su	Asphalt and gravel subbase				0.0	No Odor
0.5'-8.5'	Light brown sandy CL	Light brown sandy CLAY				0.0	No Odor
8.5'-10.5'	Dark grey sandy CLA	Dark grey sandy CLAY		grab		22.5@10'	Moderate odor
10 5'-13 5'	Light brown sandy CL	ΔΥ ωρτ	9.5'-17'	Composite		120@13'	Strong Odor
	Light brown sandy CLAY, wet			Composite			J
13.5'-20'	Very dense red CLAY	, wet	14'	grab		125@14	Strong Odor
	Terminate @ 20'						
	Screen 20'-5'						
	Riser 5'-0'						

Project:		Sheet:			Boring Number	er:	
RF-064		1 of 1			B-5		Advantage Environmental Consultants, LLC
							Consultants, LLC
Site Locati	on:	Location:			Elevation:		Job Number:
7950 Pula	ski Hwy						
	MD 21237	See Map					05-056-064
Drill Contra	actor:	Engineer/Geologi	st:		Date Begun:		Date Finished:
Ground Ze	ero	S. Dessel			9/11/2017		9/12/2017
Drill Rig/D	riller	Weather:		Groundwat	er (Depth/Eleva	ation):	
George/Je	ff	Overcast - 70 F					
Hole Size:		Drill Method:		Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Classi		Depth	Sample	Groundwater	PID	Comments
(feet)	Jon Glassi	noduo.	of	Туре	depth	Reading	
(100)				. , , , ,		(ppm)	
0'-0.5'	Asphalt and gravel sul	obase	Sample			0.0	No Odor
0.5'-5'	Very little recovery, lig	ht brown sandy CL				0.0	No Odor
5'-12'	Very little recovery, re-	Very little recovery, reddish brown sandy		Composite		0.0	No Odor
12'-15'	Light brown Clay w/ sa	and	12'	grab		89@12'	Moderate odor
15'-20'	Red medium SAND, v	ery wet	20'	grab		686@20'	Strong Odor
14'-20'	Reddish brown SAND	w/ clay, wet	15'	grab		0.0	No Odor
	Terminate @ 20'						
	Screen 20'-5'						
	Riser 5'-0'						
	1			1	i		1

Project:		Sheet:			Boring Number	er:	000	
RF-064		1 of 1			B-13		A E C Advantage Envirormental Consultants, LLC	
Site Locati	ion:	Location:			Elevation:		Job Number:	
7950 Pula	ski Hwy							
	MD 21237	See Map					05-056-064	
Drill Contra		Engineer/Geologi	st:		Date Begun:		Date Finished:	
Ground Ze		S. Dessel			9/12/2017		9/12/2017	
Drill Rig/D	riller	Weather:		Groundwat	ter (Depth/Elev	/ation):		
George/Je	eff	Overcast - 70 F						
Hole Size:	ole Size: Drill Meth			Drill Fluid:				
2- inch		Geoprobe		None				
Depth (feet)	Soil Class		Depth of	Sample Type	Groundwater depth	PID Reading	Comments	
(IEEL)			Sample	Туре	deptiii	(ppm)		
0'-0.5'	Man-made gravel		Sample			0.0	No Odor	
0.0	man made graver					0.0	110 0 000.	
0.5'-5'	Light brown sandy C	LAY	4'-6'	Composite		0.0	No Odor	
5'-10'	Reddish brown SAND	Reddish brown SAND w/clay, moist		grab		10.6@8'	Slight Odor	
10'-13'	Reddish brown SAND) w/clay, moist				11.2@8'	Slight Odor	
13'-20'	Reddish brown SANE) w/clay, dry	15'	grab		11.8@15'	Slight Odor	
	Terminate @ 20' PVC refusal @ 15'							
	Screen 15'-2' Riser 2'-0'							

Project:		Sheet:			Boring Number:		
RF-064		1 of 1			MDE-1	.	Advantage Environmental Consultants, LLC
							Consultants, LLC
Site Locati	on:	Location:			Elevation:		Job Number:
7950 Pulas	ski Hwy						
	MD 21237	See Map					05-056-064
Drill Contra		Engineer/Geologi	ist:		Date Begun:		Date Finished:
Ground Ze	ero	S. Dessel			9/11/2017		9/11/2017
Drill Rig/Di	riller	Weather:		Groundwa	ter (Depth/Ele	vation):	
George/Je		Overcast - 70 F					
Hole Size:		Drill Method:		Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Classi	Soil Classification		Sample	Groundwater	PID	Comments
(feet)	Con Classification		Depth of	Туре	depth	Reading	Commonic
(100)			Sample	. 71-		(ppm)	
0'-0.5'	Asphalt and gravel sul	bbase				0.0	No Odor
0.5'-8'	Dark grey sandy CLA	Y	9'-15'	composite		1.5@8'	No Odor
8'-13'	Light brown CLAY w/ some sand, dry		12.5	grab		788@12.5	Strong Odor
13'-15'	Brown/red CLAY, dens	se				76.6@15	moderate odor
15'-20-	Red SAND, wet					296@17.5	Strong Odor
	Tamainata @ 001						
	Terminate @ 20' PVC refusal @ 13'						
	Screen 20'-5'						
	Riser 5'-0'						
	Niser 5-0						
			-				

Project:		Sheet:			Boring Number:		
RF-064		1 of 1			MDE-2		Advantage Environmental
							Consularing LLC
Site Locati	on:	Location:			Elevation:		Job Number:
7950 Pulas							
	MD 21237	See Map					05-056-064
Drill Contra		Engineer/Geologi	ist:		Date Begun:		Date
Ground Ze		S. Dessel		T	9/12/2017		9/12/2017
Drill Rig/Di		Weather:		Groundwate	er (Depth/Elevat	ion):	
George/Je	ff	Overcast - 70 F					
Hole Size:		Drill Method:		Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Class	fication	Depth	Sample	Groundwater	PID	Comments
(feet)			of	Туре	depth	Reading	
			Sample			(ppm)	-
0'-0.5'	Man-made gravel					0.0	No Odor
0.5'-4'	Red sandy CLAY					0.0	No Odor
4'-5'	Concrete					0.0	No Odor
5'-10'	Light brown CLAY, de	ense, dry	5'-7'	Composite		0.0	No Odor
10'-14'	Light brown SAND w/	clay, wet				0.0	No Odor
14'-20'	Reddish brown SAND	w/ clay, wet	15'	grab		0.0	No Odor
	Terminate @ 20'						
	PVC refusal @ 15'						
	Screen 15'-2'						
	Riser 2'-0'						
	Two samples taken s	ince this had no 20	10 locatio	n and PID w	vas all 0.0 ppm	! !	! -
	I		1	I		l	

Project:		Sheet:			Boring Number		
RF-064		1 of 1			MDE-3		Activating Environmental Consultants, LLC
Site Locati	on:	Location:			Elevation:		Job Number:
7950 Pulas	ski Hwy						
	MD 21237	See Map					05-056-064
Drill Contra	actor:	Engineer/Geologi	st:		Date Begun:		Date
Ground Ze		S. Dessel			9/12/2017		9/12/2017
Drill Rig/Di	riller	Weather:		Groundwa			
George/Je	ff	Overcast - 70 F					
Hole Size:		Drill Method:		Drill Fluid:			
2- inch		Geoprobe		None			
Depth	Soil Classi	fication	Depth	Sample	Groundwater	PID	Comments
(feet)			of	Туре	depth	Reading	
01.51	N. D		Sample			(ppm)	N. O.L.
0'-5'	No Recovery					0.0	No Odor
5'-7'	Light/Dark brown sandy Clay, moist					0.0	No Odor
7'-8'	Concrete		6'-9'	Composite		0.0	No Odor
8'-13.5'	Light brown/light grey moist	SAND w/ clay,	13'	grab		5.8@13'	No Odor
13.5'-18.5'	Reddish brown CLAY	w/sand, moist				0.0	No Odor
18.5'-20'	Red SAND, very wet					0.0	No Odor
	Terminate @ 20'						
	PVC refusal @ 15'						
	Screen 15'-5'						
	Riser 5'-0'						
	Two samples taken s	ince this had no 20	10 locatio	n and PID v	was all 0.0 ppr	n n	l -
			l				

Attachment D



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

21 September 2017

Jeffery Stein Advantage Environmental Consultants 8610 Baltimore Washington Blvd, Suite 217 Jessup, MD 20794

RE: RF-064

Enclosed are the results of analyses for samples received by the laboratory on 09/12/17 12:46.

A more detailed report format is available upon request, which lists the accreditation status for all analytical methods performed.

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

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

Sincerely,

Rabecka Koons

Quality Assurance Specialist



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

Reported: 09/21/17 10:01

Project:	RF-064
Project Number:	05-056 RF-64
Project Manager:	Jeffery Stein

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-5 @ 20'		7091202-01	Soil	09/12/17 07:32	09/12/17 12:46
MDE-3 @ 6'-9'		7091202-02	Soil	09/12/17 10:40	09/12/17 12:46
MDE-3 @ 13'		7091202-03	Soil	09/12/17 10:30	09/12/17 12:46
MDE-2 @ 5'-7'		7091202-04	Soil	09/12/17 09:50	09/12/17 12:46
B-13 @ 8'		7091202-05	Soil	09/12/17 08:04	09/12/17 12:46
MDE-2 @ 15'		7091202-06	Soil	09/12/17 09:40	09/12/17 12:46
B-13 @ 15'		7091202-07	Soil	09/12/17 08:10	09/12/17 12:46
B-5 @ 7'-11'		7091202-08	Soil	09/12/17 07:40	09/12/17 12:46
B-5 @ 12'		7091202-09	Soil	09/12/17 07:29	09/12/17 12:46
B-13 @ 4'-6'		7091202-10	Soil	09/12/17 08:40	09/12/17 12:46

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.



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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 20'

7091202-01 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result Notes	s Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOD 5035	5/8260B (GC/N	MS)					
Acetone	ND	ug/kg dry	980	980	83.3	09/15/17	09/15/17 21:44	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	4900	4900	83.3	09/15/17	09/15/17 21:44	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Benzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Bromobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Bromochloromethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Bromodichloromethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Bromoform	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Bromomethane	ND	ug/kg dry	490	490	83.3	09/15/17	09/15/17 21:44	GM
tert-Butanol (TBA)	ND	ug/kg dry	4900	4900	83.3	09/15/17	09/15/17 21:44	GM
2-Butanone (MEK)	ND	ug/kg dry	980	980	83.3	09/15/17	09/15/17 21:44	GM
n-Butylbenzene	451	J ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
sec-Butylbenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
tert-Butylbenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Carbon disulfide	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Carbon tetrachloride	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Chlorobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Chloroethane	ND	ug/kg dry	490	490	83.3	09/15/17	09/15/17 21:44	GM
Chloroform	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Chloromethane	ND	ug/kg dry	490	490	83.3	09/15/17	09/15/17 21:44	GM
2-Chlorotoluene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
4-Chlorotoluene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Dibromochloromethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Dibromomethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2-Dichlorobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,3-Dichlorobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,4-Dichlorobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Dichlorodifluoromethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1-Dichloroethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2-Dichloroethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1-Dichloroethene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM

Rakecka Kons

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 20'

7091202-01 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result No	tes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 50	35/8260B (GC/N	MS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Dichlorofluoromethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2-Dichloropropane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,3-Dichloropropane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
2,2-Dichloropropane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1-Dichloropropene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Ethylbenzene	840	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Hexachlorobutadiene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
2-Hexanone	ND	ug/kg dry	980	980	83.3	09/15/17	09/15/17 21:44	GM
(Sopropylbenzene (Cumene)	654	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
4-Isopropyltoluene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
4-Methyl-2-pentanone	ND	ug/kg dry	980	980	83.3	09/15/17	09/15/17 21:44	GM
Methylene chloride	ND	ug/kg dry	980	980	83.3	09/15/17	09/15/17 21:44	GM
Naphthalene	1040	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
n-Propylbenzene	1780	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Styrene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Tetrachloroethene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Γoluene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1,1-Trichloroethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,1,2-Trichloroethane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Trichloroethene	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2,3-Trichloropropane	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,2,4-Trimethylbenzene	11400	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
1,3,5-Trimethylbenzene	3280	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM

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Kakecha Koms



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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 20'

7091202-01 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EI	PA METHOD	5035/8260B (GC/I	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
o-Xylene	1530	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
m- & p-Xylenes	7820	ug/kg dry	490	196	83.3	09/15/17	09/15/17 21:44	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	105 %	09/15/17		09/15/17 21:44		
Surrogate: Toluene-d8		75-120	105 %	09/15/17		09/15/17 21:44		
Surrogate: 4-Bromofluorobenzene		70-120	101 %	09/15/17		09/15/17 21:44		
GASOLINE RANGE ORGANI	CS BY EPA 5	035/8015B						
Gasoline-Range Organics	93.0	mg/kg dry	9.80	2.94	83.3	09/14/17	09/14/17 17:06	GM
DIESEL RANGE ORGANICS I	BY EPA 3540/	/8015B						
Diesel-Range Organics	96.7	mg/kg dry	15.7	15.7	1	09/18/17	09/19/17 22:13	CMK
Surrogate: o-Terphenyl		70-130	88 %	09/18/17		09/19/17 22:13		
PERCENT SOLIDS BY ASTM	D2216-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

