

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### GeoEnviro Consulting

P-242, 2040 Mill Creek Road, Levittown, PA

P-242

SGS Job Number: JD64807

Sampling Date: 05/01/23

#### Report to:

Geo-Enviro Consulting Remediation  
371 Hoes Lane Suite 200  
Piscataway, NJ 08854  
mebel@geoenviroconsulting.com

ATTN: Martin Ebel

Total number of pages in report: 18



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in blue ink, appearing to read "D. Chastain".

David Chastain  
General Manager

Client Service contact: Schuyler E. Weiss 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

# Table of Contents

-1-

<b>Section 1: Sample Summary</b> .....	<b>3</b>
<b>Section 2: Summary of Hits</b> .....	<b>4</b>
<b>Section 3: Sample Results</b> .....	<b>6</b>
<b>3.1:</b> JD64807-1: VP-03 .....	7
<b>3.2:</b> JD64807-2: VP-02 .....	8
<b>3.3:</b> JD64807-3: SB-01 .....	9
<b>3.4:</b> JD64807-4: SB-02 .....	10
<b>3.5:</b> JD64807-5: SB-03 .....	11
<b>3.6:</b> JD64807-6: SB-04 .....	12
<b>3.7:</b> JD64807-7: SB-05 .....	13
<b>3.8:</b> JD64807-8: SB-05A .....	14
<b>3.9:</b> JD64807-9: SB-06 .....	15
<b>Section 4: Misc. Forms</b> .....	<b>16</b>
<b>4.1:</b> Chain of Custody .....	17



## Sample Summary

GeoEnviro Consulting

**Job No:** JD64807

P-242, 2040 Mill Creek Road, Levittown, PA  
 Project No: P-242

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:  
 Organics ND = Not detected above the MDL

JD64807-1	05/01/23	10:50 CT	05/01/23	SO	Soil	VP-03
JD64807-2	05/01/23	11:05 CT	05/01/23	SO	Soil	VP-02
JD64807-3	05/01/23	12:30 CT	05/01/23	SO	Soil	SB-01
JD64807-4	05/01/23	01:00 CT	05/01/23	SO	Soil	SB-02
JD64807-5	05/01/23	01:45 CT	05/01/23	SO	Soil	SB-03
JD64807-6	05/01/23	02:00 CT	05/01/23	SO	Soil	SB-04
JD64807-7	05/01/23	02:20 CT	05/01/23	SO	Soil	SB-05
JD64807-8	05/01/23	02:30 CT	05/01/23	SO	Soil	SB-05A
JD64807-9	05/01/23	02:40 CT	05/01/23	SO	Soil	SB-06

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## Summary of Hits

**Job Number:** JD64807  
**Account:** GeoEnviro Consulting  
**Project:** P-242, 2040 Mill Creek Road, Levittown, PA  
**Collected:** 05/01/23

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

**JD64807-1 VP-03**

Benzene	0.0017	0.00065	0.00060	mg/kg	SW846 8260D
Isopropylbenzene	0.0055	0.0026	0.0019	mg/kg	SW846 8260D
1,2,4-Trimethylbenzene	0.0010 J	0.0026	0.00065	mg/kg	SW846 8260D

**JD64807-2 VP-02**

No hits reported in this sample.

**JD64807-3 SB-01**

Benzene	0.0072	0.00075	0.00068	mg/kg	SW846 8260D
Toluene	0.0653	0.0015	0.00079	mg/kg	SW846 8260D
Ethylbenzene	0.0138	0.0015	0.00068	mg/kg	SW846 8260D
Xylene (total)	0.154	0.0015	0.00069	mg/kg	SW846 8260D
Naphthalene	0.0049 J	0.0075	0.0038	mg/kg	SW846 8260D
1,2,4-Trimethylbenzene	0.0335	0.0030	0.00075	mg/kg	SW846 8260D
1,3,5-Trimethylbenzene	0.0124	0.0030	0.00065	mg/kg	SW846 8260D

**JD64807-4 SB-02**

Benzene <sup>a</sup>	0.0616	0.036	0.033	mg/kg	SW846 8260D
Toluene <sup>a</sup>	0.0815	0.072	0.038	mg/kg	SW846 8260D
Naphthalene <sup>a</sup>	0.279 J	0.36	0.18	mg/kg	SW846 8260D
1,2,4-Trimethylbenzene <sup>a</sup>	0.0468 J	0.14	0.036	mg/kg	SW846 8260D

**JD64807-5 SB-03**

Benzene	0.00097	0.00061	0.00055	mg/kg	SW846 8260D
Toluene	0.0012	0.0012	0.00064	mg/kg	SW846 8260D

**JD64807-6 SB-04**

No hits reported in this sample.

