

Souder, Miller & Associates•201 S. Halagueno St.•Carlsbad, NM 88220 (575) 689-8801

June 18, 2020

#5E28980-BG7

NMOCD District 2 1625 N. French Dr. Hobbs, NM 88240

SUBJECT: Deferral Request Report for the Green Café Federal #001H Release (NRM2010752258), Eddy County, New Mexico

To Whom it May Concern:

On behalf of Marathon Oil, Permian LLC, Souder, Miller & Associates (SMA) has prepared this Deferral Request Report that describes the remediation of a release of liquids related to oil and gas production activities at the Green Café Federal #001H site. The site is in Unit B, Section 18, Township 20S, Range 33E, Lea County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria					
Name	Green Frog Café Federal #001H	Company	Marathon Oil, Permian LLC		
API Number	30-015-45090	Location	32.5781898, -103.7015533		
Incident Number	Ν	NRM2010752258			
Estimated Date of Release	4/12/2020	Date Reported to NMOCD	4/12/2020		
Land Owner	Federal	Reported To	NMOCD, BLM		
Source of Release	Ball Valve				
Released Volume	332	Released Material	Crude Oil		
Recovered Volume	162	Net Release	170		
NMOCD Closure Criteria	>100 feet to groundwater				
SMA Response Dates	4/15/2020, 5/17/2020				

Page 2 of 3

Green Frog Café Federal #001H Deferral Request Report (NRM2010752258) June 18, 2020

## 1.0 Background

On April 12, 2020, a release was discovered at the Green Frog Café Federal #001 site due to damaged threading connecting the ball valve to Tank #3 (Crude Oil Tank). Initial response activities were conducted by Marathon Oil, Permian LLC, and included source elimination, a surface scrape of the affected area outside of the containment, and recovery activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

## 2.0 Site Information and Closure Criteria

The Green Frog Café Federal #001H is located approximately 33 miles northeast from Carlsbad, New Mexico on Federal (BLM) land at an elevation of approximately 3,533 feet above mean sea level (amsl).

Based upon NMOSE (Appendix B), depth to groundwater in the area is estimated to be 129 feet below grade surface (bgs). There is one known water source within ½-mile of the location, according to the United States Geological Survey (USGS) online water well database. The well has a recorded depth to water of 325 feet below grade surface. The nearest significant watercourse is Laguna Gatuna, located approximately 900 feet to the east. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. Upon approval of deferral, the site will be remediated and reclaimed in accordance with to 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer used for oil and gas operations.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

## 3.0 Release Characterization and Remediation Activities

On April 15 and May 17, 2020, SMA personnel performed site delineation activities by collecting soil samples around the release site (inside and outside of the containment) and throughout the visibly stained area. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter and for hydrocarbons impacts using a calibrated MiniRAE 2000 photoionization detector (PID) equipped with a 10.6 eV lamp.

A total of eight (8) sample locations (SL1-SL8) and one background sample (BG1) were investigated using a hand-auger, to depths up to four feet bgs. A minimum of two samples were collected at each sampling location and field-screened using the method above. A total of forty-one (41) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to a Hall Environmental representative.

Table 3 itemizes the samples and locations for all samples depicted on Figure 3.

Due to active oil and gas operation, SMA is requesting a deferral of remediation for the release until equipment and pipelines can be reasonably moved as the impact is within an active tank containment. The release has been delineated and does not cause imminent risk to human, health, the environment, or groundwater.

Figure 3 shows the extend of the release, sample location and deferment area.

Green Frog Café Federal #001H Deferral Request Report (NRM2010752258) Page 3 of 3 June 18, 2020

## 4.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Ashley Maxwell at 505-320-8975 or Shawna Chubbuck at 505-325-7535.

Submitted by: SOUDER, MILLER & ASSOCIATES Reviewed by:

Ashley Maxwell Project Manager

auna Chubbuck

Shawna Chubbuck Senior Scientist

## **ATTACHMENTS:**

### Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Surface Water Radius Map Figure 3: Site and Sample Location Map

### Tables:

Table 2: NMOCD Closure Criteria Justification Table 3: Summary of Sample Results

## Appendices:

Appendix A: Form C141 Appendix B: NMOSE Wells Report Appendix C: VSP Sampling Protocol Appendix D: Field Notes Appendix E: Laboratory Analytical Reports

