BODINE
SERVICES OF THE MIDWEST

Industrial Plant Maintenance
Tank Removal/Cleaning
Wet/Dry Vacuuming
24 Hour Service
Video Inspection
Waste Transportation

High Pressure Water Blasting
Municipal Sewer Cleaning
Environmental Audits
Spill Response`
Site Remediation
Hi-Rail Vacuuming

May 8, 2020

Blue Ridge CUSD 18
Attn: Brad Stout
230 E Monroe St.
Farmer City, Illinois 61842

RE: Potential Diesel Fuel Contamination

To Whom It May Concern:

Bodine Environmental Services, Inc. was contacted by Mr. Brad Stout, a representative of Blue Ridge CUSD #18 back in April 2020. Bodine arrived on site shortly after to do a site investigation. Bodine determined the best route to go about determining the extent of diesel fuel release or "releases" was to do some soil borings ahead of time. Bodine contracted Heartland Drilling & Remediation, Inc. out of Springfield, Illinois to complete the soil borings. An Environmental Project Manager, Jarrod Shasteen, and an Environmental Engineer/ Waste Specialist, Bob Rogers, utilized a Photoionization Detector to determine the range of VOC's in the soil. 6 total borings were done, each to 12 feet at strategic locations in and around the area in question. At each boring, 13 separate readings were taken at approximately 1 foot apart, starting from the top of the gravel to 12 feet down the boring. 1 soil core sample was taken from each boring at the depth to where the reading was the highest on the PID monitor. This is true excluding, X-102 where no detection was observed, therefore, the sample was taken at 3 Feet. The soil samples were taken by Chain of Custody to Teklab and analyzed for BTEX and PNA. All soil samples came below TACO TIER 1 objectives.

Any questions pertaining to the drilling, PID results, or soil sample results may be directed towards Bodine Environmental Project Manager: Jarrod Shasteen (309)472-0808.

Respectfully Submitted,

BODINE ENVIRONMENTAL SERVICES, INC

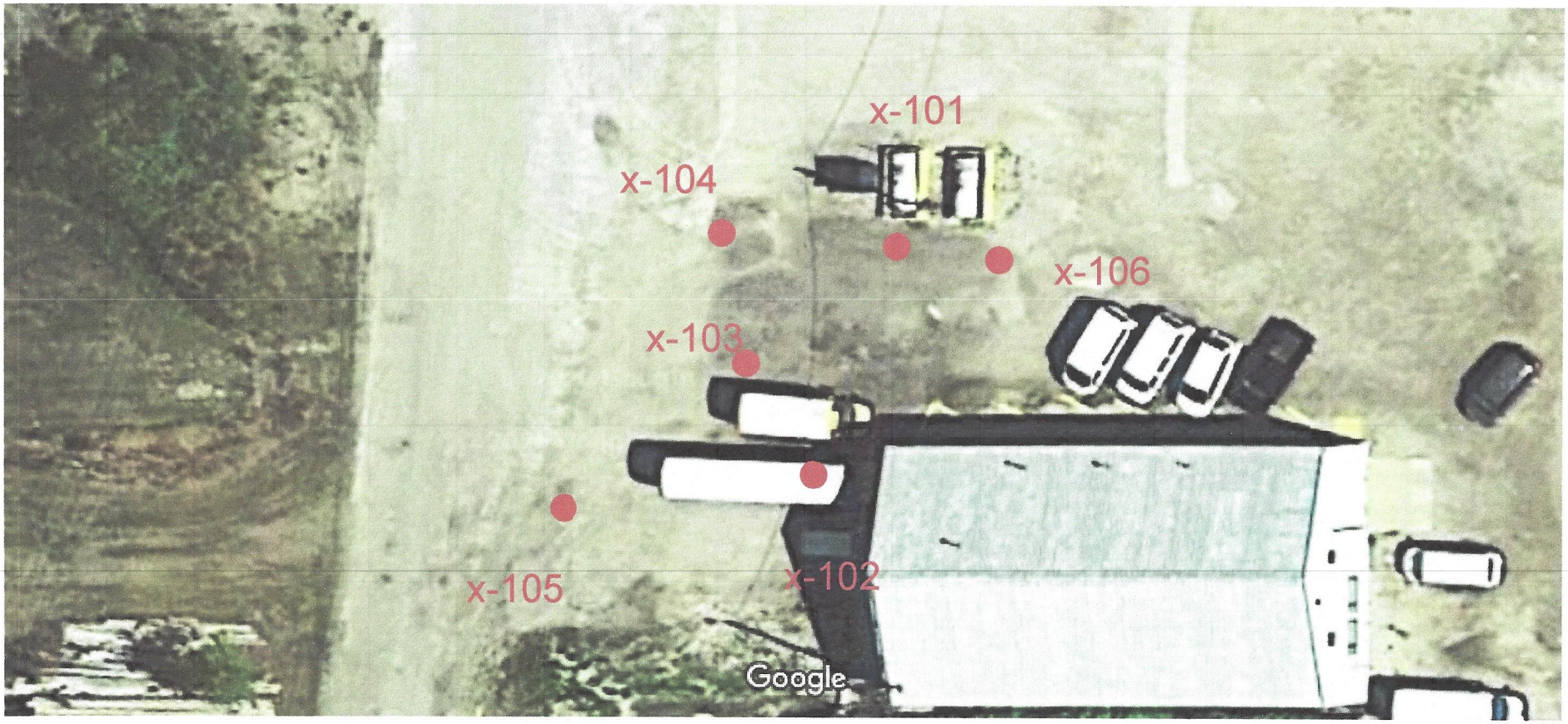
Jarrod Shasteen
Environmental Project Manager