Project: RF-064

MDE-3 @ 6'-9'

7091202-02 (Soil) Sample Date: 09/12/17

No.			S	ampie Date: 09	114/11				
No.				Reporting	Quantitation				
Acetone ND ug/kg dry 8.5 8.5 1 0913/17 0913/17 18.38 GM tert-Amyl alcohol (TAA) ND ug/kg dry 4.2,4 42.4 1 0913/17 0913/17 18.38 GM tert-Amyl alcohol (TAA) ND ug/kg dry 4.2 1.7 1 0913/17 18.38 GM Benzene ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Benzene ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 4.2 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 4.2 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 4.2 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17 18.38 GM Chlorobenane ND ug/kg dry 4.2 1.7 1 0913/17 0913/17	Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
Cert-Amyl alcohol (TAA) ND	VOLATILE ORGANICS BY EP.	A METHOD	5035/8260B (GC/N	AS)					
Part	Acetone	ND	ug/kg dry	8.5	8.5	1	09/13/17	09/13/17 18:38	GM
Benzane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Bromoschenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Bromoschichormethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Bromoform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Bromoform ND ug/kg dry 4.2 4.2 1.7 09/13/17 09/13/17 18:38 GM Bromoform ND ug/kg dry 4.2 4.2 1.0 09/13/17 09/13/17 18:38 GM Bromoform ND ug/kg dry 4.2 4.2 1.0 09/13/17 09/13/17 18:38 GM Bromoform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13	tert-Amyl alcohol (TAA)	ND	ug/kg dry	42.4	42.4	1	09/13/17	09/13/17 18:38	GM
Bromobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Bromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Bromochlane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Bromochlane ND ug/kg dry 4.2 4.2 1.7 09/13/17 09/13/17 18.38 GM CM Bromochlane ND ug/kg dry 4.2 4.2 1.0 09/13/17 09/13/17 18.38 GM CM	tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Bromochloromethane	Benzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Bromodichloromethane ND	Bromobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Bromoform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM cert-Butanol (TBA) ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18.38 GM cert-Butanol (TBA) ND ug/kg dry 4.2 4.2 4.1 09/13/17 09/13/17 18.38 GM cert-Butanol (TBA) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM cert-Butanol (TBA) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM n-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM cert-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM cert-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Carbon tetrachloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobentane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobentane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenchane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenchane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenchane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenchane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenchane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenchane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenz	Bromochloromethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Bromomethane ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18.38 GM Lert-Butanol (TBA) ND ug/kg dry 42.4 42.4 1 09/13/17 09/13/17 18.38 GM Lert-Butanone (MEK) ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18.38 GM n-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM see-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM see-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM see-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Carbon tetrachloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorotothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18.38 GM Chlorothene ND ug/k	Bromodichloromethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
retr-Butanol (TBA) ND ug/kg dry 42.4 42.4 1 09/13/17 18:38 GM 2-Butanone (MEK) ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 6-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/	Bromoform	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
2-Butanone (MEK) ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM	Bromomethane	ND	ug/kg dry	4.2	4.2	1	09/13/17	09/13/17 18:38	GM
ND	tert-Butanol (TBA)	ND	ug/kg dry	42.4	42.4	1	09/13/17	09/13/17 18:38	GM
see-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM tert-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Carbon tetrachloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorochane ND ug/kg dry 4.	2-Butanone (MEK)	ND	ug/kg dry	8.5	8.5	1	09/13/17	09/13/17 18:38	GM
Lett-Butylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Carbon tetrachloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromo-3-chloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromo-chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18	n-Butylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Carbon disulfide ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Carbon tetrachloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17	sec-Butylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Carbon tetrachloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromo-3-chloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromoethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromoethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromoethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromoethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/	tert-Butylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
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Chloroethane ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18:38 GM Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1.2-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1.2-Dibromo-3-chloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1.2-Dibromochlane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1.2-Dibromochlane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromochlane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromochlane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.2-Dibromochlane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1.3-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Carbon tetrachloride	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Chloroform ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 22-Chloromethane ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18:38 GM 22-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 22-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 24-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 24-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 24-Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 24-Chloromethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 24-Chloromethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 25-Chlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/	Chlorobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Chloromethane ND ug/kg dry 4.2 4.2 1 09/13/17 09/13/17 18:38 GM 2-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dibromo-3-chloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dibromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dibromoethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Chloroethane	ND	ug/kg dry	4.2	4.2	1	09/13/17	09/13/17 18:38	GM
ND	Chloroform	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
4-Chlorotoluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dibromo-3-chloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dibromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dibromoethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Chloromethane	ND	ug/kg dry	4.2	4.2	1	09/13/17	09/13/17 18:38	GM
1,2-Dibromo-3-chloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM Dibromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1,2-Dibromoethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	2-Chlorotoluene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Dibromochloromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dibromochlane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	4-Chlorotoluene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2-Dibromoethane (EDB) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM	1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Dibromomethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Dibromochloromethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,3-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Dibromomethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,4-Dichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,2-Dichlorobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Dichlorodifluoromethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,3-Dichlorobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,1-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,4-Dichlorobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2-Dichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Dichlorodifluoromethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,1-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,1-Dichloroethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
· - ·	1,2-Dichloroethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
cis-1,2-Dichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,1-Dichloroethene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
	cis-1,2-Dichloroethene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM

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.



Project Number: 05-056 RF-64

Analytical Results

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

Reported: 09/21/17 10:01

Project Manager: Jeffery Stein

MDE-3 @ 6'-9'

7091202-02 (Soil) Sample Date: 09/12/17

Dichtorofluoromethane ND				Reporting	Quantitation				
Part	Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
Dichtorofluoromethane ND	VOLATILE ORGANICS BY EPA	METHOD :	5035/8260B (GC/N	(IS) (continued)					
1,2-Dichloropropane ND	trans-1,2-Dichloroethene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,3-Dichloropropance ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 1,2-Dichloropropance ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 1,1-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 1,1-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence ND ug/kg dry 4,2 1,7 1 09/13/17 09/13/17 18.38 GM 13.5-Dichloropropence	Dichlorofluoromethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Disciplation of the properties ND	1,2-Dichloropropane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Lip Dichloropropene ND	1,3-Dichloropropane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Size 3-Dichloropropene ND	2,2-Dichloropropane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Parament Anne Ann	1,1-Dichloropropene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Disopropyl ether (DIPE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 09/13/17 18:38 GM Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM The tert-butyl ether (MTBE) The tert-butyl ether (MTBE) The tert-butyl ether (MTBE) The tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM The tert-butyl ether (MTBE) The tert-butyl ether (ETBE) The tert-butyl ether (ETBE) The tert ethoroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM The tert-butyl ether (ETBE) The tert-butyl ether (ET	cis-1,3-Dichloropropene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Ethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Etexachlorobutadiene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Lexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Lexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Lexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 4-Lexanone ND ug/kg dry 4.2 1.7 1	trans-1,3-Dichloropropene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Ethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethexachlorobutadiene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethexachlorobutadiene ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM ethexachlorobutadiene ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM ethexachlorobutadiene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence (Cumene) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence thotride ther (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence chloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ethylence ND ug/kg dry 4.2 1.7 1 09/13/17	Diisopropyl ether (DIPE)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Hexachlorobutadiene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 2-Hexanone ND ug/kg dry	Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Part	Ethylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Sopropylbenzene (Cumene) ND	Hexachlorobutadiene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
NE NE NE NE NE NE NE NE	2-Hexanone	ND	ug/kg dry	8.5	8.5	1	09/13/17	09/13/17 18:38	GM
Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyl-2-pentanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM Methyl-2-pentanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM Methyl-2-pentanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyler-pentanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyler-pentanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Methyler-pentanone ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM All proper Ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM All proper Intertachlorocthane ND ug/kg dry <th< td=""><td>Isopropylbenzene (Cumene)</td><td>ND</td><td>ug/kg dry</td><td>4.2</td><td>1.7</td><td>1</td><td>09/13/17</td><td>09/13/17 18:38</td><td>GM</td></th<>	Isopropylbenzene (Cumene)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
14-Methyl-2-pentanone ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM Methylene chloride ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM Methylene chloride ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Naphthalene ND ug/kg dry 4.2 1.7 1 09/	4-Isopropyltoluene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Methylene chloride ND ug/kg dry 8.5 8.5 1 09/13/17 09/13/17 18:38 GM Naphthalene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Naphthalene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 09/13/17 18:38 GM ND ug/kg dry 4.2 1.7 1 09/13/17 09	Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Naphthalene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Propylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Styrene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM L,1,2,2-Tetrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM L,1,2,2-Tetrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Getrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Goluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM L,2,3-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM L,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 </td <td>4-Methyl-2-pentanone</td> <td>ND</td> <td>ug/kg dry</td> <td>8.5</td> <td>8.5</td> <td>1</td> <td>09/13/17</td> <td>09/13/17 18:38</td> <td>GM</td>	4-Methyl-2-pentanone	ND	ug/kg dry	8.5	8.5	1	09/13/17	09/13/17 18:38	GM
ND	Methylene chloride	ND	ug/kg dry	8.5	8.5	1	09/13/17	09/13/17 18:38	GM
Styrene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Naphthalene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,1,1,2-Tetrachloroethane	n-Propylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,1,2,2-Tetrachloroethane	Styrene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Tetrachloroethene ND	1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Toluene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Trichloroethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2,3-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloromethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Tetrachloroethene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2,4-Trichlorobenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloroptopane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloroptopane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Toluene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
I,1,1-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM I,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Frichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Irichlorofluoromethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM I,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM I,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,2,3-Trichlorobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,1,2-Trichloroethane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Trichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,2,4-Trichlorobenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Frichloroethene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM Frichlorofluoromethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,1,1-Trichloroethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Frichlorofluoromethane (Freon 11) ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,1,2-Trichloroethane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2,3-Trichloropropane ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM 1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Trichloroethene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
1,2,4-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
	1,2,3-Trichloropropane	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
,3,5-Trimethylbenzene ND ug/kg dry 4.2 1.7 1 09/13/17 09/13/17 18:38 GM	1,2,4-Trimethylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
	1,3,5-Trimethylbenzene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-3 @ 6'-9'

7091202-02 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	ETHOD	5035/8260B (GC/N	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
o-Xylene	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
m- & p-Xylenes	ND	ug/kg dry	4.2	1.7	1	09/13/17	09/13/17 18:38	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	106 %	09/13/17		09/13/17 18:38		
Surrogate: Toluene-d8		75-120	103 %	09/13/17		09/13/17 18:38		
Surrogate: 4-Bromofluorobenzene		70-120	102 %	09/13/17		09/13/17 18:38		
GASOLINE RANGE ORGANICS E	SY EPA 5	035/8015B						
Gasoline-Range Organics	ND	mg/kg dry	0.09	0.03	1	09/13/17	09/13/17 20:19	GM
DIESEL RANGE ORGANICS BY E	PA 3540	/8015B						
Diesel-Range Organics	ND	mg/kg dry	9.1	9.1	1	09/18/17	09/19/17 22:40	CMK
Surrogate: o-Terphenyl		70-130	87 %	09/18/17		09/19/17 22:40		
PERCENT SOLIDS BY ASTM D22	16-05							
Percent Solids	88	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-3 @ 13'

7091202-03 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result 1	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 5	5035/8260B (GC/	MS)					
Acetone	16.0	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 19:02	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	49.0	49.0	1	09/13/17	09/13/17 19:02	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Benzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Bromobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Bromochloromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Bromodichloromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Bromoform	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Bromomethane	ND	ug/kg dry	4.9	4.9	1	09/13/17	09/13/17 19:02	GM
tert-Butanol (TBA)	ND	ug/kg dry	49.0	49.0	1	09/13/17	09/13/17 19:02	GM
2-Butanone (MEK)	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 19:02	GM
n-Butylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
sec-Butylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
tert-Butylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Carbon disulfide	3.0	J ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Carbon tetrachloride	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Chlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Chloroethane	ND	ug/kg dry	4.9	4.9	1	09/13/17	09/13/17 19:02	GM
Chloroform	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Chloromethane	ND	ug/kg dry	4.9	4.9	1	09/13/17	09/13/17 19:02	GM
2-Chlorotoluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
4-Chlorotoluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Dibromochloromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Dibromomethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1-Dichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2-Dichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1-Dichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-3 @ 13'