**JD64807-7 SB-05**

Benzene	0.0080	0.00052	0.00048	mg/kg	SW846 8260D
Toluene	0.0035	0.0010	0.00055	mg/kg	SW846 8260D
Xylene (total)	0.00055 J	0.0010	0.00048	mg/kg	SW846 8260D

**JD64807-8 SB-05A**

Benzene <sup>b</sup>	0.0578	0.030	0.027	mg/kg	SW846 8260D
----------------------	--------	-------	-------	-------	-------------

## Summary of Hits

**Job Number:** JD64807  
**Account:** GeoEnviro Consulting  
**Project:** P-242, 2040 Mill Creek Road, Levittown, PA  
**Collected:** 05/01/23

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ethylbenzene <sup>b</sup>		0.830	0.060	0.027	mg/kg	SW846 8260D
Xylene (total) <sup>b</sup>		0.103	0.060	0.027	mg/kg	SW846 8260D
Naphthalene <sup>b</sup>		1.18	0.30	0.15	mg/kg	SW846 8260D
Isopropylbenzene <sup>b</sup>		6.73	0.12	0.085	mg/kg	SW846 8260D
1,2,4-Trimethylbenzene <sup>b</sup>		0.376	0.12	0.030	mg/kg	SW846 8260D
1,3,5-Trimethylbenzene <sup>b</sup>		0.135	0.12	0.026	mg/kg	SW846 8260D

**JD64807-9 SB-06**

No hits reported in this sample.

- (a) Dilution required due to high concentration of non-target compound.
- (b) Dilution required due to high concentration of target compound.

Sample Results

---

Report of Analysis

---

# Report of Analysis

3.1  
3

<b>Client Sample ID:</b> VP-03		<b>Date Sampled:</b> 05/01/23
<b>Lab Sample ID:</b> JD64807-1		<b>Date Received:</b> 05/01/23
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.9
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183121.D	1	05/05/23 01:40	JN	05/02/23 11:57	n/a	V3C8010
Run #2							

Run #	Initial Weight
Run #1	4.3 g
Run #2	

### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0017	0.00065	0.00060	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00069	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00059	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00060	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00061	mg/kg	
91-20-3	Naphthalene	ND	0.0065	0.0033	mg/kg	
98-82-8	Isopropylbenzene	0.0055	0.0026	0.0019	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0010	0.0026	0.00065	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.0026	0.00056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-124%
17060-07-0	1,2-Dichloroethane-D4	109%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	102%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> VP-02		<b>Date Sampled:</b> 05/01/23
<b>Lab Sample ID:</b> JD64807-2		<b>Date Received:</b> 05/01/23
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 86.4
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183122.D	1	05/05/23 02:05	JN	05/02/23 11:57	n/a	V3C8010
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00064	0.00059	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00068	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00058	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00059	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00060	mg/kg	
91-20-3	Naphthalene	ND	0.0064	0.0032	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0026	0.0018	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0026	0.00064	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0026	0.00055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



### Report of Analysis

3.3

<b>Client Sample ID:</b> SB-01	<b>Date Sampled:</b> 05/01/23
<b>Lab Sample ID:</b> JD64807-3	<b>Date Received:</b> 05/01/23
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 92.4
<b>Method:</b> SW846 8260D SW846 5035	
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183123.D	1	05/05/23 02:30	JN	05/02/23 11:57	n/a	V3C8010
Run #2							

	Initial Weight
Run #1	3.6 g
Run #2	

#### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0072	0.00075	0.00068	mg/kg	
108-88-3	Toluene	0.0653	0.0015	0.00079	mg/kg	
100-41-4	Ethylbenzene	0.0138	0.0015	0.00068	mg/kg	
1330-20-7	Xylene (total)	0.154	0.0015	0.00069	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00070	mg/kg	
91-20-3	Naphthalene	0.0049	0.0075	0.0038	mg/kg	J
98-82-8	Isopropylbenzene	ND	0.0030	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0335	0.0030	0.00075	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0124	0.0030	0.00065	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	110%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	102%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-02		<b>Date Sampled:</b> 05/01/23
<b>Lab Sample ID:</b> JD64807-4		<b>Date Received:</b> 05/01/23
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.6
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3D188816.D	1	05/05/23 18:38	PS	05/02/23 11:57	n/a	V3D7928
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.3 g	5.0 ml	100 ul
Run #2			

## VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0616	0.036	0.033	mg/kg	
108-88-3	Toluene	0.0815	0.072	0.038	mg/kg	
100-41-4	Ethylbenzene	ND	0.072	0.032	mg/kg	
1330-20-7	Xylene (total)	ND	0.072	0.033	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.072	0.034	mg/kg	
91-20-3	Naphthalene	0.279	0.36	0.18	mg/kg	J
98-82-8	Isopropylbenzene	ND	0.14	0.10	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0468	0.14	0.036	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.14	0.031	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	108%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

(a) Dilution required due to high concentration of non-target compound.

ND = Not detected      MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

3.5  
3

<b>Client Sample ID:</b> SB-03		<b>Date Sampled:</b> 05/01/23
<b>Lab Sample ID:</b> JD64807-5		<b>Date Received:</b> 05/01/23
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 89.6
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183125.D	1	05/05/23 03:21	JN	05/02/23 11:57	n/a	V3C8010
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

**VOA Unleaded Gasoline with TMB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.00097	0.00061	0.00055	mg/kg	
108-88-3	Toluene	0.0012	0.0012	0.00064	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00055	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00057	mg/kg	
91-20-3	Naphthalene	ND	0.0061	0.0030	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0024	0.0017	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0024	0.00061	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0024	0.00052	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	109%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	101%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-04 <b>Lab Sample ID:</b> JD64807-6 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8260D SW846 5035 <b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA	<b>Date Sampled:</b> 05/01/23 <b>Date Received:</b> 05/01/23 <b>Percent Solids:</b> 88.6
--	--

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183165.D	1	05/08/23 18:51	JN	05/02/23 11:57	n/a	V3C8012
Run #2							

Run #	Initial Weight
Run #1	4.7 g
Run #2	

### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00060	0.00055	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00063	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00054	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00055	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00056	mg/kg	
91-20-3	Naphthalene	ND	0.0060	0.0030	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0024	0.0017	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0024	0.00060	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0024	0.00052	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	109%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

37  
3

<b>Client Sample ID:</b> SB-05	<b>Date Sampled:</b> 05/01/23
<b>Lab Sample ID:</b> JD64807-7	<b>Date Received:</b> 05/01/23
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.0
<b>Method:</b> SW846 8260D SW846 5035	
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183163.D	1	05/08/23 18:00	JN	05/02/23 11:57	n/a	V3C8012
Run #2							

Run #	Initial Weight
Run #1	5.3 g
Run #2	

### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0080	0.00052	0.00048	mg/kg	
108-88-3	Toluene	0.0035	0.0010	0.00055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00047	mg/kg	
1330-20-7	Xylene (total)	0.00055	0.0010	0.00048	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00049	mg/kg	
91-20-3	Naphthalene	ND	0.0052	0.0026	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0021	0.0015	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0021	0.00052	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0021	0.00045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-05A		
<b>Lab Sample ID:</b> JD64807-8		<b>Date Sampled:</b> 05/01/23
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 05/01/23
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 91.1
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3D188820.D	1	05/05/23 20:15	PS	05/02/23 11:57	n/a	V3D7928
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0578	0.030	0.027	mg/kg	
108-88-3	Toluene	ND	0.060	0.031	mg/kg	
100-41-4	Ethylbenzene	0.830	0.060	0.027	mg/kg	
1330-20-7	Xylene (total)	0.103	0.060	0.027	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.060	0.028	mg/kg	
91-20-3	Naphthalene	1.18	0.30	0.15	mg/kg	
98-82-8	Isopropylbenzene	6.73	0.12	0.085	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.376	0.12	0.030	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.135	0.12	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	127% <sup>b</sup>		79-125%
460-00-4	4-Bromofluorobenzene	118%		58-148%

(a) Dilution required due to high concentration of target compound.