Enclosures (4):

Site Map
PID results table
Laboratory Soil Sample Results
TACO TIER 1 objectives table

5350 E Firehouse Rd ▪ Decatur, IL 62521 ▪ Phone: 217-428-3629 ▪ Fax: 217-864-2086

Google Maps



Map data ©2020 , Map data ©2020 20 ft

BODINE
ENVIRONMENTAL SERVICES

Environmental Consulting
Waste Transportation and Mgt.
AST/UST Cleaning & Removal
Asbestos Services
Environmental Demolition
Lab Pack Services

Environmental Contracting
Emergency Spill Response
Dry Ice Blast Cleaning
Mercury Spill Vacuuming
Site Remediation
Frac Tank Services

PID Analyzer Results

DEPTH(FT)/LOCATION	X-101	X-102	X-103	X-104	X-105	X-106
Top (0-6in)	2.4	0.0	1.4	5.4	4.5	0.0
1ft	2.4	0.0	0.5	1.6	0.0	0.0
2ft	5.0	0.0	0.0	0.6	0.0	0.0
3ft	1.0	0.0	0.0	0.2	0.0	0.0
4ft	1.0	0.0	0.2	0.6	0.0	0.0
5ft	0.3	0.0	0.6	0.4	0.0	2.9
6ft	0.5	0.0	0.0	0.7	0.0	3.4
7ft	0.3	0.0	0.0	0.0	0.0	0.2
8ft	0.0	0.0	0.0	0.0	0.0	0.0
9ft	0.0	0.0	0.0	0.2	0.0	0.0
10ft	0.0	0.0	0.0	0.4	0.0	0.2
11ft	0.0	0.0	0.0	0.0	0.0	0.0
12ft	0.0	0.0	0.0	0.0	0.0	0.0

Blue Shaded boxes indicate highest contamination detected. Samples were taken from each boring where highest detection was observed.

5350 E Firehouse Rd. ▪ Decatur, IL ▪ Phone: 800-637-2379 ▪ Fax: 217-864-2086

May 08, 2020

Jarrod Shasteen
Bodine Environmental Services, Inc.
5350 E. Firehouse Road
Decatur, IL 62521
TEL: (309) 472-0808
FAX: (217) 864-2086

NELAP ACCREDITED TNI LABORATORY

RE: Blue Ridge/127203

WorkOrder: 20041741

Dear Jarrod Shasteen:

TEKLAB, INC received 6 samples on 4/30/2020 1:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Aaron Renner
Project Manager
(630)324-6855
arenner@teklabinc.com

Client: Bodine Environmental Services, Inc.
Work Order: 20041741

Client Project: Blue Ridge/127203
Report Date: 08-May-2020

This reporting package includes the following:

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.□"
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Client: Bodine Environmental Services, Inc.