7091202-03 (Soil) Sample Date: 09/12/17

			ampie Date: 09/	14/1/				
			Reporting	Quantitation				
Analyte	Result Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 5035/	8260B (GC/N	MS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Dichlorofluoromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2-Dichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,3-Dichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
2,2-Dichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1-Dichloropropene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Ethylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Hexachlorobutadiene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
2-Hexanone	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 19:02	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
4-Isopropyltoluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Methyl tert-butyl ether (MTBE)	2.5	J ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
4-Methyl-2-pentanone	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 19:02	GM
Methylene chloride	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 19:02	GM
Naphthalene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
n-Propylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Styrene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Tetrachloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Toluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1,1-Trichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,1,2-Trichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Trichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2,3-Trichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,2,4-Trimethylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
1,3,5-Trimethylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-3 @ 13'

7091202-03 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD	5035/8260B (GC/N	1S) (continued)					
Vinyl chloride	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
o-Xylene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
m- & p-Xylenes	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 19:02	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	109 %	09/13/17		09/13/17 19:02		
Surrogate: Toluene-d8		75-120	102 %	09/13/17		09/13/17 19:02		
Surrogate: 4-Bromofluorobenzene		70-120	102 %	09/13/17		09/13/17 19:02		
GASOLINE RANGE ORGANIC	CS BY EPA 50	35/8015B						
Gasoline-Range Organics	ND	mg/kg dry	0.09	0.03	1	09/13/17	09/13/17 20:50	GM
DIESEL RANGE ORGANICS E	BY EPA 3540/8	8015B						
Diesel-Range Organics	ND	mg/kg dry	9.4	9.4	1	09/18/17	09/19/17 23:07	CMK
Surrogate: o-Terphenyl		70-130	93 %	09/18/17		09/19/17 23:07		
PERCENT SOLIDS BY ASTM	D2216-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-2 @ 5'-7'

7091202-04 (Soil) Sample Date: 09/12/17

		S	sample Date: 09/	/12/17/				
			Reporting	Quantitation				
Analyte	Result No	otes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	A METHOD 50	35/8260B (GC/N	AS)			-		
Acetone	ND	ug/kg dry	8.2	8.2	1	09/13/17	09/13/17 19:27	GM
ert-Amyl alcohol (TAA)	ND	ug/kg dry	40.9	40.9	1	09/13/17	09/13/17 19:27	GM
ert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Benzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Bromobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Bromochloromethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Bromodichloromethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Bromoform	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Bromomethane	ND	ug/kg dry	4.1	4.1	1	09/13/17	09/13/17 19:27	GM
ert-Butanol (TBA)	ND	ug/kg dry	40.9	40.9	1	09/13/17	09/13/17 19:27	GM
2-Butanone (MEK)	ND	ug/kg dry	8.2	8.2	1	09/13/17	09/13/17 19:27	GM
n-Butylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
sec-Butylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
ert-Butylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Carbon disulfide	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Carbon tetrachloride	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Chlorobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Chloroethane	ND	ug/kg dry	4.1	4.1	1	09/13/17	09/13/17 19:27	GM
Chloroform	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Chloromethane	ND	ug/kg dry	4.1	4.1	1	09/13/17	09/13/17 19:27	GM
2-Chlorotoluene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1-Chlorotoluene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Dibromochloromethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Dibromomethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1-Dichloroethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2-Dichloroethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1-Dichloroethene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1-Dichloroethene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-2 @ 5'-7'

7091202-04 (Soil) Sample Date: 09/12/17

			ampie Date: 09/	114/1/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/N	1S) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Dichlorofluoromethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2-Dichloropropane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,3-Dichloropropane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
2,2-Dichloropropane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1-Dichloropropene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Ethylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Hexachlorobutadiene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
2-Hexanone	ND	ug/kg dry	8.2	8.2	1	09/13/17	09/13/17 19:27	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
4-Isopropyltoluene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
4-Methyl-2-pentanone	ND	ug/kg dry	8.2	8.2	1	09/13/17	09/13/17 19:27	GM
Methylene chloride	ND	ug/kg dry	8.2	8.2	1	09/13/17	09/13/17 19:27	GM
Naphthalene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
n-Propylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Styrene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Tetrachloroethene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Toluene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1,1-Trichloroethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,1,2-Trichloroethane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Trichloroethene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2,3-Trichloropropane	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,2,4-Trimethylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
1,3,5-Trimethylbenzene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM

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Reported: 09/21/17 10:01

Project Number: 05-056 RF-64 Project Manager: Jeffery Stein

MDE-2 @ 5'-7'

7091202-04 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	ETHOD	5035/8260B (GC/N	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
o-Xylene	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
m- & p-Xylenes	ND	ug/kg dry	4.1	1.6	1	09/13/17	09/13/17 19:27	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	106 %	09/13/17		09/13/17 19:27		
Surrogate: Toluene-d8		75-120	103 %	09/13/17		09/13/17 19:27		
Surrogate: 4-Bromofluorobenzene		70-120	102 %	09/13/17		09/13/17 19:27		
GASOLINE RANGE ORGANICS E	SY EPA 5	035/8015B						
Gasoline-Range Organics	ND	mg/kg dry	0.08	0.02	1	09/13/17	09/13/17 21:20	GM
DIESEL RANGE ORGANICS BY E	PA 3540/	/8015B						
Diesel-Range Organics	ND	mg/kg dry	9.3	9.3	1	09/18/17	09/19/17 23:33	CMK
Surrogate: o-Terphenyl		70-130	88 %	09/18/17		09/19/17 23:33		
PERCENT SOLIDS BY ASTM D22	16-05							
Percent Solids	86	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project Number: 05-056 RF-64 Project Manager: Jeffery Stein

B-13 @ 8'

7091202-05 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/	MS)					
Acetone	ND	ug/kg dry	9.4	9.4	1	09/13/17	09/13/17 19:52	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	47.2	47.2	1	09/13/17	09/13/17 19:52	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Benzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Bromobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Bromochloromethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Bromodichloromethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Bromoform	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Bromomethane	ND	ug/kg dry	4.7	4.7	1	09/13/17	09/13/17 19:52	GM
tert-Butanol (TBA)	ND	ug/kg dry	47.2	47.2	1	09/13/17	09/13/17 19:52	GM
2-Butanone (MEK)	ND	ug/kg dry	9.4	9.4	1	09/13/17	09/13/17 19:52	GM
n-Butylbenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
sec-Butylbenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
tert-Butylbenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Carbon disulfide	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Carbon tetrachloride	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Chlorobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Chloroethane	ND	ug/kg dry	4.7	4.7	1	09/13/17	09/13/17 19:52	GM
Chloroform	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Chloromethane	ND	ug/kg dry	4.7	4.7	1	09/13/17	09/13/17 19:52	GM
2-Chlorotoluene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
4-Chlorotoluene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Dibromochloromethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Dibromomethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1-Dichloroethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2-Dichloroethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1-Dichloroethene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 8'

7091202-05 (Soil) Sample Date: 09/12/17

VOLATILE ORGANICS BY EPA METHOD 5035/8260B (GC/MS) (continued) Trans-1,2-Dichlorochene ND				Sample Date: 09	114/1/				
VOLATILE ORGANICS BY EPA METHOD 5035/8260B (GC/MS) (continued) Trans-1,2-Dichlorochene ND									
trans-1,2-Dichloroethene ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Dichloroftoromethane ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,2-Dichloropropane ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,3-Dichloropropane ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1-Dichloropropene ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1-Dichloropropene ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM trans-1,3-Dichloropropene ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Edhyl cert-buyl ether (BTEB) ND ugkg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Edhyl benzene ND ugkg dry 4.7 1.9 1	Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
Dichlorofluoromethane	VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/I	MS) (continued)					
1,2-Dichloropropane	trans-1,2-Dichloroethene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,3-Dichloropropane	Dichlorofluoromethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
2,2Dichloropropane ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 1,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 1,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 1,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 1,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 2,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gh 1,1-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 0	1,2-Dichloropropane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1-Dichloropropene	1,3-Dichloropropane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
cis-I,3-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb trans-I,3-Dichloropropene ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Disopropyl ether (DIPE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (CUmene) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Sopropylbenzene (Cumene) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17 19:52 Gb Ethyl tert-butyl ether (MTBE) ND ug/kg dry 4,7 1,9 1 09/13/17 09/13/17	2,2-Dichloropropane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
trans-1,3-Dichloropropene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Disopropyl ether (DIPE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Ethyl terr-butyl ether (ETBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Ethyl terr-butyl ether (ETBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Ethyl terr-butyl ether (ETBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Ethyl terr-butyl ether (ETBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Ethyl terr-butyl ether (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gb Sc	1,1-Dichloropropene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Disopropyl ether (DIPE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethyl tert-butyl ether (ETBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Hexachlorobutadiene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene (ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 09/13/17 19:52 GM	cis-1,3-Dichloropropene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Ethyl tert-bulyl ether (ETBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Hexachlorobutadiene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Ethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 2-Hexanone ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 2-Hexanone ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 4-Hospropyltoluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 4-Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 4-Methyl-2-pentanone ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 4-Methyl-2-pentanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM 4-Methyl-2-pentanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Abhthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM The complete of the co	trans-1,3-Dichloropropene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Ethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Hexachlorobutadiene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Sopropylbenzene ND ug/kg dry 4.	Diisopropyl ether (DIPE)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Hexachlorobutadiene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh 2-Hexanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 Gh Isopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Isopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Methyl-2-pentanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 Gh Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 Gh Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 Gh Methylene chloride ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 Gh Na	Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
2-Hexanone ND ug/kg dry 9,4 9,4 1 09/13/17 09/13/17 19:52 GM Isopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM A-Isopropylbenzene (Cumene) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 9,4 9,4 1 09/13/17 09/13/17 19:52 GM Methyl-2-pentanone ND ug/kg dry 9,4 9,4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 9,4 9,4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Naphthalene ND ug/kg dry 4.7 1.9 1 0	Ethylbenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Sopropylbenzene (Cumene) ND	Hexachlorobutadiene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
4-Isopropyltoluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Methyl-2-pentanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Naphthal	2-Hexanone	ND	ug/kg dry	9.4	9.4	1	09/13/17	09/13/17 19:52	GM
Methyl tert-butyl ether (MTBE) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 4-Methyl-2-pentanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:31/17 19:52 GM Styrene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Styrene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,1,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Toluene	Isopropylbenzene (Cumene)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
4-Methyl-2-pentanone ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GM Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM n-Propylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM Styrene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,1,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2,3-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,2,4-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,2,3-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,2,3-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM 1,2,3-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM	4-Isopropyltoluene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Methylene chloride ND ug/kg dry 9.4 9.4 1 09/13/17 09/13/17 19:52 GN Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN n-Propylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Styrene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9	Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Naphthalene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN n-Propylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Styrene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09	4-Methyl-2-pentanone	ND	ug/kg dry	9.4	9.4	1	09/13/17	09/13/17 19:52	GM
n-Propylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloroethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17	Methylene chloride	ND	ug/kg dry	9.4	9.4	1	09/13/17	09/13/17 19:52	GM
Styrene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Tetrachloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry	Naphthalene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1,1,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Tetrachloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloroethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2 ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	n-Propylbenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1,2,2-Tetrachloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Tetrachloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	Styrene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Tetrachloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/1	1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Toluene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2,3-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	Tetrachloroethene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2,4-Trichlorobenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	Toluene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1,1-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	1,2,3-Trichlorobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,1,2-Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichloroethane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	1,2,4-Trichlorobenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Trichloroethene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	1,1,1-Trichloroethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Trichlorofluoromethane (Freon 11) ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	1,1,2-Trichloroethane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2,3-Trichloropropane ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN 1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	Trichloroethene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,2,4-Trimethylbenzene 1.9 J ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GM	Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
	1,2,3-Trichloropropane	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
1,3,5-Trimethylbenzene ND ug/kg dry 4.7 1.9 1 09/13/17 09/13/17 19:52 GN	1,2,4-Trimethylbenzene	1.9	J ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
	1,3,5-Trimethylbenzene	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM

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.



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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 8'

7091202-05 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD	5035/8260B (GC/N	(continued)					
Vinyl chloride	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
o-Xylene	8.5	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
m- & p-Xylenes	ND	ug/kg dry	4.7	1.9	1	09/13/17	09/13/17 19:52	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	109 %	09/13/17		09/13/17 19:52		
Surrogate: Toluene-d8		75-120	103 %	09/13/17		09/13/17 19:52		
Surrogate: 4-Bromofluorobenzene		70-120	103 %	09/13/17		09/13/17 19:52		
GASOLINE RANGE ORGANIC	CS BY EPA 5	035/8015B						
Gasoline-Range Organics	ND	mg/kg dry	0.09	0.03	1	09/13/17	09/13/17 21:50	GM
DIESEL RANGE ORGANICS B	Y EPA 3540/	8015B						
Diesel-Range Organics	ND	mg/kg dry	9.5	9.5	1	09/18/17	09/20/17 00:00	CMK
Surrogate: o-Terphenyl		70-130	88 %	09/18/17		09/20/17 00:00		
PERCENT SOLIDS BY ASTM I)2216-05							
Percent Solids	84	%			1	09/18/17	09/19/17 10:26	GM

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.



