

Columbia Pike Segment C & D - Procedure and Payment for Handling Contaminated Soil:

Leaking underground fuel storage tanks have been observed in other segments of Columbia Pike. Analytical results for once such instance are provided as an attachment¹. (See following pages)

It is possible that similarly contaminated soils are present within the project limits. If encountered, the Contractor shall:

1. Follow all applicable local, state and federal requirements.
2. Provide contaminated soils assessment.
 - a. Retain services of an environmental consultant with experience in remediation
 - b. Sample the material in question to ascertain suitability for onsite reuse.
 - c. Provide the County with the Environmental Consultant's recommendation(s) and assessment of reuse suitability.
3. Provide contaminated soils disposal as needed.
 - a. Dispose of any soils deemed not suitable for onsite reuse. Alternatives may include a landfill licensed to accept the material or a petroleum-impacted material thermal treatment facility.
 - b. Provide documentation to the County verifying (1) the material has been disposed of in accordance with local, state, and federal requirements; and (2) volumes of material disposed in tons.

Unit Cost:

Item Number	Description	Units	Unit Cost
SP-1	Contaminated Soils Assessment	LS	
SP-2	Contaminated Soils Disposal as needed	TONS	

¹ Analytical results for soil samples collected around 4110 Columbia Pike, issued by Maryland Spectral Services, and dated 02/27/2023

27 February 2023

Allen Hofstetter
Petroleum Management, Inc.
1030 East Patapsco Ave.
Baltimore, MD 21225
RE: 4110 COLUMBIA PIKE

Enclosed are the results of analyses for samples received by the laboratory on 02/24/23 15:39.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

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

Sincerely,



Will Brewington
President

Analytical Results

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

Reported:
02/27/23 14:34

Project: 4110 COLUMBIA PIKE

Project Number: MILANI ARLINGTON ER
Project Manager: Allen Hofstetter

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D-COMP		3022438-01	Soil	02/23/23 11:00	02/24/23 15:39



Will Brewington, President

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

Analytical Results

Project: 4110 COLUMBIA PIKE

Project Number: MILANI ARLINGTON ER
Project Manager: Allen Hofstetter

Reported:
02/27/23 14:34

D-COMP

3022438-01 (Soil)
Sample Date: 02/23/23

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8021B Prepared by 5030-GC									
Benzene	ND		ug/kg dry	12.0	12.0	1	02/27/23	02/27/23 12:00	RH
Toluene	ND		ug/kg dry	12.0	12.0	1	02/27/23	02/27/23 12:00	RH
Ethylbenzene	176		ug/kg dry	12.0	12.0	1	02/27/23	02/27/23 12:00	RH
Xylenes, Total	43.5		ug/kg dry	24.0	24.0	1	02/27/23	02/27/23 12:00	RH
<i>Surrogate: a,a,a-Trifluorotoluene</i>		85-115		109 %			02/27/23	02/27/23 12:00	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	4820		mg/kg dry	319	319	20	02/24/23	02/27/23 12:40	EH
<i>Surrogate: o-Terphenyl</i>		70-130		%			02/24/23	02/27/23 12:40	S-01
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	83		%			1	02/24/23	02/27/23 09:23	TA

Will Brewington, President

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All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

Analytical Results

Project: 4110 COLUMBIA PIKE

Project Number: MILANI ARLINGTON ER
Project Manager: Allen Hofstetter

Reported:
02/27/23 14:34

Notes and Definitions

- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.



Will Brewington, President

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Company Name: PETROLEUM MANAGEMENT		Project Manager: ALLEN HOFSTETTER		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: 4110 COLUMBIA AVE		Project ID: MILANI ARLINGTON ER												No. of Containers BTEX (8021) TPH/DRO (8015)		
Sampler(s): HOWARD TAYLOR		P.O. Number:											Matrix Codes: NW (non-potable water), DW (drinking water)			
Field Sample ID	Date	Time	DW										Water	Soil	Other	Preservative
D-COMP	2/23/23	11:00			✓					3022438-01						
Relinquished by: (Signature) <i>Howard Taylor</i>		Date/Time 2/24/23 14:25		Received by: (Signature) <i>Wesley Ecker</i>		Relinquished by: (Signature) <i>Wesley Ecker</i>		Date/Time 2/24/23 14:29		Received by: (Signature) <i>Michael Edillon</i>						
(Printed) HOWARD TAYLOR				(Printed) WESLEY ECKER		(Printed) WESLEY ECKER				(Printed) Michael Edillon						
Relinquished by: (Signature) <i>Michael Edillon</i>		Date/Time 2/24/23 3:28		Received by Lab: (Signature) <i>Lori Foster</i>		Turn Around Time:		Lab Use:								
(Printed) Michael Edillon				(Printed) Lori Foster		<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input checked="" type="checkbox"/> Next Day - need anal of dry metals <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: _____°C 2.6 <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day								
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments: D-COMP 2-24-23 15:39										Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days				

per Allen