(b) Outside control limits due to matrix interference.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-06		
<b>Lab Sample ID:</b> JD64807-9		<b>Date Sampled:</b> 05/01/23
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 05/01/23
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 89.1
<b>Project:</b> P-242, 2040 Mill Creek Road, Levittown, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C183164.D	1	05/08/23 18:25	JN	05/02/23 11:57	n/a	V3C8012
Run #2							

Run #	Initial Weight
Run #1	5.9 g
Run #2	

### VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00048	0.00043	mg/kg	
108-88-3	Toluene	ND	0.00095	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	0.00043	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	0.00044	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	0.00045	mg/kg	
91-20-3	Naphthalene	ND	0.0048	0.0024	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0019	0.0014	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0019	0.00048	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0019	0.00041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	101%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

Misc. Forms

---

Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



SGS North America Inc. - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL: 732-329-0200 FAX: 732-329-3499/3480  
www.sgs.com/ehsusa

FED-EX Tracking #  
Bottle Order Control # **None**  
SGS Quote #  
SGS Job # **JD64807**

EHSQA-QAC-0023-04-FORM-Standard COC

<b>Client / Reporting Information</b>		<b>Project Information</b>		<b>Requested Analysis</b>				<b>Matrix Codes</b>	
Company Name: <b>Geo-Enviro Consulting Remediation</b>		Project Name: <b>2040 Mill Creek Road</b>		<b>PADEP Unloaded Resolins</b> <b>Total Solids</b>				DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Street Address: <b>371 Hoos Lane (Suite 200)</b>		Street: <b>2040 Mill Creek Rd</b>							
City: <b>Piscataway, NJ 08854</b>		City: <b>Levi Town, PA</b>							
Project Contact: <b>Martin Ebel</b>		Billing Information (if different from Report to): Company Name: <b>SAME</b>							
Phone # <b>(412) 889-2258</b>		Client Purchase Order #							
Sampler(s) Name(s): <b>Christopher Williams</b>		Project Manager: <b>Martin Ebel</b>		Attention:					

SGS Sample #	Field ID / Point of Collection	MECHD/Val #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Characterized (Y/N)	Matrix	# of bottles	Number of preserved bottles												LAB USE ONLY		
										NO	NACH	IND	ASD	NYSP	DV Wipe	MESH	ENCORE	pH Check (Lab Use Only)						
1	VP-03		5-1-23	10:50	CT	G		SO	4						X	X	X	X						M3872
2	VP-02		5-1-23	11:05	CT	G		SO	4						X	X	X	X						MFS
3	SB-01		5-1-23	12:30	CT	G		SO	4						X	X	X	X						4952
4	SB-02		5-1-23	1:00	CT	G		SO	4						X	X	X	X						
5	SB-03		5-1-23	1:45	CT	G		SO	4						X	X	X	X						
6	SB-04		5-1-23	2:00	CT	G		SO	4						X	X	X	X						
7	SB-05		5-1-23	2:20	CT	G		SO	4						X	X	X	X						
8	SB-05A		5-1-23	2:30	CT	G		SO	4						X	X	X	X						
9	SB-06		5-1-23	2:40	CT	G		SO	4						X	X	X	X						

<b>Turn Around Time (Business Days)</b>		<b>Deliverable</b>		<b>Comments / Special Instructions</b>	
<input type="checkbox"/> 10 Business Days <input type="checkbox"/> 5 Business Days <input type="checkbox"/> 3 Business Days* <input type="checkbox"/> 2 Business Days* <input type="checkbox"/> 1 Business Day* <input type="checkbox"/> Other _____ <small>All data available via LabLink</small>		<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NJ Reduced (Level 3) <input type="checkbox"/> Full Tier 1 (Level 4) <input type="checkbox"/> Commercial "C" <input type="checkbox"/> NJ DKQP		<input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> MA MCP Criteria <input type="checkbox"/> CT RCP Criteria <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format	
Approved By (SGS PM): / Date: _____		<input type="checkbox"/> DOD-QSMS * 3x5 encases		Each sample contains (3) three Encores and (1) one Total Solids Plastic Bottle no preservative <a href="http://www.sgs.com/en/terms-and-conditions">http://www.sgs.com/en/terms-and-conditions</a>	

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: <i>[Signature]</i>	Date / Time: 5-1-23 4:05 PM	Received By: <i>[Signature]</i>	Relinquished By: <i>[Signature]</i>	Date / Time: 2	Received By: 2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5	Custody Seal #	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact   Absent	

Therm ID: See Sample Receipt Summary 4.6 1140

Initial Assessment: *[Signature]*  
Label Verifier: \_\_\_\_\_

## SGS Sample Receipt Summary

Job Number: JD64807

Client: GEO

Project: 7040 NILL CREEK ROAD

Date / Time Received: 5/1/2023 4:05:00 PM

Delivery Method: Drop Off

Airbill #s: \_\_\_\_\_

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.4);

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	<u>IR Gun</u>	
3. Cooler media:	<u>Ice (Bag)</u>	
4. No. Coolers:	<u>1</u>	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Test Strip Lot #s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
--------------------	------------------------	------------------------	------------------------

Comments

SM089-03  
Rev. Date 12/7/17

**JD64807: Chain of Custody**

Page 2 of 2

4.1  
4

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

GeoEnviro Consulting

P-242, 7040 Mill Creek Road, Levittown, PA

P-242

SGS Job Number: JD83729

Sampling Date: 03/05/24

Report to:

GeoEnviro Consulting

apeoples@geoenviroconsulting.com

ATTN: Ashley Peoples

Total number of pages in report: 9



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

A handwritten signature in blue ink, appearing to read "D. Chastain".