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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-2 @ 15'

7091202-06 (Soil) Sample Date: 09/12/17

			ampie Date: 09/	12/17				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	1ETHOD	5035/8260B (GC/N	1 S)					
Acetone	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 20:17	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	49.0	49.0	1	09/13/17	09/13/17 20:17	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Benzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Bromobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Bromochloromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Bromodichloromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Bromoform	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Bromomethane	ND	ug/kg dry	4.9	4.9	1	09/13/17	09/13/17 20:17	GM
tert-Butanol (TBA)	ND	ug/kg dry	49.0	49.0	1	09/13/17	09/13/17 20:17	GM
2-Butanone (MEK)	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 20:17	GM
n-Butylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
sec-Butylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
tert-Butylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Carbon disulfide	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Carbon tetrachloride	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Chlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Chloroethane	ND	ug/kg dry	4.9	4.9	1	09/13/17	09/13/17 20:17	GM
Chloroform	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Chloromethane	ND	ug/kg dry	4.9	4.9	1	09/13/17	09/13/17 20:17	GM
2-Chlorotoluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
4-Chlorotoluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Dibromochloromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Dibromomethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1-Dichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2-Dichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1-Dichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-2 @ 15'

7091202-06 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	1ETHOD	5035/8260B (GC/N	MS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Dichlorofluoromethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2-Dichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,3-Dichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
2,2-Dichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1-Dichloropropene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Ethylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Hexachlorobutadiene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
2-Hexanone	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 20:17	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
4-Isopropyltoluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
4-Methyl-2-pentanone	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 20:17	GM
Methylene chloride	ND	ug/kg dry	9.8	9.8	1	09/13/17	09/13/17 20:17	GM
Naphthalene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
n-Propylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Styrene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Tetrachloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Toluene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1,1-Trichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,1,2-Trichloroethane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Trichloroethene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2,3-Trichloropropane	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,2,4-Trimethylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
1,3,5-Trimethylbenzene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM

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Reported: 09/21/17 10:01

Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE-2 @ 15'

7091202-06 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA N	1ETHOD	5035/8260B (GC/	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
o-Xylene	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
m- & p-Xylenes	ND	ug/kg dry	4.9	2.0	1	09/13/17	09/13/17 20:17	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	110 %	09/13/17		09/13/17 20:17		
Surrogate: Toluene-d8		75-120	103 %	09/13/17		09/13/17 20:17		
Surrogate: 4-Bromofluorobenzene		70-120	102 %	09/13/17		09/13/17 20:17		
GASOLINE RANGE ORGANICS I	BY EPA 5	6035/8015B						
Gasoline-Range Organics	ND	mg/kg dry	0.08	0.02	1	09/13/17	09/13/17 22:20	GM
DIESEL RANGE ORGANICS BY I	EPA 3540	/8015B						
Diesel-Range Organics	ND	mg/kg dry	9.4	9.4	1	09/18/17	09/20/17 00:27	CMK
Surrogate: o-Terphenyl		70-130	97 %	09/18/17		09/20/17 00:27		
PERCENT SOLIDS BY ASTM D22	16-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 15'

7091202-07 (Soil) Sample Date: 09/12/17

		s	ampie Date: 09	/14/1/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOD	5035/8260B (GC/N	AS)					
Acetone	ND	ug/kg dry	9.6	9.6	1	09/15/17	09/15/17 17:04	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	48.0	48.0	1	09/15/17	09/15/17 17:04	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Benzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Bromobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Bromochloromethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Bromodichloromethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Bromoform	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Bromomethane	ND	ug/kg dry	4.8	4.8	1	09/15/17	09/15/17 17:04	GM
tert-Butanol (TBA)	ND	ug/kg dry	48.0	48.0	1	09/15/17	09/15/17 17:04	GM
2-Butanone (MEK)	ND	ug/kg dry	9.6	9.6	1	09/15/17	09/15/17 17:04	GM
n-Butylbenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
sec-Butylbenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
tert-Butylbenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Carbon disulfide	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Carbon tetrachloride	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Chlorobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Chloroethane	ND	ug/kg dry	4.8	4.8	1	09/15/17	09/15/17 17:04	GM
Chloroform	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Chloromethane	ND	ug/kg dry	4.8	4.8	1	09/15/17	09/15/17 17:04	GM
2-Chlorotoluene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
4-Chlorotoluene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Dibromochloromethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Dibromomethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1-Dichloroethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2-Dichloroethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1-Dichloroethene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 15'

7091202-07 (Soil) Sample Date: 09/12/17

		s	ample Date: 09/	12/1/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/N	AS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Dichlorofluoromethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2-Dichloropropane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,3-Dichloropropane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
2,2-Dichloropropane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1-Dichloropropene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Ethylbenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Hexachlorobutadiene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
2-Hexanone	ND	ug/kg dry	9.6	9.6	1	09/15/17	09/15/17 17:04	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
4-Isopropyltoluene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
4-Methyl-2-pentanone	ND	ug/kg dry	9.6	9.6	1	09/15/17	09/15/17 17:04	GM
Methylene chloride	ND	ug/kg dry	9.6	9.6	1	09/15/17	09/15/17 17:04	GM
Naphthalene	9.3	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
n-Propylbenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Styrene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Tetrachloroethene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Toluene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1,1-Trichloroethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,1,2-Trichloroethane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Trichloroethene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2,3-Trichloropropane	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,2,4-Trimethylbenzene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
1,3,5-Trimethylbenzene	10.8	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 15'

7091202-07 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EI	РА МЕТНОІ	5035/8260B (GC/	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
o-Xylene	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
m- & p-Xylenes	ND	ug/kg dry	4.8	1.9	1	09/15/17	09/15/17 17:04	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	110 %	09/15/17		09/15/17 17:04		
Surrogate: Toluene-d8		75-120	102 %	09/15/17		09/15/17 17:04		
Surrogate: 4-Bromofluorobenzene		70-120	101 %	09/15/17		09/15/17 17:04		
DIESEL RANGE ORGANICS I	BY EPA 3540	/8015B						
Diesel-Range Organics	ND	mg/kg dry	9.5	9.5	1	09/18/17	09/20/17 00:54	CMK
Surrogate: o-Terphenyl		70-130	92 %	09/18/17		09/20/17 00:54		
PERCENT SOLIDS BY ASTM	D2216-05							
Percent Solids	84	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 15'

7091202-07RE1 (Soil) Sample Date: 09/12/17

Analyte	Result	Notes Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
GASOLINE RANGE ORGANI	ICS BY EPA 5	6035/8015B						
Gasoline-Range Organics	0.10	mg/kg dry	0.09	0.03	1	09/15/17	09/15/17 17:00	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 7'-11'

7091202-08 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	1ETHOD	5035/8260B (GC/	MS)					
Acetone	ND	ug/kg dry	996	996	84.7	09/15/17	09/15/17 22:08	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	4980	4980	84.7	09/15/17	09/15/17 22:08	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Benzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Bromobenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Bromochloromethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Bromodichloromethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Bromoform	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Bromomethane	ND	ug/kg dry	498	498	84.7	09/15/17	09/15/17 22:08	GM
tert-Butanol (TBA)	ND	ug/kg dry	4980	4980	84.7	09/15/17	09/15/17 22:08	GM
2-Butanone (MEK)	ND	ug/kg dry	996	996	84.7	09/15/17	09/15/17 22:08	GM
n-Butylbenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
sec-Butylbenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
tert-Butylbenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Carbon disulfide	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Carbon tetrachloride	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Chlorobenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Chloroethane	ND	ug/kg dry	498	498	84.7	09/15/17	09/15/17 22:08	GM
Chloroform	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Chloromethane	ND	ug/kg dry	498	498	84.7	09/15/17	09/15/17 22:08	GM
2-Chlorotoluene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
4-Chlorotoluene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Dibromochloromethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Dibromomethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2-Dichlorobenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,3-Dichlorobenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,4-Dichlorobenzene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Dichlorodifluoromethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1-Dichloroethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2-Dichloroethane	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1-Dichloroethene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 7'-11'

7091202-08 (Soil) Sample Date: 09/12/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/82	260B (GC/N	AS) (continued)					
trans-1,2-Dichloroethene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Dichlorofluoromethane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2-Dichloropropane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,3-Dichloropropane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
2,2-Dichloropropane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1-Dichloropropene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
cis-1,3-Dichloropropene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
trans-1,3-Dichloropropene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Diisopropyl ether (DIPE)	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Ethylbenzene	242	J	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Hexachlorobutadiene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
2-Hexanone	ND		ug/kg dry	996	996	84.7	09/15/17	09/15/17 22:08	GM
sopropylbenzene (Cumene)	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1-Isopropyltoluene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1-Methyl-2-pentanone	ND		ug/kg dry	996	996	84.7	09/15/17	09/15/17 22:08	GM
Methylene chloride	ND		ug/kg dry	996	996	84.7	09/15/17	09/15/17 22:08	GM
Naphthalene	362	J	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
n-Propylbenzene	356	J	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Styrene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Tetrachloroethene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Γoluene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2,3-Trichlorobenzene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2,4-Trichlorobenzene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1,1-Trichloroethane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,1,2-Trichloroethane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Γrichloroethene	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2,3-Trichloropropane	ND		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,2,4-Trimethylbenzene	2470		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
1,3,5-Trimethylbenzene	828		ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 7'-11'

7091202-08 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EI	PA METHOD	5035/8260B (GC/	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
o-Xylene	657	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
m- & p-Xylenes	1120	ug/kg dry	498	199	84.7	09/15/17	09/15/17 22:08	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	106 %	09/15/17		09/15/17 22:08		
Surrogate: Toluene-d8		75-120	106 %	09/15/17		09/15/17 22:08		
Surrogate: 4-Bromofluorobenzene		70-120	103 %	09/15/17		09/15/17 22:08		
GASOLINE RANGE ORGANI	CS BY EPA 5	5035/8015B						
Gasoline-Range Organics	25.9	mg/kg dry	9.96	2.99	84.7	09/14/17	09/14/17 18:07	GM
DIESEL RANGE ORGANICS I	BY EPA 3540	/8015B						
Diesel-Range Organics	13.5	mg/kg dry	9.4	9.4	1	09/18/17	09/20/17 01:21	CMK
Surrogate: o-Terphenyl		70-130	82 %	09/18/17		09/20/17 01:21		
PERCENT SOLIDS BY ASTM	D2216-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 12'

7091202-09 (Soil) Sample Date: 09/12/17

		S	ample Date: 09	/12/17/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD	5035/8260B (GC/N	AS)					
Acetone	ND	ug/kg dry	9.1	9.1	1	09/13/17	09/13/17 20:41	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	45.5	45.5	1	09/13/17	09/13/17 20:41	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Benzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Bromobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Bromochloromethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Bromodichloromethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Bromoform	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Bromomethane	ND	ug/kg dry	4.6	4.6	1	09/13/17	09/13/17 20:41	GM
tert-Butanol (TBA)	ND	ug/kg dry	45.5	45.5	1	09/13/17	09/13/17 20:41	GM
2-Butanone (MEK)	ND	ug/kg dry	9.1	9.1	1	09/13/17	09/13/17 20:41	GM
n-Butylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
sec-Butylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
tert-Butylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Carbon disulfide	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Carbon tetrachloride	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Chlorobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Chloroethane	ND	ug/kg dry	4.6	4.6	1	09/13/17	09/13/17 20:41	GM
Chloroform	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Chloromethane	ND	ug/kg dry	4.6	4.6	1	09/13/17	09/13/17 20:41	GM
2-Chlorotoluene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
4-Chlorotoluene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Dibromochloromethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Dibromomethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1-Dichloroethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2-Dichloroethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1-Dichloroethene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 12'

7091202-09 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	IETHOD	5035/8260B (GC/N	(IS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Dichlorofluoromethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2-Dichloropropane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,3-Dichloropropane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
2,2-Dichloropropane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1-Dichloropropene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Ethylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Hexachlorobutadiene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
2-Hexanone	ND	ug/kg dry	9.1	9.1	1	09/13/17	09/13/17 20:41	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
4-Isopropyltoluene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
4-Methyl-2-pentanone	ND	ug/kg dry	9.1	9.1	1	09/13/17	09/13/17 20:41	GM
Methylene chloride	ND	ug/kg dry	9.1	9.1	1	09/13/17	09/13/17 20:41	GM
Naphthalene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
n-Propylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Styrene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Tetrachloroethene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Toluene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1,1-Trichloroethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,1,2-Trichloroethane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Trichloroethene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2,3-Trichloropropane	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,2,4-Trimethylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
1,3,5-Trimethylbenzene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM

Rakecka Koms

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-5 @ 12'