Client Project: Blue Ridge/127203

Work Order: 20041741

Report Date: 08-May-2020

Cooler Receipt Temp: 3.8 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2021	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2021	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2020	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2020	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2021	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Lab ID: 20041741-001 **Client Sample ID:** X-101

Matrix: SOLID **Collection Date:** 04/28/2020 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**21.9**	%	1	04/30/2020 14:57	R276112
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Acenaphthylene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Anthracene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Benzo(a)anthracene	NELAP	0.0127		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Benzo(a)pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Benzo(b)fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Benzo(g,h,i)perylene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Benzo(k)fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Chrysene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Dibenzo(a,h)anthracene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Fluorene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Indeno(1,2,3-cd)pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Naphthalene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Phenanthrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	05/04/2020 19:57	164722
Surr: 2-Fluorobiphenyl	*	8.85-90.5		**84.3**	%REC	1	05/04/2020 19:57	164722
Surr: Nitrobenzene-d5	*	5-102		**69.4**	%REC	1	05/04/2020 19:57	164722
Surr: p-Terphenyl-d14	*	18.4-103		**68.9**	%REC	1	05/04/2020 19:57	164722
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	26	J	**.016**	µg/Kg-dry	12.5	04/30/2020 16:04	164756
Ethylbenzene	NELAP	51	J	**.012**	µg/Kg-dry	12.5	04/30/2020 16:04	164756
Toluene	NELAP	51	J	**.011**	µg/Kg-dry	12.5	04/30/2020 16:04	164756
Xylenes, Total	NELAP	200	J	**.140**	µg/Kg-dry	12.5	04/30/2020 16:04	164756
Surr: 1,2-Dichloroethane-d4	*	74-124		**91.3**	%REC	12.5	04/30/2020 16:04	164756
Surr: 4-Bromofluorobenzene	*	79.4-123		**94.6**	%REC	12.5	04/30/2020 16:04	164756
Surr: Dibromofluoromethane	*	89.2-112		**99.4**	%REC	12.5	04/30/2020 16:04	164756
Surr: Toluene-d8	*	85-115		**96.8**	%REC	12.5	04/30/2020 16:04	164756

Elevated reporting limits due to high levels of petroleum hydrocarbons.

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Lab ID: 20041741-002 **Client Sample ID:** X-102

Matrix: SOLID **Collection Date:** 04/28/2020 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**20.4**	%	1	04/30/2020 14:57	R276112
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Acenaphthylene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Anthracene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Benzo(a)anthracene	NELAP	0.0121		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Benzo(a)pyrene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Benzo(b)fluoranthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Benzo(g,h,i)perylene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Benzo(k)fluoranthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Chrysene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Dibenzo(a,h)anthracene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Fluoranthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Fluorene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Indeno(1,2,3-cd)pyrene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Naphthalene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Phenanthrene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Pyrene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 16:02	164722
Surr: 2-Fluorobiphenyl	*	8.85-90.5		**77.3**	%REC	1	05/05/2020 16:02	164722
Surr: Nitrobenzene-d5	*	5-102		**65.3**	%REC	1	05/05/2020 16:02	164722
Surr: p-Terphenyl-d14	*	18.4-103		**66.1**	%REC	1	05/05/2020 16:02	164722
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.2		**ND**	µg/Kg-dry	1	04/30/2020 14:18	164756
Ethylbenzene	NELAP	2.3		**ND**	µg/Kg-dry	1	04/30/2020 14:18	164756
Toluene	NELAP	2.3		**ND**	µg/Kg-dry	1	04/30/2020 14:18	164756
Xylenes, Total	NELAP	9.2		**ND**	µg/Kg-dry	1	04/30/2020 14:18	164756
Surr: 1,2-Dichloroethane-d4	*	74-124		**100.1**	%REC	1	04/30/2020 14:18	164756
Surr: 4-Bromofluorobenzene	*	79.4-123		**121.6**	%REC	1	04/30/2020 14:18	164756
Surr: Dibromofluoromethane	*	89.2-112		**104.5**	%REC	1	04/30/2020 14:18	164756
Surr: Toluene-d8	*	85-115		**104.7**	%REC	1	04/30/2020 14:18	164756