-

•

# FIGURES

#### Received by OCD: 6/19/2020 10:41:30 AM



Received by OCD: 6/19/2020 10:41:30 AM





-

•

# TABLES

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	129	USGS (United States Geological Survey)
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	1,539	USGS (United States Geological Survey)
Hortizontal Distance to Nearest Significant Watercourse (ft)	900	United States Geological Survery Topo Map

Table 2:

NMOCD Closure Criteria

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
	Closure Criteria (units in mg/kg)					
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene	
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'	Х	20000	2500	1000	50	10
Surface Water yes or no			if ye	s, then		
<300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake? Water Well or Water Source	No No					
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? <1000' from fresh water well or spring?	No No	-				
Human and Other Areas	•	600	100		50	10
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined						
municipal fresh water well field?						
<100' from wetland?						
within area overlying a subsurface mine N						
within an unstable area?	No					
within a 100-year floodplain?	No					

Sample	Sample	Depth (feet	Proposed	BTEX	Benzene	GRO	DRO	GRO + DRO	MRO	Total TPH	CI-
ID	Date	bgs)	Action	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
	NMOCD (	Closure Criteria	•	50	10			1000		2500	20000
		0.5	Deferral	437	42	4200	21000	25200	11000	36200	<61
SL1		1	Deferral	23.9	2.4	160	6900	7060	3700	10760	<60
		2	In-Situ	0.276	0.069	<5.0	18	18	<49	18	<60
		0.5	Deferral	612	22	6300	14000	20300	4800	25100	<60
SL2		2	In-Situ	<0.221	<0.025	<5.0	29	29	<48	29	<60
		3	In-Situ	0.074	0.074	<5.0	21	21	<49	21	140
		0.5	Deferral	1014	64	9400	21000	30400	7400	37800	<60
<u> </u>		2	Deferral	225	11	2500	9200	11700	3400	15100	<60
5L5	4/15/2020	3	In-Situ	6.02	0.22	97	870	967	370	1337	<60
		4	In-Situ	0.342	0.042	8.6	160	168.6	89	257.6	<61
		0.5	Deferral	1140	130	9300	15000	24300	5500	29800	<60
SL4		1	Deferral	1190	110	9800	19000	28800	6400	35200	<60
		4	In-Situ	10.95	0.35	260	530	790	210	1000	<60
	1	0.5	Deferral	813	63	8000	14000	22000	5000	27000	260
		1	Deferral	1250	110	12000	18000	30000	6200	36200	230
SL5		2	In-Situ	1.023	0.043	15	130	145	60	205	370
		4	In-Situ	0.051	0.051	<5.0	23	23	<45	23	2000
	5/17/2020	4	In-Situ	-	-	-	-	-	-	-	1900
		0.5	Deferral	1690	240	15000	21000	36000	7100	43100	80
	SL6	1	Deferral	1630	200	13000	22000	35000	8000	43000	110
SL6		2	In-Situ	0.856	0.066	<9.9	120	120	54	174	95
		4	In-Situ	0.549	0.093	<5.0	70	70	<50	70	570
		0.5	Deferral	1030	100	9300	17000	26300	5400	31700	82
SL7 4/15/2020	1	Deferral	1790	250	16000	22000	38000	7300	45300	140	
	2	Deferral	937	87	11000	14000	25000	4400	29400	81	
		4	In-Situ	0.379	0.059	<9.8	69	69	<49	69	73
	1	0.5	Deferral	700	60	6000	15000	21000	5200	26200	340
		1	Deferral	1200	150	10000	16000	26000	5200	31200	520
010		2	In-Situ	8.04	0.14	140	480	620	190	810	2300
SLO	E/17/2020	2	In-Situ	<0.216	<0.024	<4.8	65	65	<42	65	2700
	5/17/2020	4	In-Situ	0.036	0.036	<5.0	<9.9	<14.9	<50	<64.9	170
	4/15/2020	5	In-Situ	0.192	0.11	<4.9	29	29	<47	29	690
SW1		Surface	In-Situ	<0.213	<0.024	<4.7	<9.8	<14.5	<49	<63.5	<60
SW2	1	Surface	In-Situ	<0.211	<0.023	<4.7	<9.8	<14.5	<49	<63.5	<60
SW3	E/00/0000	Surface	In-Situ	<0.208	<0.023	<4.6	<9.5	<14.1	<47	<61.1	<60
SW4	5/30/2020	Surface	In-Situ	<0.215	<0.024	<4.8	<9.6	<14.4	<48	<62.4	<60
SW5	'5	Surface	In-Situ	<0.215	<0.024	<4.8	<9.3	<14.1	<46	<60.1	<60
SW6	1	Surface	In-Situ	<0.211	<0.023	<4.7	<9.6	<14.3	<48	<62.3	<60
		1	In-Situ	-	-	-	-	-	-	-	<60
BG1	5/14/2020	2	In-Situ	-	-	-	-	-	-	-	<60
	4	In-Situ	-	-	-	-	-	-	-	1900	