David Chastain  
General Manager

Client Service contact: Angela Lattanzio 732-329-0200

Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV,AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

# Table of Contents

-1-

<b>Section 1: Sample Summary</b> .....	<b>3</b>
<b>Section 2: Summary of Hits</b> .....	<b>4</b>
<b>Section 3: Sample Results</b> .....	<b>5</b>
<b>3.1: JD83729-1: SB-07</b> .....	<b>6</b>
<b>Section 4: Misc. Forms</b> .....	<b>7</b>
<b>4.1: Chain of Custody</b> .....	<b>8</b>



## Sample Summary

GeoEnviro Consulting

Job No: JD83729

P-242, 7040 Mill Creek Road, Levittown, PA  
Project No: P-242

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:  
Organics ND = Not detected above the MDL

---

JD83729-1	03/05/24	12:45 CT	03/05/24	SO	Soil	SB-07
-----------	----------	----------	----------	----	------	-------

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## Summary of Hits

**Job Number:** JD83729  
**Account:** GeoEnviro Consulting  
**Project:** P-242, 7040 Mill Creek Road, Levittown, PA  
**Collected:** 03/05/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JD83729-1      SB-07

No hits reported in this sample.

Sample Results

---

Report of Analysis

---

# Report of Analysis

<b>Client Sample ID:</b> SB-07		<b>Date Sampled:</b> 03/05/24
<b>Lab Sample ID:</b> JD83729-1		<b>Date Received:</b> 03/05/24
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 87.3
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> P-242, 7040 Mill Creek Road, Levittown, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I256275.D	1	03/06/24 13:26	JN	03/05/24 15:37	n/a	VI10367
Run #2							

Run #	Initial Weight
Run #1	6.0 g
Run #2	

## VOA Unleaded Gasoline with TMB List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00048	0.00043	mg/kg	
108-88-3	Toluene	ND	0.00095	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	0.00043	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	0.00044	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	0.00045	mg/kg	
91-20-3	Naphthalene	ND	0.0048	0.0024	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0019	0.0014	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0019	0.00048	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0019	0.00041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		80-124%
17060-07-0	1,2-Dichloroethane-D4	112%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



Misc. Forms

---

Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

GO

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #
SGS Quote #
Bottle Order Contr # AL-021924-205
SGS Job # JD83729

Client / Reporting Information, Project Information, Requested Analysis, Matrix Codes, Collection, LAB USE ONLY

PADEP Shortlist for
Unleaded Gasoline
1, 2, 4-TMBs
1, 3, 5-TMBs
Total Solids

4.1
4

Turn Around Time (Business Days), Deliverable, Comments / Special Instructions

3x5g Encore with 1
Total Solids bottle
Sample Name changed to SB-07
Initial Assessment 2A-SW
Label Verification

Relinquished By, Received By, Date / Time, Custody Seal #, Intact, Not Intact, Absent, Therm ID, On Ice, Cooler Temp. °C

JD83729: Chain of Custody

Page 1 of 2



## SGS Sample Receipt Summary

Job Number: JD83729

Client: GEOENVIRO CONSULTING

Project: VOC ANALYSIS

Date / Time Received: 3/5/2024 3:04:00 PM

Delivery Method: CLIENT

Airbill #'s: \_\_\_\_\_

Cooler Temps (Raw Measured) °C: Cooler 1: (1.9);

Cooler Temps (Corrected) °C: Cooler 1: ();

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	<u>IR-40</u>	
3. Cooler media:	<u>Ice (Bag)</u>	
4. No. Coolers:	<u>1</u>	

<u>Quality Control Preservatio</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>	

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Test Strip Lot #s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
--------------------	------------------------	------------------------	------------------------

Comments

SM089-03  
Rev. Date 12/7/17

**JD83729: Chain of Custody**

Page 2 of 2

4.1  
4