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Lab ID: 20041741-003 **Client Sample ID:** X-103

Matrix: SOLID **Collection Date:** 04/28/2020 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture	*	0.1		7.1	%	1	04/30/2020 14:57	R276112
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Acenaphthylene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Anthracene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Benzo(a)anthracene	NELAP	0.0160		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Benzo(a)pyrene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Benzo(b)fluoranthene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Benzo(g,h,i)perylene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Benzo(k)fluoranthene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Chrysene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Dibenzo(a,h)anthracene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Fluoranthene	NELAP	0.0054	J	0.0032	mg/Kg-dry	1	05/05/2020 16:35	164722
Fluorene	NELAP	0.0054	J	0.0027	mg/Kg-dry	1	05/05/2020 16:35	164722
Indeno(1,2,3-cd)pyrene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Naphthalene	NELAP	0.0054		ND	mg/Kg-dry	1	05/05/2020 16:35	164722
Phenanthrene	NELAP	0.0054		0.0080	mg/Kg-dry	1	05/05/2020 16:35	164722
Pyrene	NELAP	0.0054	J	0.0043	mg/Kg-dry	1	05/05/2020 16:35	164722
Surr: 2-Fluorobiphenyl	*	8.85-90.5		73.3	%REC	1	05/05/2020 16:35	164722
Surr: Nitrobenzene-d5	*	5-102		55.2	%REC	1	05/05/2020 16:35	164722
Surr: p-Terphenyl-d14	*	18.4-103		61.2	%REC	1	05/05/2020 16:35	164722
Elevated reporting limit due to sample composition.								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	29.2		ND	µg/Kg-dry	12.5	04/30/2020 16:57	164756
Ethylbenzene	NELAP	58	J	43	µg/Kg-dry	12.5	04/30/2020 16:57	164756
Toluene	NELAP	58.4		ND	µg/Kg-dry	12.5	04/30/2020 16:57	164756
Xylenes, Total	NELAP	234		242	µg/Kg-dry	12.5	04/30/2020 16:57	164756
Surr: 1,2-Dichloroethane-d4	*	74-124		88.0	%REC	12.5	04/30/2020 16:57	164756
Surr: 4-Bromofluorobenzene	*	79.4-123		97.9	%REC	12.5	04/30/2020 16:57	164756
Surr: Dibromofluoromethane	*	89.2-112		99.2	%REC	12.5	04/30/2020 16:57	164756
Surr: Toluene-d8	*	85-115		102.3	%REC	12.5	04/30/2020 16:57	164756
Elevated reporting limits due to high levels of petroleum hydrocarbons.								

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Lab ID: 20041741-004 **Client Sample ID:** X-104