<u>SMA</u>

Page 10 of 107

Marathon Oil, Permian LLC Green Frog Cafe Federal #001H NRM2010752258

-

•

# APPENDIX A FORM C141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NRM2010752258
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

## **Location of Release Source**

Latitude 32.5781898

Longitude <u>-103.7015533</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Green Frog Federal #001H	Site Type Oil & Gas Facility
Date Release Discovered 4/12/2020	API# (if applicable) 30-025-40828

Unit Letter	Section	Township	Range	County
В	18	20S	33E	Lea

Surface Owner: State Federal Tribal Private (Name:

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)				
Crude Oil	Volume Released (bbls) 332	Volume Recovered (bbls) 162		
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		

Cause of Release

The source of the release was a failure in the threading where the ball valve is attached to the nipple Tank #3 (crude oil tank). The release remained inside of the containment aside from approximately 4 bbl. that remained on the engineered pad (see spill calculation). All standing fluids were recovered from inside of the containment and on the pad. Saturated pea gravel will also be removed from the containment to prevent any vertical migration of impact.

eceived by OCD: 6/19/202	0 10:41:30 AM	Page d3eo			
orm C-141	Oil Conservation Division	Incident ID	NRM2010752258		
age 2		District RP			
		Facility ID			
		Application ID			
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible pa Volume > 25 bbls	rty consider this a major release?			
If YES, was immediate n Yes, Notice was given to	otice given to the OCD? By whom? To whom? W BLM and District I NMOCD on 4/12/2020 via email	hen and by what means (phone, e il by Melodie Sanjari	email, etc)?		

## **Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 $\boxtimes$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Melodie Sanjari	Title: <u>Environmental Professional</u>
Signature: <u>Melodíe Savjaví</u>	Date: 4/13/2020
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
OCD Only	
Received by: Ramona Marcus	Date:4/16/2020

*07* 

Incident ID	NRM2010752258
District RP	
Facility ID	
Application ID	

Received by OCD: 6/19/2020 10:41:30 AM Form C-141 State of New Mexico

Oil Conservation Division

	rage 14 0j 10
Incident ID	NMR2010752258
District RP	
Facility ID	
Application ID	

11 - 610

# Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>129 (ft bgs)</u>
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

#### Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- $\square$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Page 3

Received by OCD: 6/19/2020 10:4	1:30 AM			<b>Page 15 of 10</b> %
Form C-141	State of New Mexico		Incident ID	NMR2010752258
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are required public health or the environment. T failed to adequately investigate and addition, OCD acceptance of a C-14 and/or regulations. Printed Name: Melodie Sanjari Signature: <i>Melodie Sanjari</i> email: msanjari@marathonoil.co	I to report and/or file certain release notification         he acceptance of a C-141 report by the OCD doe         remediate contamination that pose a threat to gro         1 report does not relieve the operator of respons         Title: Environmental Professio         Date: 6/19/2020         m       Telephone: 575-988-8753	and perform co s not relieve the bundwater, surfa ibility for compl nal	prrective actions for rele operator of liability sh ce water, human health iance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by: Cristina Eads		Date: 06/1	9/2020	

**Received by OCD: 6/19/2020 10:41:30 AM** Form C-141 State of New Mexico

Oil Conservation Division

Daga	16	of	10	7
1 uge	10	J.	10	1

Incident ID	NMR2010752258
District RP	
Facility ID	
Application ID	

# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

 $\boxtimes$  Extents of contamination must be fully delineated.

Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Melodie Sanjari Signature: *Melodie Sanjari* email: msanjari@marathonoil.com Title: Environmental Professional Date: 6/19/2020 Telephone: 575-988-8753

OCD Only		
Received by: Cristina Eads	Date: 06/19/2020	
Approved Approved with Attached Conditions of	Approval X Denied	Deferral Approved
Signature: Autor 2	Date: 08/26/2020	

Page 5



## NRM2010752258



# **Spill Calculation Tool**

•

Standing Liquid Inputs:							
			Avg. Liquid		Total Volume	Water Volume	Oil Volume
_	Length (ft.)	Width (ft.)	Depth (in.)	% Oil	(bbls)	(bbls)	(bbls)
Rectangle Area #1					0.00	0.00	0.00
Rectangle Area #2					0.00	0.00	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
Rectangle Area #7					0.00	0.00	0.00
Rectangle Area #8					0.00	0.00	0.00
-				Liquid Volume:	0.00	0.00	0.00
Saturated Soil Inputs:		Soil Type:	Gravel Loam Avg. Saturated	]	Total Volume	Water Volume	Oil Volume
		Area (ft.)	Depth (in.)	% Oil	(bbls)	(bbls)	(bbls)
Rectangle Area #1		278	1.5	0%	0.87	0.87	0.00
Rectangle Area #2		60	0.25	0%	0.03	0.03	0.00
Rectangle Area #3		170	1.5	0%	0.53	0.53	0.00
Rectangle Area #4		100	8	0%	1.66	1.66	0.00
Rectangle Area #5		100	5	0%	1.04	1.04	0.00
Rectangle Area #6				0%	0.00	0.00	0.00
Rectangle Area #7					0.00	0.00	0.00
Rectangle Area #8					0.00	0.00	0.00
			:	Saturated Volume	4.13	4.13	0.00
Volume R	Recovered and no	t included in Stanc	ling Liquid Inputs <u>:</u>	% Oil	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
				-	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
			Total Sp	oill Volume (bbls):	4.13	4.13	0.00
				-			

.

1009 W. Broadway • Hobbs, Ne Phone (575) 390-0581 • Fax	ew Mexico (575) 394	LL 88240	C
Customer Bill of Lading 8	Deliv	erv T:	Okat
			uket
	N	2 73	618
Date Order Submitted: 04 12 70		N	RM2010752258
Customer Name: Madrid	-		
Customer P.O.#		-	
Location/Lease or Well #: Green Con	Ca C	11	11
Top GaugeBottom Gau	ude	<u> </u>	<u> </u>
COMMENTS:	НОЦВО	DATE	
Clean UP al coil Com	HOURS	RAIE	SUBTOTAL
7.00 and to Sido par Pick	10		
up 117 5615 of oil from.			
ground and place them in			
other oil tank			
	1. 1. 1.		
		Sales Tax	
Ber'd By KARD I win		TOTAL	
1000 09			

ENVIRONMENTAL SOLITAL		NRM2010752258		
SULUTIONS	NEW MEXICO NON-HAZAR	DOU: ILFIED WASTE		
5	(PLE	ASE PRINT)	IVIANIFEST Compa	any Man Contact L
Operator No.	GEN	EDAFOR	Name Phone No	
Operators Name	With the second se	ERAIOR	NO AGO	
Address		Permit/RRC No.	400	810
		Name & No.	Gul Part 1	
City, State, Zip		County	Jan Kaller Bridge Call	the factor and
Phone No.		API No.	30.045 148	Line in the second
		Rig Name & No.		
Oil Based Muds	Waste/Service Identification and Amour	AFE/PO No.		
Ull Based Cuttings Water Based Muda		it (place volume next to wa	aste type in barrels or cubic yards)	
Water Based Cuttings	<ul> <li>Completion Fluid/Flow back (Non Injectable)</li> </ul>		INJECTABLE WATERS Washout Water (Injectable)	
Tank Bottoms	Produced Water (Non-Injectable)	Die)	Completion Fluid/Flow back (Injectable)	
E&P Contaminated Soil	INTERNAL USE ONLY	able)	Gathering Line Water/Waste (Injectable)	
Gas Plant Waste	<ul> <li>Truck Washout (exempt waste)</li> </ul>		OTHER EXEMPT WASTES (type and general	tion process of the waste)
WASTE GENERATION PROCESS:	DRILLING			
	LICON	IPLETION	PRODUCTION GA	THERING LINES
All non-exempt E8	<u>RON-EXEMPTE&amp;P Waste/</u> <u>RON-EXEMPTE&amp;P Waste/</u>	Service Identification and Amo	ount	
		The states for toxicity fict	P), Ignitability, Corrosivity and Reactivity	
RCRA EXEMPT: Oil field waste	es generated from oil and gas exploration and r	roduction energy in the	ency's July 1988 regulatory determinatio	n, the above described w
load basis only	y)	ouction operations and are	not mixed with non-exempt waste (R360	Accepts certifications o
RCRA NON-EXEMPT: Oil field waste	which is non-hazardous that does not exceed	the minimum standards for wa	aste hazardous by characteristics establis	shed in RCRA regulations
hazardous is a	ttached. (Check the appropriate items as provi	FR, part 261, subpart D, as ame ided)	ended. The following documentation der	nonstrating the waste as
MSDS Informa	ntion RCRA Hazardous Waste	Analysis	Other (Provide Description Below)	
			The second se	
EMERGENCY NON-OILFEILD: Emergency nor	n-hazradous, non-oilfeild waste that has been	ordered by the Department of	f Public Safety (the order, documentation	n of non-hazardous was
determination	and a description of the waste must accompany	ny this form)	7	
(PRINT) AUTHORIZED AGENTS NAME		DATE	SIGNATU	RE
	TRAN	SPORTER		
nsporter's		Driver's Name	Lain Retting	
ne Allenation	CHERCEN.	Drint Namo	Jar He La Part to	A Contraction of the second se
dress		Phone No		
		Truck No	The A	A the second sec
ne No.		ad above and delivered withe	ut incident to the disposal facility listed b	pelow.
reby certify that the above named material(s) wa	as/were picked up at the Generator's site liste	ed above and delivered witho	at incluent to the disposal facility listed t	
Y I DUTITIONT	DRIVER'S SIGNATURE	DELIV	ERY DATE	DRIVER'S SIGNATURE
SHIPMENT DATE			DECEIVIN	GAREA
TOULOU TIMAT CTANAL	DISPOS	A FACILITY	RECEIVIN	UANLA
TRUCK TIME STAME	P DISPOS/	AL FACILITY	Name/No.	UANLA