7091202-09 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result 1	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD 5	5035/8260B (GC/M	1S) (continued)					
Vinyl chloride	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
o-Xylene	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
m- & p-Xylenes	ND	ug/kg dry	4.6	1.8	1	09/13/17	09/13/17 20:41	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	109 %	09/13/17		09/13/17 20:41		
Surrogate: Toluene-d8		75-120	103 %	09/13/17		09/13/17 20:41		
Surrogate: 4-Bromofluorobenzene		70-120	101 %	09/13/17		09/13/17 20:41		
GASOLINE RANGE ORGANIC	CS BY EPA 503	35/8015B						
Gasoline-Range Organics	ND	mg/kg dry	0.10	0.03	1	09/13/17	09/13/17 22:50	GM
DIESEL RANGE ORGANICS B	SY EPA 3540/8	015B						
Diesel-Range Organics	ND	mg/kg dry	9.8	9.8	1	09/18/17	09/20/17 01:48	CMK
Surrogate: o-Terphenyl		70-130	94 %	09/18/17		09/20/17 01:48		
PERCENT SOLIDS BY ASTM I	D2216-05							
Percent Solids	82	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 4'-6'

7091202-10 (Soil) Sample Date: 09/12/17

			s	ampie Date: 09/	114/1/				
				Reporting	Quantitation	_			
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOL	5035/82	260B (GC/N	AS)					
Acetone	ND		ug/kg dry	976	976	82	09/15/17	09/15/17 22:33	GM
tert-Amyl alcohol (TAA)	ND		ug/kg dry	4880	4880	82	09/15/17	09/15/17 22:33	GM
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Benzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Bromobenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Bromochloromethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Bromodichloromethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Bromoform	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Bromomethane	ND		ug/kg dry	488	488	82	09/15/17	09/15/17 22:33	GM
tert-Butanol (TBA)	ND		ug/kg dry	4880	4880	82	09/15/17	09/15/17 22:33	GM
2-Butanone (MEK)	ND		ug/kg dry	976	976	82	09/15/17	09/15/17 22:33	GM
n-Butylbenzene	207	J	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
sec-Butylbenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
tert-Butylbenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Carbon disulfide	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Carbon tetrachloride	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Chlorobenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Chloroethane	ND		ug/kg dry	488	488	82	09/15/17	09/15/17 22:33	GM
Chloroform	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Chloromethane	ND		ug/kg dry	488	488	82	09/15/17	09/15/17 22:33	GM
2-Chlorotoluene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
4-Chlorotoluene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Dibromochloromethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2-Dibromoethane (EDB)	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Dibromomethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2-Dichlorobenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,3-Dichlorobenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,4-Dichlorobenzene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Dichlorodifluoromethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1-Dichloroethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2-Dichloroethane	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1-Dichloroethene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
cis-1,2-Dichloroethene	ND		ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM

Rakecka Koms

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

Reported: 09/21/17 10:01

Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

Project: RF-064

B-13 @ 4'-6'

7091202-10 (Soil) Sample Date: 09/12/17

		3	ampie Date: 09/	14/1/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/N	(continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Dichlorofluoromethane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2-Dichloropropane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,3-Dichloropropane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
2,2-Dichloropropane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1-Dichloropropene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Ethylbenzene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Hexachlorobutadiene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
2-Hexanone	ND	ug/kg dry	976	976	82	09/15/17	09/15/17 22:33	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
4-Isopropyltoluene	636	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
4-Methyl-2-pentanone	ND	ug/kg dry	976	976	82	09/15/17	09/15/17 22:33	GM
Methylene chloride	ND	ug/kg dry	976	976	82	09/15/17	09/15/17 22:33	GM
Naphthalene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
n-Propylbenzene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Styrene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Tetrachloroethene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Toluene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1,1-Trichloroethane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,1,2-Trichloroethane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Trichloroethene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2,3-Trichloropropane	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,2,4-Trimethylbenzene	1060	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
1,3,5-Trimethylbenzene	2120	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM

abecka Koms

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.



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

Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-13 @ 4'-6'

7091202-10 (Soil) Sample Date: 09/12/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/I	MS) (continued)	ı				
Vinyl chloride	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
o-Xylene	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
m- & p-Xylenes	ND	ug/kg dry	488	195	82	09/15/17	09/15/17 22:33	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	103 %	09/15/17		09/15/17 22:33		
Surrogate: Toluene-d8		75-120	104 %	09/15/17		09/15/17 22:33		
Surrogate: 4-Bromofluorobenzene		70-120	103 %	09/15/17		09/15/17 22:33		
GASOLINE RANGE ORGANIC	S BY EPA 5	6035/8015B						
Gasoline-Range Organics	38.2	mg/kg dry	9.76	2.93	82	09/14/17	09/14/17 18:37	GM
DIESEL RANGE ORGANICS BY	Y EPA 3540	/8015B						
Diesel-Range Organics	29.4	mg/kg dry	9.5	9.5	1	09/18/17	09/20/17 02:15	CMK
Surrogate: o-Terphenyl		70-130	90 %	09/18/17		09/20/17 02:15		
PERCENT SOLIDS BY ASTM D	2216-05							
Percent Solids	84	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/21/17 10:01

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

Notes and Definitions

J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-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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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 (non-potable water) PW (potable water)	Preservative: 1+1 Field pH, Residual HCI, H ₂ SO ₄ , Chlorine, QC MSS Lab ID Request, Trip Na ₂ S ₂ O ₃ , NaHCO ₃ Blank, Field Blank	7091202-01	€o.	20-	50-	δ,	90-	607	80,	57	Date/Time Received by: (Signature)	(Printed)	Lab Use:	Temp: 14. 2°C]	듄	© Return to Client © Disposal by lab © Archive for days
Analysis Requested	\$63}!	SSEC	1 HOL	X - X -									(Relinquished by: (Signature)	Mobelca (Printed)	gnature) Turn Around Time:	Normal (7 day)			Other:
Project Manager:	Project ID: 05-054	P.O. Number. 05-056-064	Water	9/12/17/32 X	05:30	6.50	FO.8	ψ; ψ	01.8	5.40	7:29	Date (Time)			Date/Time Received by Lab: (Signature)	(Printed)	Special Instructions/OC Remisements & Commonstante	tein T Rubino	essal stutero
Company N≅me:	Project Nam e:	Sampler(s): 5. Botaco s. Descol	Fi eld Sample ID	15-3 62-20'	B	MDE-2 (2) 51-7,	8 3	MDE-260 151	B-13@151	8-5@7-11	8-5012	8-13 @ U-C	1	Jun Boken	Relinquished by: (Signature)	(Printed)	Delivery Method: Special In	Courier Client	S Dessa Substantial S Dessa Control of the control



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

20 September 2017

Jeffery Stein Advantage Environmental Consultants 8610 Baltimore Washington Blvd, Suite 217 Jessup, MD 20794

RE: RF-064

Enclosed are the results of analyses for samples received by the laboratory on 09/11/17 14:59.

A more detailed report format is available upon request, which lists the accreditation status for all analytical methods performed.

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

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

Sincerely,

Will Brewington

Willeburge

Staff Chemist



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

Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-6 @ 11'		7091103-01	Soil	09/11/17 12:30	09/11/17 14:59
B-6 @ 14'		7091103-02	Soil	09/11/17 11:07	09/11/17 14:59
MDE -1 @ 12.5'		7091103-03	Soil	09/11/17 10:50	09/11/17 14:59
B-8 @ 12'-17'		7091103-04	Soil	09/11/17 12:00	09/11/17 14:59
B-2 @ 20'		7091103-05	Soil	09/11/17 10:25	09/11/17 14:59
B-2 @ 8'-14'		7091103-06	Soil	09/11/17 10:38	09/11/17 14:59
MDE -1@ 9'-15'		7091103-07	Soil	09/11/17 10:58	09/11/17 14:59
B-8 @ 13'		7091103-08	Soil	09/11/17 11:45	09/11/17 14:59
B-6 @ 9.5'-17'		7091103-09	Soil	09/11/17 11:14	09/11/17 14:59

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.

Willestenden



Project Manager: Jeffery Stein

Analytical Results

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

Reported: 09/20/17 11:37

B-6 @ 11'

7091103-01 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOD	5035/8260I	GC/N	(IS)					
Acetone	15.2	ug	/kg dry	8.9	8.9	1	09/15/17	09/15/17 16:32	GM
tert-Amyl alcohol (TAA)	ND	ug	/kg dry	44.3	44.3	1	09/15/17	09/15/17 16:32	GM
tert-Amyl methyl ether (TAME)	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Benzene	2.0	J ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Bromobenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Bromochloromethane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Bromodichloromethane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Bromoform	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Bromomethane	ND	ug	/kg dry	4.4	4.4	1	09/15/17	09/15/17 16:32	GM
tert-Butanol (TBA)	ND	ug	/kg dry	44.3	44.3	1	09/15/17	09/15/17 16:32	GM
2-Butanone (MEK)	ND	ug	/kg dry	8.9	8.9	1	09/15/17	09/15/17 16:32	GM
n-Butylbenzene	5.3	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
sec-Butylbenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
tert-Butylbenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Carbon disulfide	4.4	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Carbon tetrachloride	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Chlorobenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Chloroethane	ND	ug	/kg dry	4.4	4.4	1	09/15/17	09/15/17 16:32	GM
Chloroform	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Chloromethane	ND	ug	/kg dry	4.4	4.4	1	09/15/17	09/15/17 16:32	GM
2-Chlorotoluene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
4-Chlorotoluene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2-Dibromo-3-chloropropane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Dibromochloromethane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2-Dibromoethane (EDB)	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Dibromomethane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2-Dichlorobenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,3-Dichlorobenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,4-Dichlorobenzene	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Dichlorodifluoromethane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1-Dichloroethane	ND		/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2-Dichloroethane	ND	ug	/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1-Dichloroethene	ND		/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
cis-1,2-Dichloroethene	ND		/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM

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MINISTER

Will Brewington, Staff Chemist



Project Manager: Jeffery Stein

Analytical Results

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

Reported: 09/20/17 11:37

B-6 @ 11'

7091103-01 (Soil) Sample Date: 09/11/17

		L.	sample Date: 09/	11/1/				
			Reporting	Quantitation	<u></u>			
Analyte	Result Note	es Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 503	5/8260B (GC/N	MS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Dichlorofluoromethane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2-Dichloropropane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,3-Dichloropropane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
2,2-Dichloropropane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1-Dichloropropene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Ethylbenzene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Hexachlorobutadiene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
2-Hexanone	ND	ug/kg dry	8.9	8.9	1	09/15/17	09/15/17 16:32	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
4-Isopropyltoluene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Methyl tert-butyl ether (MTBE)	6.8	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
4-Methyl-2-pentanone	ND	ug/kg dry	8.9	8.9	1	09/15/17	09/15/17 16:32	GM
Methylene chloride	ND	ug/kg dry	8.9	8.9	1	09/15/17	09/15/17 16:32	GM
Naphthalene	2.7	J ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
n-Propylbenzene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Styrene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Tetrachloroethene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Toluene	4.5	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1,1-Trichloroethane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,1,2-Trichloroethane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Trichloroethene	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2,3-Trichloropropane	ND	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,2,4-Trimethylbenzene	5.9	ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
1,3,5-Trimethylbenzene	3.0	J ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM

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Willeburgher

Will Brewington, Staff Chemist



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

Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-6 @ 11'

7091103-01 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOI	5035/82	260B (GC/N	(continued)					
Vinyl chloride	ND		ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
o-Xylene	4.6		ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
m- & p-Xylenes	4.5		ug/kg dry	4.4	1.8	1	09/15/17	09/15/17 16:32	GM
Surrogate: 1,2-Dichloroethane-d4		7	70-130	108 %	09/15/17		09/15/17 16:32		
Surrogate: Toluene-d8		7	75-120	108 %	09/15/17		09/15/17 16:32		
Surrogate: 4-Bromofluorobenzene		7	70-120	94 %	09/15/17		09/15/17 16:32		
DIESEL RANGE ORGANICS BY	EPA 3540	/8015B							
Diesel-Range Organics	11.8		mg/kg dry	9.6	9.6	1	09/14/17	09/16/17 01:27	CMK
Surrogate: o-Terphenyl		7	70-130	88 %	09/14/17		09/16/17 01:27		
PERCENT SOLIDS BY ASTM D2	216-05								
Percent Solids	83		%			1	09/18/17	09/19/17 10:26	GM

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-6 @ 11'

7091103-01RE1 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
GASOLINE RANGE ORGANIC	S BY EPA 5	035/8015	В						
Gasoline-Range Organics	0.38		mg/kg dry	0.09	0.03	1	09/15/17	09/15/17 16:24	GM

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



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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-6 @ 14'