Matrix: SOLID **Collection Date:** 04/28/2020 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.2**	%	1	04/30/2020 14:58	R276112
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Acenaphthylene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Anthracene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Benzo(a)anthracene	NELAP	0.0349		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Benzo(a)pyrene	NELAP	0.012	J	**0.0035**	mg/Kg-dry	2	05/05/2020 17:08	164722
Benzo(b)fluoranthene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Benzo(g,h,i)perylene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Benzo(k)fluoranthene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Chrysene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Dibenzo(a,h)anthracene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Fluoranthene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Fluorene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Indeno(1,2,3-cd)pyrene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Naphthalene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Phenanthrene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Pyrene	NELAP	0.0119		**ND**	mg/Kg-dry	2	05/05/2020 17:08	164722
Surr: 2-Fluorobiphenyl	*	8.85-90.5		**71.8**	%REC	2	05/05/2020 17:08	164722
Surr: Nitrobenzene-d5	*	5-102		**55.3**	%REC	2	05/05/2020 17:08	164722
Surr: p-Terphenyl-d14	*	18.4-103		**62.2**	%REC	2	05/05/2020 17:08	164722
Elevated reporting limit due to sample composition.								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	7.069.8 mg/kg		**ND**	µg/Kg-dry	12.5	04/30/2020 16:30	164756
Ethylbenzene	NELAP	140		**ND**	µg/Kg-dry	12.5	04/30/2020 16:30	164756
Toluene	NELAP	140		**ND**	µg/Kg-dry	12.5	04/30/2020 16:30	164756
Xylenes, Total	NELAP	560	J	**100**	µg/Kg-dry	12.5	04/30/2020 16:30	164756
Surr: 1,2-Dichloroethane-d4	*	74-124		**87.9**	%REC	12.5	04/30/2020 16:30	164756
Surr: 4-Bromofluorobenzene	*	79.4-123		**93.0**	%REC	12.5	04/30/2020 16:30	164756
Surr: Dibromofluoromethane	*	89.2-112		**99.4**	%REC	12.5	04/30/2020 16:30	164756
Surr: Toluene-d8	*	85-115		**97.5**	%REC	12.5	04/30/2020 16:30	164756
Elevated reporting limit due to matrix interference.								

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Lab ID: 20041741-005 **Client Sample ID:** X-105

Matrix: SOLID **Collection Date:** 04/28/2020 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.4**	%	1	04/30/2020 14:58	R276112
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 17:42	164722
Acenaphthylene	NELAP	0.0041	J	**0.0016**	mg/Kg-dry	1	05/05/2020 17:42	164722
Anthracene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 17:42	164722
Benzo(a)anthracene	NELAP	0.012	J	**0.0053**	mg/Kg-dry	1	05/05/2020 17:42	164722
Benzo(a)pyrene	NELAP	0.0041		**0.0069**	mg/Kg-dry	1	05/05/2020 17:42	164722
Benzo(b)fluoranthene	NELAP	0.0041		**0.0150**	mg/Kg-dry	1	05/05/2020 17:42	164722
Benzo(g,h,i)perylene	NELAP	0.0041		**0.0053**	mg/Kg-dry	1	05/05/2020 17:42	164722
Benzo(k)fluoranthene	NELAP	0.0041	J	**0.0041**	mg/Kg-dry	1	05/05/2020 17:42	164722
Chrysene	NELAP	0.0041		**0.0069**	mg/Kg-dry	1	05/05/2020 17:42	164722
Dibenzo(a,h)anthracene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 17:42	164722
Fluoranthene	NELAP	0.0041		**0.0130**	mg/Kg-dry	1	05/05/2020 17:42	164722
Fluorene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 17:42	164722
Indeno(1,2,3-cd)pyrene	NELAP	0.0041		**0.0045**	mg/Kg-dry	1	05/05/2020 17:42	164722
Naphthalene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 17:42	164722
Phenanthrene	NELAP	0.0041		**ND**	mg/Kg-dry	1	05/05/2020 17:42	164722
Pyrene	NELAP	0.0041		**0.0122**	mg/Kg-dry	1	05/05/2020 17:42	164722
Surr: 2-Fluorobiphenyl	*	8.85-90.5		**75.6**	%REC	1	05/05/2020 17:42	164722
Surr: Nitrobenzene-d5	*	5-102		**64.6**	%REC	1	05/05/2020 17:42	164722
Surr: p-Terphenyl-d14	*	18.4-103		**60.2**	%REC	1	05/05/2020 17:42	164722
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.4		**1.6**	µg/Kg-dry	1	04/30/2020 15:12	164756
Ethylbenzene	NELAP	2.8		**106**	µg/Kg-dry	1	04/30/2020 15:12	164756
Toluene	NELAP	2.8		**3.0**	µg/Kg-dry	1	04/30/2020 15:12	164756
Xylenes, Total	NELAP	11.1		**515**	µg/Kg-dry	1	04/30/2020 15:12	164756
Surr: 1,2-Dichloroethane-d4	*	74-124		**92.9**	%REC	1	04/30/2020 15:12	164756
Surr: 4-Bromofluorobenzene	*	79.4-123		**99.6**	%REC	1	04/30/2020 15:12	164756
Surr: Dibromofluoromethane	*	89.2-112		**101.0**	%REC	1	04/30/2020 15:12	164756
Surr: Toluene-d8	*	85-115		**110.6**	%REC	1	04/30/2020 15:12	164756