R366	NEWALNER	
IVIRONMENTAL SOLUTIONS	NEW MEXICO NON-HAZARDOUS OILFIELD WASTER (PLEASE PRINT)	MANIFEST Company Man Contact Informatio Name
Operator No.	GENERATOR	Phone No. 575-36/ 1907
Operators Name	Permit/RRC No. Lease/Well Name & No.	Excention aile tel 11
City, State, Zip	API No	ZA MARKEN LAND
Phone No.	Rig Name & No. AFE/PO No.	

Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste		Completion Fluid/Flow back (Injectable)         Produced Water (Injectable)         Gathering Line Water/Waste (Injectable)         OTHER EXEMPT WASTES (type and generation process of the waste)
WASTE GENERATION PROC	ESS: DRILLING COMPLET	TION PRODUCTION GATHERING LINES
Non-Exempt Other	NON-EXEMPT E&P Waste/Service All non-exempt E&P waste must be analysed and be below the thresho	e Identification and Amount old limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity. *please select from Non-Exempt Waste List on back
QUANTITY	10 B - BARRELS	L - LIQUID Y - YARDS E - EACH
I hereby certify that according to load is (Check the appropriate c	o the Resource Conservation and Recovery Act (RCRA) and the US Envir lassification)	ronmental Protection Agency's July 1988 regulatory determination, the above described waste
RCRA EXEMPT:	Oil field wastes generated from oil and gas exploration and produce load basis only)	ction operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per
RCRA NON-EXEMPT:	Oil field waste which is non-hazardous that does not exceed the m 261.21-261.24, or listed hazardous waste as defined by 40 CFR, pa hazardous is attached. (Check the appropriate items as provided)	ninimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFF art 261, subpart D, as amended. The following documentation demonstrating the waste as non-
	MSDS Information RCRA Hazardous Waste Analy	lysis Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS NAME	DATE	SIGNATURE
TR	ANSPORTER	
ansporter's	Driver's Name	
me <u>MIGNIQUEE</u>	Print Name 1052	Brand
dress	Phone No.	
	Truck No.	
one No.	ite listed above and delivered without incident to the	disposal facility listed below.
ereby certify that the above named material(s) was/were picked up at the Generator's s	4 13 20	in the second
111320	DELIVERY DATE	DRIVER'S SIGNATURE
DDIVER'S SIGNATURE		<b>RECEIVING AREA</b>
SHIPMENT DATE	OSAL FACILITY	
SHIPMENT DATE DRIVER'S SIGNATORE DISP	OSAL FACILITY Nar	ne/No.
SHIPMENT DATE DRIVER'S SIGNATORE DISP TRUCK TIME STAMP OUT:	OSAL FACILITY Nar	ne/No.