7091103-02 (Soil) Sample Date: 09/11/17

		5	ampie Date: 09/	11/1/				
			Reporting	Quantitation				
Analyte	Result Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	A METHOD 5035/8	260B (GC/N	AS)					
Acetone	ND	ug/kg dry	1100	1100	94.3	09/15/17	09/15/17 19:16	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	5480	5480	94.3	09/15/17	09/15/17 19:16	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Benzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Bromobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Bromochloromethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Bromodichloromethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Bromoform	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Bromomethane	ND	ug/kg dry	548	548	94.3	09/15/17	09/15/17 19:16	GM
tert-Butanol (TBA)	ND	ug/kg dry	5480	5480	94.3	09/15/17	09/15/17 19:16	GM
2-Butanone (MEK)	ND	ug/kg dry	1100	1100	94.3	09/15/17	09/15/17 19:16	GM
n-Butylbenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
sec-Butylbenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
ert-Butylbenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Carbon disulfide	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Carbon tetrachloride	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Chlorobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Chloroethane	ND	ug/kg dry	548	548	94.3	09/15/17	09/15/17 19:16	GM
Chloroform	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Chloromethane	ND	ug/kg dry	548	548	94.3	09/15/17	09/15/17 19:16	GM
2-Chlorotoluene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
4-Chlorotoluene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Dibromochloromethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Dibromomethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2-Dichlorobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,3-Dichlorobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,4-Dichlorobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Dichlorodifluoromethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1-Dichloroethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2-Dichloroethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1-Dichloroethene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM

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Project Manager: Jeffery Stein

Analytical Results

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Reported: 09/20/17 11:37

B-6 @ 14'

7091103-02 (Soil) Sample Date: 09/11/17

			Sample Date: 09/	11/1/				
			Reporting	Quantitation				
Analyte	Result No	otes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 50	35/8260B (GC/N	MS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Dichlorofluoromethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2-Dichloropropane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,3-Dichloropropane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
2,2-Dichloropropane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1-Dichloropropene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Ethylbenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Hexachlorobutadiene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
2-Hexanone	ND	ug/kg dry	1100	1100	94.3	09/15/17	09/15/17 19:16	GM
sopropylbenzene (Cumene)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
4-Isopropyltoluene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
4-Methyl-2-pentanone	ND	ug/kg dry	1100	1100	94.3	09/15/17	09/15/17 19:16	GM
Methylene chloride	ND	ug/kg dry	1100	1100	94.3	09/15/17	09/15/17 19:16	GM
Naphthalene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
n-Propylbenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Styrene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Tetrachloroethene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Toluene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1,1-Trichloroethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,1,2-Trichloroethane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Γrichloroethene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2,3-Trichloropropane	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,2,4-Trimethylbenzene	293	J ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
1,3,5-Trimethylbenzene	393	J ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM

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Project Manager: Jeffery Stein

Analytical Results

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

Reported: 09/20/17 11:37

B-6 @ 14'

7091103-02 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation	•			•
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EF	PA METHOL	5035/8260B (GC/	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
o-Xylene	ND	ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
m- & p-Xylenes	238	J ug/kg dry	548	219	94.3	09/15/17	09/15/17 19:16	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	106 %	09/15/17		09/15/17 19:16		
Surrogate: Toluene-d8		75-120	104 %	09/15/17		09/15/17 19:16		
Surrogate: 4-Bromofluorobenzene		70-120	99 %	09/15/17		09/15/17 19:16		
GASOLINE RANGE ORGANIC	CS BY EPA 5	5035/8015B						
Gasoline-Range Organics	13.1	mg/kg dry	11.0	3.29	94.3	09/14/17	09/14/17 14:05	GM
DIESEL RANGE ORGANICS I	BY EPA 3540	/8015B						
Diesel-Range Organics	157	mg/kg dry	18.6	18.6	2	09/14/17	09/16/17 01:54	CMK
Surrogate: o-Terphenyl		70-130	95 %	09/14/17		09/16/17 01:54		
PERCENT SOLIDS BY ASTM	D2216-05							
Percent Solids	86	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE -1 @ 12.5'

7091103-03 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	A METHOD 5035/8	3260B (GC/N	MS)					
Acetone	ND	ug/kg dry	1930	1930	164	09/15/17	09/15/17 19:41	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	9650	9650	164	09/15/17	09/15/17 19:41	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Benzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Bromobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Bromochloromethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Bromodichloromethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Bromoform	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Bromomethane	ND	ug/kg dry	965	965	164	09/15/17	09/15/17 19:41	GM
tert-Butanol (TBA)	ND	ug/kg dry	9650	9650	164	09/15/17	09/15/17 19:41	GM
2-Butanone (MEK)	ND	ug/kg dry	1930	1930	164	09/15/17	09/15/17 19:41	GM
n-Butylbenzene	5600	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
sec-Butylbenzene	1890	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
tert-Butylbenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Carbon disulfide	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Carbon tetrachloride	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Chlorobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Chloroethane	ND	ug/kg dry	965	965	164	09/15/17	09/15/17 19:41	GM
Chloroform	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Chloromethane	ND	ug/kg dry	965	965	164	09/15/17	09/15/17 19:41	GM
2-Chlorotoluene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
4-Chlorotoluene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Dibromochloromethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Dibromomethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2-Dichlorobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,3-Dichlorobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,4-Dichlorobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Dichlorodifluoromethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1-Dichloroethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2-Dichloroethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1-Dichloroethene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM

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Project Manager: Jeffery Stein

Analytical Results

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

Reported: 09/20/17 11:37

MDE -1 @ 12.5'

7091103-03 (Soil) Sample Date: 09/11/17

		s	ample Date: 09	11/1/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/N	AS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Dichlorofluoromethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2-Dichloropropane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,3-Dichloropropane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
2,2-Dichloropropane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1-Dichloropropene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Ethylbenzene	15100	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Hexachlorobutadiene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
2-Hexanone	ND	ug/kg dry	1930	1930	164	09/15/17	09/15/17 19:41	GM
Isopropylbenzene (Cumene)	3730	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
4-Isopropyltoluene	3550	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
4-Methyl-2-pentanone	ND	ug/kg dry	1930	1930	164	09/15/17	09/15/17 19:41	GM
Methylene chloride	ND	ug/kg dry	1930	1930	164	09/15/17	09/15/17 19:41	GM
Naphthalene	8030	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
n-Propylbenzene	13100	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Styrene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Tetrachloroethene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Toluene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1,1-Trichloroethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,1,2-Trichloroethane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Trichloroethene	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2,3-Trichloropropane	ND	ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
1,2,4-Trimethylbenzene	82500	E ug/kg dry	965	386	164	09/15/17	09/15/17 19:41	GM
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Analytical Results

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

Reported: 09/20/17 11:37

Project Manager: Jeffery Stein

MDE -1 @ 12.5'

7091103-03 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	s Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOI	5035/8260B (G	C/MS) (continued)					
Vinyl chloride	ND	ug/kg o	dry 965	386	164	09/15/17	09/15/17 19:41	GM
o-Xylene	2650	ug/kg o	dry 965	386	164	09/15/17	09/15/17 19:41	GM
m- & p-Xylenes	48900	ug/kg o	dry 965	386	164	09/15/17	09/15/17 19:41	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	110 %	09/15/17		09/15/17 19:41		
Surrogate: Toluene-d8		75-120	105 %	09/15/17		09/15/17 19:41		
Surrogate: 4-Bromofluorobenzene		70-120	104 %	09/15/17		09/15/17 19:41		
GASOLINE RANGE ORGANIC	CS BY EPA 5	5035/8015B						
Gasoline-Range Organics	397	mg/kg	dry 9.65	2.89	82	09/14/17	09/14/17 14:35	GM
DIESEL RANGE ORGANICS E	BY EPA 3540	/8015B						
Diesel-Range Organics	14.1	mg/kg	dry 9.4	9.4	1	09/14/17	09/16/17 02:20	CMK
Surrogate: o-Terphenyl		70-130	95 %	09/14/17		09/16/17 02:20		
PERCENT SOLIDS BY ASTM I	D2216-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Project Manager: Jeffery Stein

Analytical Results

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

Reported: 09/20/17 11:37

B-8 @ 12'-17'

7091103-04 (Soil) Sample Date: 09/11/17

	Sample Date: 09/11/17											
			Reporting	Quantitation								
Analyte	Result Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst				
VOLATILE ORGANICS BY EPA	A METHOD 5035	/8260B (GC/I	MS)									
Acetone	ND	ug/kg dry	8.9	8.9	1	09/13/17	09/13/17 17:48	GM				
tert-Amyl alcohol (TAA)	ND	ug/kg dry	44.4	44.4	1	09/13/17	09/13/17 17:48	GM				
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Benzene	12.3	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Bromobenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Bromochloromethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Bromodichloromethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Bromoform	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Bromomethane	ND	ug/kg dry	4.4	4.4	1	09/13/17	09/13/17 17:48	GM				
tert-Butanol (TBA)	ND	ug/kg dry	44.4	44.4	1	09/13/17	09/13/17 17:48	GM				
2-Butanone (MEK)	ND	ug/kg dry	8.9	8.9	1	09/13/17	09/13/17 17:48	GM				
n-Butylbenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
sec-Butylbenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
ert-Butylbenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Carbon disulfide	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Carbon tetrachloride	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Chlorobenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Chloroethane	ND	ug/kg dry	4.4	4.4	1	09/13/17	09/13/17 17:48	GM				
Chloroform	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Chloromethane	ND	ug/kg dry	4.4	4.4	1	09/13/17	09/13/17 17:48	GM				
2-Chlorotoluene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
4-Chlorotoluene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Dibromochloromethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Dibromomethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,2-Dichlorobenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,3-Dichlorobenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,4-Dichlorobenzene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
Dichlorodifluoromethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,1-Dichloroethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,2-Dichloroethane	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
1,1-Dichloroethene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				
cis-1,2-Dichloroethene	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM				

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Will Brewington, Staff Chemist



Project Manager: Jeffery Stein

Analytical Results

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Reported: 09/20/17 11:37

B-8 @ 12'-17'

7091103-04 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (G	C/MS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Dichlorofluoromethane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,2-Dichloropropane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,3-Dichloropropane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
2,2-Dichloropropane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,1-Dichloropropene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
cis-1,3-Dichloropropene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
trans-1,3-Dichloropropene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Diisopropyl ether (DIPE)	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Ethylbenzene	10.0	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Hexachlorobutadiene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
2-Hexanone	ND	ug/kg di	y 8.9	8.9	1	09/13/17	09/13/17 17:48	GM
(Sopropylbenzene (Cumene)	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1-Isopropyltoluene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
4-Methyl-2-pentanone	ND	ug/kg di	y 8.9	8.9	1	09/13/17	09/13/17 17:48	GM
Methylene chloride	ND	ug/kg di	y 8.9	8.9	1	09/13/17	09/13/17 17:48	GM
Naphthalene	3.2	J ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
n-Propylbenzene	3.7	J ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Styrene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Tetrachloroethene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Toluene	7.9	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,2,3-Trichlorobenzene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,2,4-Trichlorobenzene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,1,1-Trichloroethane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
,1,2-Trichloroethane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Trichloroethene	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,2,3-Trichloropropane	ND	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,2,4-Trimethylbenzene	23.1	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM
1,3,5-Trimethylbenzene	6.1	ug/kg di	y 4.4	1.8	1	09/13/17	09/13/17 17:48	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-8 @ 12'-17'

7091103-04 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	1ETHOD	5035/8260B (GC/N	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM
o-Xylene	12.2	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM
m- & p-Xylenes	37.3	ug/kg dry	4.4	1.8	1	09/13/17	09/13/17 17:48	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	105 %	09/13/17		09/13/17 17:48		
Surrogate: Toluene-d8		75-120	103 %	09/13/17		09/13/17 17:48		
Surrogate: 4-Bromofluorobenzene		70-120	100 %	09/13/17		09/13/17 17:48		
GASOLINE RANGE ORGANICS E	BY EPA 5	035/8015B						
Gasoline-Range Organics	0.47	mg/kg dry	0.09	0.03	1	09/13/17	09/13/17 19:19	GM
DIESEL RANGE ORGANICS BY E	EPA 3540/	/8015B						
Diesel-Range Organics	ND	mg/kg dry	9.5	9.5	1	09/14/17	09/16/17 02:47	CMK
Surrogate: o-Terphenyl		70-130	93 %	09/14/17		09/16/17 02:47		
PERCENT SOLIDS BY ASTM D22	16-05							
Percent Solids	84	%			1	09/18/17	09/19/17 10:26	GM

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Project Manager: Jeffery Stein

Analytical Results

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Reported: 09/20/17 11:37

B-2 @ 20'

7091103-05 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
DIESEL RANGE ORGANIC	S BY EPA 3540	/8015B						
Diesel-Range Organics	ND	mg/kg dry	9.4	9.4	1	09/14/17	09/16/17 03:14	CMK
Surrogate: o-Terphenyl		70-130	88 %	09/14/17		09/16/17 03:14		
PERCENT SOLIDS BY AST	M D2216-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-2 @ 20'