Client: Bodine Environmental Services, Inc. **Work Order:** 20041741

Client Project: Blue Ridge/127203 **Report Date:** 08-May-2020

Lab ID: 20041741-006 **Client Sample ID:** X-106

Matrix: SOLID **Collection Date:** 04/28/2020 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550C, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**20.4**	%	1	04/30/2020 14:58	R276112
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.0083		**0.0204**	mg/Kg-dry	2	05/05/2020 18:15	164722
Acenaphthylene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Anthracene	NELAP	0.0083	J	**0.0049**	mg/Kg-dry	2	05/05/2020 18:15	164722
Benzo(a)anthracene	NELAP	0.0245		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Benzo(a)pyrene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Benzo(b)fluoranthene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Benzo(g,h,i)perylene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Benzo(k)fluoranthene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Chrysene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Dibenzo(a,h)anthracene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Fluoranthene	NELAP	0.0083	J	**0.0082**	mg/Kg-dry	2	05/05/2020 18:15	164722
Fluorene	NELAP	0.0083		**0.0229**	mg/Kg-dry	2	05/05/2020 18:15	164722
Indeno(1,2,3-cd)pyrene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Naphthalene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Phenanthrene	NELAP	0.0083		**ND**	mg/Kg-dry	2	05/05/2020 18:15	164722
Pyrene	NELAP	0.0083		**0.0155**	mg/Kg-dry	2	05/05/2020 18:15	164722
Surr: 2-Fluorobiphenyl	*	8.85-90.5		**81.8**	%REC	2	05/05/2020 18:15	164722
Surr: Nitrobenzene-d5	*	5-102		**64.0**	%REC	2	05/05/2020 18:15	164722
Surr: p-Terphenyl-d14	*	18.4-103		**69.4**	%REC	2	05/05/2020 18:15	164722
Elevated reporting limit due to sample extract composition.								
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0	J	**0.9**	µg/Kg-dry	1	04/30/2020 15:38	164756
Ethylbenzene	NELAP	1.9		**ND**	µg/Kg-dry	1	04/30/2020 15:38	164756
Toluene	NELAP	1.9		**ND**	µg/Kg-dry	1	04/30/2020 15:38	164756
Xylenes, Total	NELAP	7.6	J	**3.6**	µg/Kg-dry	1	04/30/2020 15:38	164756
Surr: 1,2-Dichloroethane-d4	*	74-124		**113.3**	%REC	1	04/30/2020 15:38	164756
Surr: 4-Bromofluorobenzene	*	79.4-123		**122.4**	%REC	1	04/30/2020 15:38	164756
Surr: Dibromofluoromethane	*	89.2-112		**110.8**	%REC	1	04/30/2020 15:38	164756
Surr: Toluene-d8	*	85-115	S	**116.8**	%REC	1	04/30/2020 15:38	164756
Surrogate recovery is outside control limits due to matrix interference.								

Receiving Check List

Teklab, Inc. Environmental Laboratory

http://www.teklabinc.com/

Client: Bodine Environmental Services, Inc.

Work Order: 20041741

Client Project: Blue Ridge/127203

Report Date: 08-May-2020

Carrier: Paul Reeves

Received By: AH

Completed by: Amanda R. Ham
On: 30-Apr-2020

Reviewed by: Elizabeth A. Hurley
On: 30-Apr-2020

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	3.8
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice	☐
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	NA ☑
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY pg. ____ of ____ Work order # 20041741

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Bodine Environmental Services
Address: 5350 East Firehouse Road
City / State / Zip: Decatur, IL, 62521
Contact: Javod Shasteen Phone: 309-422-0808
E-Mail: jshasteen@bodineservices.com Fax: ____