# APPENDIX B NMOSE WELLS REPORT

•

	<i>Ne</i> Wate	ew Mexico Offic er Column/Av	e of vera	<i>the Sta</i> ge De	ate Eng epth te	<i>gineel</i> o Wa	r ter	
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed) POD	(quarters are 1=NW 2=N (quarters are smallest to largest)	E 3=SW 4= (NA	SE) D83 UTM in m	eters)	(In fe	et)	
	Sub-	QQQ					v	Vater
POD Number	Code basin C	County 6416 4 Sec Tws Rng	Х	Y	DistanceDep	thWellDept	hWaterCo	olumn
<u>CP 00317</u>	CP	LE 3 4 3 05 20S 33E	623054	3607235* 🌍	2282	680	325	355
				Avera	ge Depth to W	ater:	325 fe	et
					Minimum De	oth:	325 fe	et
					Maximum Dep	oth:	325 fe	et
Record Count:1								
UTMNAD83 Radiu	us Search (in meters	<u>s):</u>						
Easting (X): 62	21870.31	Northing (Y): 3605283	F	<b>adius:</b> 3000				
*UTM location was deriv	ed from PLSS - see He	elp						
The data is furnished by the concerning the accuracy.	ne NMOSE/ISC and is a completeness, reliability	accepted by the recipient with the expre	ssed underst r purpose of	anding that the (	DSE/ISC make n	o warranties, e	xpressed or	implied,
	. , , , , , ,				WATER COL			

6/17/20 11:34 AM

-

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

## **National Water Information System: Web Interface**

LISGS Water Resources	Data Category:	Geographic Area:	
USUS Water Resources	Groundwater	✓ United States	G0

## Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News 🔝

Groundwater levels for the Nation

# Search Results -- 1 sites found

site\_no list =

• 323429103421601

## **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

# USGS 323429103421601 20S.33E.18.12322

Available data for this site Groundwater: Field measurements  $\checkmark$  GO

Lea County, New Mexico

Hydrologic Unit Code 13060011 Latitude 32°34'29", Longitude 103°42'16" NAD27

Land-surface elevation 3,503 feet above NAVD88

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

# **Output formats**

Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements.

Download a presentation-quality graph

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

AccessibilityPlug-InsFOIAPrivacyPolicies and NoticesU.S. Department of the InteriorU.S. Geological SurveyTitle:Groundwater for USA:Water LevelsURL:https://nwis.waterdata.usgs.gov/nwis/gwlevels?Page Contact Information:USGS Water Data Support Team



Page Contact Information: USGS Water Data Support Tear Page Last Modified: 2020-06-17 13:38:18 EDT 0.7 0.56 nadww01

# APPENDIX C VSP SAMPLING PROTOCOL

### VSP Sample Design Report for Using Stratified Sampling to Estimate the Population Proportion

#### Summary

This report summarizes the stratified sampling design used, associated statistical assumptions, as well as general guidelines for conducting post-sampling data analysis. Sampling plan components presented here include how many sampling locations to choose and where within the sampling area to collect those samples. The type of medium to sample (i.e., soil, groundwater, etc.) and how to analyze the samples (in-situ, fixed laboratory, etc.) are addressed in other sections of the sampling plan. It is important to note that the decision for sample size calculation is determined for the combined strata, rather than any individual strata.

The following table summarizes the proportion stratified sampling design developed. A figure that shows sampling locations in the field and a table that lists sampling location coordinates are also provided below.

SUMMARY OF SAMPLING DESIGN						
Primary Objective of Design	Estimate the population proportion of all strata combined					
Criteria for Determining Total Number of Samples	Achieve pre-specified precision of the estimated proportion for specified stratum costs, but no restriction on total costs					
Sample Placement (Location) in the Field	Random sampling within grids within each stratum					
Formula for calculating number of sampling locations	From Gilbert (1987, page 51)					
Method for calculating number of sampling locations in each stratum	Optimal Allocation					
Calculated total number of samples	8					
Stratum 1	8					
Total area of all strata	889.09 m <sup>2</sup>					
Total cost of sampling <sup>a</sup>	\$5,000.00					

<sup>a</sup> Including measurement analyses and fixed overhead costs. See the Cost of Sampling section for an explanation of the costs presented here.