7091103-05RE1 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOI	5035/82	60B (GC/N	AS)					
Acetone	56.4		ug/kg dry	8.3	8.3	1	09/20/17	09/20/17 10:49	GM
tert-Amyl alcohol (TAA)	1030	E	ug/kg dry	41.4	41.4	1	09/20/17	09/20/17 10:49	GM
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Benzene	79.1		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Bromobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Bromochloromethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Bromodichloromethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Bromoform	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Bromomethane	ND		ug/kg dry	4.1	4.1	1	09/20/17	09/20/17 10:49	GM
tert-Butanol (TBA)	ND		ug/kg dry	41.4	41.4	1	09/20/17	09/20/17 10:49	GM
2-Butanone (MEK)	ND		ug/kg dry	8.3	8.3	1	09/20/17	09/20/17 10:49	GM
n-Butylbenzene	1.9	J	ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
sec-Butylbenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
tert-Butylbenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Carbon disulfide	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Carbon tetrachloride	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Chlorobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Chloroethane	ND		ug/kg dry	4.1	4.1	1	09/20/17	09/20/17 10:49	GM
Chloroform	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Chloromethane	ND		ug/kg dry	4.1	4.1	1	09/20/17	09/20/17 10:49	GM
2-Chlorotoluene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
4-Chlorotoluene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Dibromochloromethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2-Dibromoethane (EDB)	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Dibromomethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2-Dichlorobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,3-Dichlorobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,4-Dichlorobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Dichlorodifluoromethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1-Dichloroethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2-Dichloroethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1-Dichloroethene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
cis-1,2-Dichloroethene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-2 @ 20'

7091103-05RE1 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result 1	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 5	035/82	60B (GC/N	(continued)					
trans-1,2-Dichloroethene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Dichlorofluoromethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2-Dichloropropane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,3-Dichloropropane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
2,2-Dichloropropane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1-Dichloropropene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
cis-1,3-Dichloropropene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
trans-1,3-Dichloropropene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Diisopropyl ether (DIPE)	14.5		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Ethylbenzene	64.7		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Hexachlorobutadiene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
2-Hexanone	ND		ug/kg dry	8.3	8.3	1	09/20/17	09/20/17 10:49	GM
Isopropylbenzene (Cumene)	5.9		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
4-Isopropyltoluene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Methyl tert-butyl ether (MTBE)	3.9	J	ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
4-Methyl-2-pentanone	ND		ug/kg dry	8.3	8.3	1	09/20/17	09/20/17 10:49	GM
Methylene chloride	ND		ug/kg dry	8.3	8.3	1	09/20/17	09/20/17 10:49	GM
Naphthalene	31.8		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
n-Propylbenzene	11.9		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Styrene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Tetrachloroethene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Toluene	15.9		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2,3-Trichlorobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2,4-Trichlorobenzene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1,1-Trichloroethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,1,2-Trichloroethane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Trichloroethene	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2,3-Trichloropropane	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,2,4-Trimethylbenzene	76.4		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
1,3,5-Trimethylbenzene	25.2		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Vinyl chloride	ND		ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-2 @ 20'

7091103-05RE1 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EI	PA METHOI) 5035/8260B (GC/I	MS) (continued)					
o-Xylene	6.6	ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
m- & p-Xylenes	50.8	ug/kg dry	4.1	1.7	1	09/20/17	09/20/17 10:49	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	117 %	09/20/17	,	09/20/17 10:49		
Surrogate: Toluene-d8		75-120	100 %	09/20/17	,	09/20/17 10:49		
Surrogate: 4-Bromofluorobenzene		70-120	102 %	09/20/17	,	09/20/17 10:49		
GASOLINE RANGE ORGANI	CS BY EPA 5	5035/8015B						
Gasoline-Range Organics	1.81	mg/kg dry	0.09	0.03	1	09/15/17	09/15/17 17:37	GM

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Project Manager: Jeffery Stein

Analytical Results

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

Reported: 09/20/17 11:37

B-2 @ 8'-14'

7091103-06 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/N	AS)					
Acetone	ND	ug/kg dry	8.7	8.7	1	09/13/17	09/13/17 18:13	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	43.4	43.4	1	09/13/17	09/13/17 18:13	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Benzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Bromobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Bromochloromethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Bromodichloromethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Bromoform	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Bromomethane	ND	ug/kg dry	4.3	4.3	1	09/13/17	09/13/17 18:13	GM
tert-Butanol (TBA)	ND	ug/kg dry	43.4	43.4	1	09/13/17	09/13/17 18:13	GM
2-Butanone (MEK)	ND	ug/kg dry	8.7	8.7	1	09/13/17	09/13/17 18:13	GM
n-Butylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
sec-Butylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
tert-Butylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Carbon disulfide	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Carbon tetrachloride	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Chlorobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Chloroethane	ND	ug/kg dry	4.3	4.3	1	09/13/17	09/13/17 18:13	GM
Chloroform	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Chloromethane	ND	ug/kg dry	4.3	4.3	1	09/13/17	09/13/17 18:13	GM
2-Chlorotoluene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
4-Chlorotoluene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Dibromochloromethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Dibromomethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,2-Dichlorobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,3-Dichlorobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,4-Dichlorobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
Dichlorodifluoromethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,1-Dichloroethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,2-Dichloroethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
1,1-Dichloroethene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM

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Reported: 09/20/17 11:37

Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-2 @ 8'-14'

7091103-06 (Soil) Sample Date: 09/11/17

Sample Date: 09/11/17											
			Reporting	Quantitation							
Analyte	Result No	es Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst			
VOLATILE ORGANICS BY EPA	METHOD 503	35/8260B (GC/I	MS) (continued)								
trans-1,2-Dichloroethene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Dichlorofluoromethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,2-Dichloropropane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,3-Dichloropropane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
2,2-Dichloropropane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,1-Dichloropropene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
cis-1,3-Dichloropropene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
trans-1,3-Dichloropropene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Diisopropyl ether (DIPE)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Ethylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Hexachlorobutadiene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
2-Hexanone	ND	ug/kg dry	8.7	8.7	1	09/13/17	09/13/17 18:13	GM			
(Sopropylbenzene (Cumene)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
4-Isopropyltoluene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1-Methyl-2-pentanone	ND	ug/kg dry	8.7	8.7	1	09/13/17	09/13/17 18:13	GM			
Methylene chloride	ND	ug/kg dry	8.7	8.7	1	09/13/17	09/13/17 18:13	GM			
Naphthalene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
n-Propylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Styrene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,1,2-Tetrachloroethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Tetrachloroethene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Toluene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,2,3-Trichlorobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,2,4-Trichlorobenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,1,1-Trichloroethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,1,2-Trichloroethane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Γrichloroethene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,2,3-Trichloropropane	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,2,4-Trimethylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
1,3,5-Trimethylbenzene	ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM			
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Project: RF-064

Project Number: 05-056 RF-64

Analytical Results

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Reported: 09/20/17 11:37

Project Manager: Jeffery Stein

B-2 @ 8'-14'

7091103-06 (Soil) Sample Date: 09/11/17

		Reporting	Quantitation				
Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analys
METHOD	5035/8260B (GC/N	AS) (continued)					
ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
ND	ug/kg dry	4.3	1.7	1	09/13/17	09/13/17 18:13	GM
	70-130	106 %	09/13/17		09/13/17 18:13		
	75-120	102 %	09/13/17		09/13/17 18:13		
	70-120	101 %	09/13/17		09/13/17 18:13		
S BY EPA 5	5035/8015B						
ND	mg/kg dry	0.09	0.03	1	09/13/17	09/13/17 19:49	GM
ZEPA 3540	/8015B						
ND	mg/kg dry	9.3	9.3	1	09/14/17	09/16/17 03:41	CMK
	70-130	90 %	09/14/17		09/16/17 03:41		
2216-05							
86	%			1	09/18/17	09/19/17 10:26	GM
	METHOE ND ND ND S BY EPA 5 ND (EPA 3540 ND	ND ug/kg dry ND ug/kg dry ND ug/kg dry ND ug/kg dry ND 70-130 75-120 70-120 8 BY EPA 5035/8015B ND mg/kg dry (EPA 3540/8015B ND mg/kg dry 70-130 2216-05	Result Notes Units Limit (MRL) METHOD 5035/8260B (GC/MS) (continued) ND ug/kg dry 4.3 ND ug/kg dry 4.3 70-130 106 % 75-120 102 % 70-120 101 % 8 S BY EPA 5035/8015B ND mg/kg dry 0.09 Z EPA 3540/8015B ND mg/kg dry 9.3 70-130 90 % 2216-05	Result Notes Units Limit (MRL) Limit (LOQ) AMETHOD 5035/8260B (GC/MS) (continued) ND ug/kg dry 4.3 1.7 ND ug/kg dry 4.3 1.7 ND ug/kg dry 4.3 1.7 70-130 106 % 09/13/17 75-120 102 % 09/13/17 70-120 101 % 09/13/17 8 BY EPA 5035/8015B ND mg/kg dry 0.09 0.03 7 EPA 3540/8015B ND mg/kg dry 9.3 9.3 70-130 90 % 09/14/17 09/14/17 2216-05 05/14/17 05/14/17 05/14/17	Result Notes Units Limit (MRL) Limit (LOQ) Dilution METHOD 5035/8260B (GC/MS) (continued) ND ug/kg dry 4.3 1.7 1 ND ug/kg dry 4.3 1.7 1 ND ug/kg dry 4.3 1.7 1 70-130 106 % 09/13/17 09/13/17 75-120 102 % 09/13/17 09/13/17 8 BY EPA 5035/8015B 8 8 0.09 0.03 1 Y EPA 3540/8015B 70-130 90 % 09/14/17 09/14/17 2216-05 0.05 0.07/14/17 0.09/14/17 0.09/14/17	Result Notes Units Limit (MRL) Limit (LOQ) Dilution Prepared METHOD 5035/8260B (GC/MS) (continued) ND ug/kg dry 4.3 1.7 1 09/13/17 ND ug/kg dry 4.3 1.7 1 09/13/17 ND ug/kg dry 4.3 1.7 1 09/13/17 70-130 106 % 09/13/17 09/13/17 09/13/17 18:13 75-120 102 % 09/13/17 09/13/17 18:13 70-120 101 % 09/13/17 09/13/17 18:13 8 BY EPA 5035/8015B ND mg/kg dry 0.09 0.03 1 09/13/17 Y EPA 3540/8015B ND mg/kg dry 9.3 9.3 1 09/14/17 70-130 90 % 09/14/17 09/16/17 03:41 2216-05 09/14/17 09/16/17 03:41	Result Notes Units Limit (MRL) Limit (LOQ) Dilution Prepared Analyzed

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE -1@ 9'-15'

7091103-07 (Soil) Sample Date: 09/11/17

Sample Date: 09/11/17											
			Reporting	Quantitation							
Analyte	Result Note	es Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst			
VOLATILE ORGANICS BY EP	A METHOD 503	5/8260B (GC/I	MS)								
Acetone	ND	ug/kg dry	985	985	84.7	09/15/17	09/15/17 20:30	GM			
tert-Amyl alcohol (TAA)	ND	ug/kg dry	4920	4920	84.7	09/15/17	09/15/17 20:30	GM			
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Benzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Bromobenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Bromochloromethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Bromodichloromethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Bromoform	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Bromomethane	ND	ug/kg dry	492	492	84.7	09/15/17	09/15/17 20:30	GM			
tert-Butanol (TBA)	ND	ug/kg dry	4920	4920	84.7	09/15/17	09/15/17 20:30	GM			
2-Butanone (MEK)	ND	ug/kg dry	985	985	84.7	09/15/17	09/15/17 20:30	GM			
n-Butylbenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
sec-Butylbenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
tert-Butylbenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Carbon disulfide	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Carbon tetrachloride	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Chlorobenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Chloroethane	ND	ug/kg dry	492	492	84.7	09/15/17	09/15/17 20:30	GM			
Chloroform	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Chloromethane	ND	ug/kg dry	492	492	84.7	09/15/17	09/15/17 20:30	GM			
2-Chlorotoluene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
4-Chlorotoluene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Dibromochloromethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,2-Dibromoethane (EDB)	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Dibromomethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,2-Dichlorobenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,3-Dichlorobenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,4-Dichlorobenzene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
Dichlorodifluoromethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,1-Dichloroethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,2-Dichloroethane	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
1,1-Dichloroethene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			
cis-1,2-Dichloroethene	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM			

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Reported: 09/20/17 11:37

Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE -1@ 9'-15'