Samples on: ICE BLUE ICE NO ICE 3.3 °C 1703
Preserved in: LAB FIELD
FOR LAB USE ONLY
Lab Notes

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No
Are these samples known to be hazardous? Yes No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. Yes No

Client Comments: *Boring Samples
*TACO Tier 1 objectives

Project Name/Number: Blue Ridge / 127203
Sample Collector's Name: Javod Shasteen
Results Requested: Standard 1-2 Day (100% Surcharge) Other ____ 3 Day (50% Surcharge)
Billing Instructions: Bodine

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: BTEX	PNA	Courier
20041741-001	X-101	4-28-20/8:40	2					1	2				X				X	X	
-002	X-102	4-28-20/9:00	2					1	2				X				X	X	
-003	X-103	4-28-20/9:20	2					1	2				X				X	X	
-004	X-104	4-28-20/9:40	2					1	2				X				X	X	
-005	X-105	4-28-20/10:00	2					1	2				X				X	X	
-006	X-106	4-28-20/10:20	2					1	2				X				X	X	
													[redacted]						

Relinquished By	Date/Time	Received By	Date/Time
[signature]	4-30-20 0852	[signature]	4-30-20 0852
[signature]	4-30-20 1300	[signature]	4/30/20 1300

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

WHITE - LAB YELLOW - SAMPLER

BODINE
SERVICES OF PEORIA LLC

Industrial Plant Maintenance
Tank Removal/Cleaning
Wet/Dry Vacuuming
24 Hour Service
Video Inspection
Waste Transportation

High Pressure Water Blasting
Municipal Sewer Cleaning
Environmental Audits
Spill Response
Site Remediation
Hi-Rail Vacuuming

Sample ID (Qualifier)					Soil Component of Groundwater Ingestion	
Sample Date	Residential		Construction Worker			
Laboratory ID	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Sample Depth (ft.)						
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polycyclic Aromatic Hydrocarbons						
SW-846 8270C-SIM or 8270C						
Compound Name						
Acenaphthene	4,700	----[c]	120,000	----[c]	570	2,900
Acenaphthylene **	2,300 [a]	----[c]	61,000 [a]	----[c]	85 [a]	420
Anthracene	23,000	----[c]	610,000	----[c]	12,000	59,000
Benzo(a)anthracene	0.9	----[c]	170	----[c]	2	8
Benzo(a)pyrene	0.09	----[c]	17	----[c]	8	82
Benzo(b)fluoranthene	0.9	----[c]	170	----[c]	5	25
Benzo(g,h,i)perylene **	2,300 [a]	----[c]	61,000 [a]	----[c]	27,000 [a]	130,000
Benzo(k)fluoranthene	9	----[c]	1,700	----[c]	49	250
Chrysene	88	----[c]	17,000	----[c]	160	800
Dibenzo(a,h)anthracene	0.09	----[c]	17	----[c]	2	7.6
Fluoranthene	3,100	----[c]	82,000	----[c]	4,300	21,000
Fluorene	3,100	----[c]	82,000	----[c]	560	2,800
Indeno(1,2,3-cd)pyrene	0.9	----[c]	170	----[c]	14	69
Naphthalene	1,600 [b]	170 [b,x]	4,100 [b]	1.8 [b]	12 [b]	18
Phenanthrene **	2,300 [a]	----[c]	61,000 [a]	----[c]	210 [a]	1,100
Pyrene	2,300 [b]	----[c]	61,000 [b]	----[c]	4,200 [b]	21,000

4203 Constitution Road □ Bartonville, IL 61607 □ 309/633-9999 □ FAX 309/633-9914

Sample ID	Residential		Soil Component Groundwater Ingestion	
Sample Date	Ingestion	Inhalation	Class I	Class II
Laboratory ID			mg/kg	mg/kg
Units	mg/kg	mg/kg		
Volatile Organic Compounds (VOCs)				
SW-846 8270C				
Compound Name				
Benzene	12	0.8	0.03	0.17
Ethylbenzene	7,800	400	13	19
Toluene	16,000	650	12	29
Xylenes (total)	16,000	320	150	150