Area: Area 1

X Coord	Y Coord	Label	Value	Туре	Historical	Sample Area
-11544057.8731	3839447.4777			Random in Grid		
-11544044.0155	3839456.3201			Random in Grid		
-11544051.0772	3839474.1850			Random in Grid		
-11544047.3994	3839466.9769			Random in Grid		
-11544032.6385	3839466.3612			Random in Grid		
-11544018.4975	3839483.6408			Random in Grid		
-11544013.2282	3839491.4008			Random in Grid		
-11544009.3555	3839504.5826			Random in Grid		

### Primary Sampling Objective

The primary purpose of sampling at this site is to estimate the proportion for the entire site, i.e., for all strata combined, such that the estimated proportion has the minimum possible standard deviation under the condition that the sampling and measurement costs cannot exceed a specified amount. Preexisting information was used to divide the site into 1 non-overlapping strata that were expected to be more homogeneous internally than for the entire site (all strata combined). The expected variability of values within each stratum was estimated or approximated, and the stratum weights,  $W_h$ , were determined so that the total number of samples could be allocated appropriately among the strata.

### Number of Total Samples: Calculation Equation and Inputs

The total number of samples is computed to achieve the pre-specified precision of the estimated population proportion for specified stratum costs, but no restriction on total costs. *Note that the calculation is for the total number of samples, i.e., for combined strata, rather than individual strata.* 

The formula used to calculate the total number of samples is:

$$n = \frac{\left(\sum_{h=1}^{L} W_h \sqrt{P_h (1 - P_h)} \sqrt{c_h}\right) \sum_{h=1}^{L} \frac{W_h \sqrt{P_h (1 - P_h)}}{\sqrt{c_h}}}{V + \frac{1}{N} \sum_{h=1}^{L} W_h P_h (1 - P_h)}$$

where

L is the number of strata, h=1,2,...,L,

 $P_h$  is the estimated proportion of measurements in stratum h,

 $W_h = N_h / N$  is the weight associated with stratum *h*,

 $N_h'$  is the total number of possible sampling locations (units) in stratum *h*, *N* is the total number of possible units in all strata combined.

hber of possible units in all strata combined, 
$$N = \sum_{h=1}^{L} N_h$$

*V* is the pre-specified variance or precision, and

 $c_h$  is the cost of collecting and measuring a sample in stratum *h*.

The values of these inputs that result in the calculated number of sampling locations are:

Parameter	Stratum
	1
P <sub>h</sub>	0.2
C <sub>h</sub>	\$500.00
W <sub>h</sub>	889.086

Parameter Input Value



### Allocation of Samples to Strata

The total number of samples is allocated to the individual strata on an optimal basis using the formula:

$$n_{h} = n \frac{N_{h} \sqrt{P_{h}(1 - P_{h})} / \sqrt{c_{h}}}{\sum_{h=1}^{L} N_{h} \sqrt{P_{h}(1 - P_{h})} / \sqrt{c_{h}}}$$

where

- $n_h$  is the number of samples allocated to stratum h,
- L' is the number of strata,
- $N_h$  is the total number of units in stratum h,
- $P_h^{\prime\prime}$  is the proportion in stratum *h*,
- $c_h$  is the cost per population unit in stratum *h*.

*n* is the total number of units sampled in all strata,

$$n = \sum_{h=1}^{2} n_h$$

Using this formula, the number of samples allocated to each stratum is:

Stratum	Number of Samples
1	8
Total Samples	8

### Method for Determining Sampling Locations

Five methods for determining sample locations are provided in VSP: 1) simple random sampling, 2) random sampling within grids, 3) systematic sampling with a random start, 4) systematic sampling with a fixed start and 5) adaptive grid sampling. One may use a different method for each stratum, based on the conceptual site model and decision to be made for a given stratum. For this site, sample locations were chosen using random sampling within grids in each stratum.

Locating the sample points using a random sampling within grids method combines appealing aspects of both the random and the systematic grid methods. It provides data that are separated by many distances, providing information about the spatial structure of the potential contamination. It also ensures good coverage of the entire site, although not as completely as if systematic grid sampling were performed.

### **Statistical Assumptions**

The assumptions associated with the formulas for computing the number of samples are:

- 1. The estimated stratum proportions,  $P_h$ , are reasonable and representative of the stratum populations being sampled.
- 2. The sampling locations are selected using simple random sampling.
- 3. The stratum costs,  $C_h$ , and the fixed cost  $C_0$ , are accurate.