7091103-07 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8	260B (GC/N	1S) (continued)					
trans-1,2-Dichloroethene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Dichlorofluoromethane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,2-Dichloropropane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,3-Dichloropropane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
2,2-Dichloropropane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,1-Dichloropropene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
cis-1,3-Dichloropropene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
trans-1,3-Dichloropropene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Diisopropyl ether (DIPE)	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Ethylbenzene	431	J	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Hexachlorobutadiene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
2-Hexanone	ND		ug/kg dry	985	985	84.7	09/15/17	09/15/17 20:30	GM
Isopropylbenzene (Cumene)	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
4-Isopropyltoluene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
4-Methyl-2-pentanone	ND		ug/kg dry	985	985	84.7	09/15/17	09/15/17 20:30	GM
Methylene chloride	ND		ug/kg dry	985	985	84.7	09/15/17	09/15/17 20:30	GM
Naphthalene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
n-Propylbenzene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Styrene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Tetrachloroethene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Toluene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,2,3-Trichlorobenzene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,2,4-Trichlorobenzene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,1,1-Trichloroethane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,1,2-Trichloroethane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Trichloroethene	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,2,3-Trichloropropane	ND		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,2,4-Trimethylbenzene	879		ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
1,3,5-Trimethylbenzene	295	J	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

MDE -1@ 9'-15'

7091103-07 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOO)	Dilution	Prepared	Analyzed	Analyst
Analyte	Result	indies Ullits	LIIII (MKL)	Lillit (LOQ)	Dilution	ricpated	Allalyzeu	Allalyst
VOLATILE ORGANICS BY EPA	METHOL) 5035/8260B (GC/	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
o-Xylene	231	J ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
m- & p-Xylenes	1710	ug/kg dry	492	197	84.7	09/15/17	09/15/17 20:30	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	105 %	09/15/17		09/15/17 20:30		
Surrogate: Toluene-d8		75-120	104 %	09/15/17		09/15/17 20:30		
Surrogate: 4-Bromofluorobenzene		70-120	99 %	09/15/17		09/15/17 20:30		
GASOLINE RANGE ORGANICS	S BY EPA 5	5035/8015B						
Gasoline-Range Organics	28.2	mg/kg dry	9.85	2.95	84.7	09/14/17	09/14/17 15:36	GM
DIESEL RANGE ORGANICS BY	EPA 3540	/8015B						
Diesel-Range Organics	42.7	mg/kg dry	9.3	9.3	1	09/14/17	09/16/17 04:08	CMK
Surrogate: o-Terphenyl		70-130	80 %	09/14/17		09/16/17 04:08		
PERCENT SOLIDS BY ASTM D	2216-05							
Percent Solids	86	%			1	09/18/17	09/19/17 10:26	GM

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Project: RF-064

Project Number: 05-056 RF-64

Analytical Results

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Reported: 09/20/17 11:37

Project Manager: Jeffery Stein

B-8 @ 13'

7091103-08 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	5035/8260B (GC/N	AS)					·
Acetone	ND	ug/kg dry	1950	1950	169.4	09/15/17	09/15/17 20:54	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	9740	9740	169.4	09/15/17	09/15/17 20:54	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Benzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Bromobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Bromochloromethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Bromodichloromethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Bromoform	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Bromomethane	ND	ug/kg dry	974	974	169.4	09/15/17	09/15/17 20:54	GM
tert-Butanol (TBA)	ND	ug/kg dry	9740	9740	169.4	09/15/17	09/15/17 20:54	GM
2-Butanone (MEK)	ND	ug/kg dry	1950	1950	169.4	09/15/17	09/15/17 20:54	GM
n-Butylbenzene	1800	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
sec-Butylbenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
tert-Butylbenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Carbon disulfide	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Carbon tetrachloride	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Chlorobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Chloroethane	ND	ug/kg dry	974	974	169.4	09/15/17	09/15/17 20:54	GM
Chloroform	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Chloromethane	ND	ug/kg dry	974	974	169.4	09/15/17	09/15/17 20:54	GM
2-Chlorotoluene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
4-Chlorotoluene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Dibromochloromethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Dibromomethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2-Dichlorobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,3-Dichlorobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,4-Dichlorobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Dichlorodifluoromethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1-Dichloroethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2-Dichloroethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1-Dichloroethene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-8 @ 13'

7091103-08 (Soil) Sample Date: 09/11/17

		3	ample Date: 09	/11/1/				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	A METHOD	5035/8260B (GC/N	AS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Dichlorofluoromethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2-Dichloropropane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,3-Dichloropropane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
2,2-Dichloropropane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1-Dichloropropene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Ethylbenzene	9490	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Hexachlorobutadiene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
2-Hexanone	ND	ug/kg dry	1950	1950	169.4	09/15/17	09/15/17 20:54	GM
Isopropylbenzene (Cumene)	1590	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
4-Isopropyltoluene	1080	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
4-Methyl-2-pentanone	ND	ug/kg dry	1950	1950	169.4	09/15/17	09/15/17 20:54	GM
Methylene chloride	ND	ug/kg dry	1950	1950	169.4	09/15/17	09/15/17 20:54	GM
Naphthalene	3930	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
n-Propylbenzene	5280	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Styrene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Tetrachloroethene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Toluene	8460	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1,1-Trichloroethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,1,2-Trichloroethane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Trichloroethene	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2,3-Trichloropropane	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,2,4-Trimethylbenzene	31600	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
1,3,5-Trimethylbenzene	9410	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Vinyl chloride	ND	ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM

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Project Manager: Jeffery Stein

Analytical Results

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Reported: 09/20/17 11:37

B-8 @ 13'

7091103-08 (Soil) Sample Date: 09/11/17

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EF	PA METHOD	5035/82	60B (GC/N	(continued)					
o-Xylene	13200		ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
m- & p-Xylenes	34600		ug/kg dry	974	389	169.4	09/15/17	09/15/17 20:54	GM
Surrogate: 1,2-Dichloroethane-d4		70	0-130	104 %	09/15/17		09/15/17 20:54		
Surrogate: Toluene-d8		7.	5-120	105 %	09/15/17		09/15/17 20:54		
Surrogate: 4-Bromofluorobenzene		70	0-120	102 %	09/15/17		09/15/17 20:54		
GASOLINE RANGE ORGANIC	CS BY EPA 5	035/8015	В						
Gasoline-Range Organics	242		mg/kg dry	9.74	2.92	84.7	09/14/17	09/14/17 16:06	GM
DIESEL RANGE ORGANICS I	BY EPA 3540.	/8015B							
Diesel-Range Organics	16.2		mg/kg dry	9.2	9.2	1	09/14/17	09/16/17 04:34	CMK
Surrogate: o-Terphenyl		70	0-130	95 %	09/14/17		09/16/17 04:34		
PERCENT SOLIDS BY ASTM	D2216-05								
Percent Solids	87		%			1	09/18/17	09/19/17 10:26	GM

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Reported: 09/20/17 11:37

Project: RF-064Project Number: 05-056 RF-64
Project Manager: Jeffery Stein

B-6 @ 9.5'-17'

7091103-09 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 5035	/8260B (GC/I	MS)					
Acetone	ND	ug/kg dry	853	853	72.5	09/15/17	09/15/17 21:19	GM
tert-Amyl alcohol (TAA)	ND	ug/kg dry	4260	4260	72.5	09/15/17	09/15/17 21:19	GM
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Benzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Bromobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Bromochloromethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Bromodichloromethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Bromoform	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Bromomethane	ND	ug/kg dry	426	426	72.5	09/15/17	09/15/17 21:19	GM
tert-Butanol (TBA)	ND	ug/kg dry	4260	4260	72.5	09/15/17	09/15/17 21:19	GM
2-Butanone (MEK)	ND	ug/kg dry	853	853	72.5	09/15/17	09/15/17 21:19	GM
n-Butylbenzene	221	J ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
sec-Butylbenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
tert-Butylbenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Carbon disulfide	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Carbon tetrachloride	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Chlorobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Chloroethane	ND	ug/kg dry	426	426	72.5	09/15/17	09/15/17 21:19	GM
Chloroform	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Chloromethane	ND	ug/kg dry	426	426	72.5	09/15/17	09/15/17 21:19	GM
2-Chlorotoluene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
4-Chlorotoluene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Dibromochloromethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2-Dibromoethane (EDB)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Dibromomethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2-Dichlorobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,3-Dichlorobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,4-Dichlorobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Dichlorodifluoromethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1-Dichloroethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2-Dichloroethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1-Dichloroethene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
cis-1,2-Dichloroethene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM

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Analytical Results

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Reported: 09/20/17 11:37

B-6 @ 9.5'-17'

7091103-09 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result Not	es Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 503	35/8260B (GC/N	(IS) (continued)					
trans-1,2-Dichloroethene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Dichlorofluoromethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2-Dichloropropane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,3-Dichloropropane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
2,2-Dichloropropane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1-Dichloropropene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
cis-1,3-Dichloropropene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
trans-1,3-Dichloropropene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Diisopropyl ether (DIPE)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Ethylbenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Hexachlorobutadiene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
2-Hexanone	ND	ug/kg dry	853	853	72.5	09/15/17	09/15/17 21:19	GM
Isopropylbenzene (Cumene)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
4-Isopropyltoluene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
4-Methyl-2-pentanone	ND	ug/kg dry	853	853	72.5	09/15/17	09/15/17 21:19	GM
Methylene chloride	ND	ug/kg dry	853	853	72.5	09/15/17	09/15/17 21:19	GM
Naphthalene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
n-Propylbenzene	236	J ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Styrene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Tetrachloroethene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Toluene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2,3-Trichlorobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2,4-Trichlorobenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1,1-Trichloroethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,1,2-Trichloroethane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Trichloroethene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2,3-Trichloropropane	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,2,4-Trimethylbenzene	2010	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
1,3,5-Trimethylbenzene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM

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

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

Reported: 09/20/17 11:37

Project Manager: Jeffery Stein

B-6 @ 9.5'-17'

7091103-09 (Soil) Sample Date: 09/11/17

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EF	PA METHOD	5035/8260B (GC/I	MS) (continued)					
Vinyl chloride	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
o-Xylene	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
m- & p-Xylenes	ND	ug/kg dry	426	171	72.5	09/15/17	09/15/17 21:19	GM
Surrogate: 1,2-Dichloroethane-d4		70-130	104 %	09/15/17		09/15/17 21:19		
Surrogate: Toluene-d8		75-120	105 %	09/15/17		09/15/17 21:19		
Surrogate: 4-Bromofluorobenzene		70-120	102 %	09/15/17		09/15/17 21:19		
GASOLINE RANGE ORGANIC	CS BY EPA 5	6035/8015B						
Gasoline-Range Organics	88.3	mg/kg dry	8.53	2.56	72.5	09/14/17	09/14/17 16:36	GM
DIESEL RANGE ORGANICS F	BY EPA 3540	/8015B						
Diesel-Range Organics	12.4	mg/kg dry	9.4	9.4	1	09/14/17	09/16/17 05:01	CMK
Surrogate: o-Terphenyl		70-130	89 %	09/14/17		09/16/17 05:01		
PERCENT SOLIDS BY ASTM	D2216-05							
Percent Solids	85	%			1	09/18/17	09/19/17 10:26	GM

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Analytical Results

1500 Caton Center Dr Suite G Baltimore MD 21227

410-247-7600 www.mdspectral.com

Reported: 09/20/17 11:37

Project Manager: Jeffery Stein

Notes and Definitions

S-07	Surrogate recovery	outside control limits du	ue to sample matrix effect.

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

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.

Millebruster

Company Name:	Project Manager:	 				4	nalysis	Analysis Requested	sted			CHAIN-	CHAIN-OF-CUSTODY RECORD	DY R	ECORD	
AC	1.5tein				\vdash		-		-			:				Т
Project Name: $RF-CL$	Project ID: 05-056-064	799			99				···		<u></u>	Mary 1500	Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227	Services Drive, Si 21227	s, Inc. uite G	
				UPJ	78/	380				_ .	_	410–24	410-247-7600 • Fax 410-247-7602	410–24	7–7602	
J.Bolero S. Dessel	1 05-056 -064	h 90			<u>5503</u>						Matrix Co PW (pota	Matrix Codes: NW (PW (potable water)	Matrix Codes: NW (nonpotable water)	ter)		1 "
Field Sample ID	Date Time	Water	Other	No. of Con	100 s 3	0019 160-1					Preservative: 1-HCL, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHC	Preservative: 1+1 HCL, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	idual C Tip Iank	MSS Lab ID	
B-6@11)	05:21 /11/16	×			×									+	7091103-01	$\overline{}$
B-6014)	±0:1]	×					<u> </u>								60.	T -
MDE-100 12.5'	05:01	X													50-	T
B-8@12'-17'	12:00													 	FO-	I
B-2@ 201	(0.25	<u></u>				_			_						50-	Т
B-210 8'-14	10.38	٤													5	1
MDE-1099'-15'	85:0	X													F0-	Τ-
8-8@ 13'	54:11	×													80,	Τ.
B-6 @9.5'-17'	11:14	×	_	_	-									_	50.	1
														_		T
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Relinquished by: (<i>Signature)</i>		Received by Lab:		(Signature)	<	,	Ī	Turn Around Time.	d Time		Lab Use:	Use:	-			Τ-
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Courier Client	757c'n							Next Day Other:	y day)		Ę	Return to Client	ient			
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other:	S Dessel															
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