The first and third assumptions will be assessed in a post data collection analysis. The second assumption, although not strictly valid for strata where systematic grid sampling was used rather than simple random sampling, is not expected to significantly affect conclusions of the study because (1) the gridded sample locations were selected based on a random start and (2) any patterns of contamination in the field that may exist are not expected to coincide with the regularity of the grid sampling pattern

#### **Recommended Data Analysis Activities**

Post data collection activities generally follow those outlined in EPA's Guidance for Data Quality Assessment (EPA, 2000). The data analysts will become familiar with the context of the problem and goals for data collection and assessment. The data will be verified and validated before being subjected to statistical or other analyses. Graphical and analytical tools will be used to verify to the extent possible the assumptions of any statistical analyses that are performed as well as to achieve a general understanding of the data. The data will be assessed to determine whether they are adequate in both quality and quantity to support the primary objective of sampling.

Estimates for the proportion of the population values will be calculated using the formulas appropriate for stratified sampling; these formulas are found in EPA QA/G-5S (EPA, 2001). Results of the exploratory and quantitative assessments of the data will be reported, along with conclusions that may be supported by them.

This report was automatically produced\* by Visual Sample Plan (VSP) software version 7.12a.

This design was last modified 4/15/2020 8:41:14 AM.

Software and documentation available at http://vsp.pnnl.gov

Software copyright (c) 2020 Battelle Memorial Institute. All rights reserved.

<sup>\* -</sup> The report contents may have been modified or reformatted by end-user of software.

-

# APPENDIX D FIELD SCREENS

.

			Field Sc	reening			
1	Loc	ation	Name:			Dat	te:
G	reen Frog	Cat	e (Mo	rathon)		4/15/	lau
Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
31	Sand	0.5'	11:40	O.12.ppm	21.3°C	1,611ppm	
		11	11 47	O allepon	2.ºC	300 ppm	
L		2'	11:49	O.ISppn	19-9%	54.1ppm	
52		0.51	11 52	0.10ppm	19.5%	1,867ppn	
		11.	11 56	0.15ppm	19.50	BAEPPM	
	0	21	12:00	O. Alppm	19.400	229ppm	
<u>S3</u>		0.51	12:14	6.08ppm	20.400	1,847.PM	
		1'	12:21	0.13ppm	20.9%	1,450ppm	
		21	12 27	O.16ppm	30.3°C	1,387 ppm	
1							
Sa.		3'	12:59	-		158 ppm	
53		_3'	1:04		_ +	156Zppm	
K		41	1:10	-		673ppm	
54		0.5	1.13	-		1224ppm	
4		1	1120	~		890ppn	
		2'	1:23		-	1357ppm	
		3'	1.28	-		1453ppm	
		4'	1 35	-	-	1185ppm	
4		5'	1.40	-	-	1463ppm	
\$5		0.51	1:50	-	-	1295ppm	
		1'	1:53	-	-	1081 ppm	
		2'	1:57	-	-	14688pm	
		3'	2:00		-	890ppm	
		4'	2:05		-	495 ppm	
		5'	2:10			217ppm	

			Field Sc	reening					
	Lo	cation	Name:			Date			
G	Green Frog Cafe (Marathon)								
Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF		
56	Sand	0.51	2:15		_	1457ppm			
		11	2:17	_	-	1607 ppm			
		5,	2:20	-		1276ppm			
		31	2:23	~	-	1248ppm			
		41	2=24	-	-	571ppm			
		5'	2.26	-	-	552			
57		0.51	a: 30	<u> </u>	-	976ppin			
		$\mathcal{X}^{1}$	2:32	-	-	1420 ppm			
		2'	2:35	-		1460.00m			
		3`	2-38	-	_	1258 com			
		41	2-39	-		1281.000			
		5'	2:43	_		133620n.			
58		0.51	2:50	-		1295000			
		11	2=52	-	-	13(300			
		2'	2:55	-		1652.00			
		3'	2-58	-	_	1376.000	<u> </u>		
		41	2:59	_		1246ppm			
		51	3:01	_	~	311000m.	<u> </u>		
							12 IV7		
						<u>├───</u>			
		_							
						┼───┼──			

	-			riela So	creening			
~		Lo	cation	Name:		1621	Date	<b>;</b>
Green	Fro	g led					5-11717	1
Sample Nam	e:	Soil Type:	Depth (BGŞ)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	) PF
325		tan Sund	<u>ч`</u>	1408	2.57	30.0		
518		Dk Sund	2'	1432	2.16	24.5		
			4'	1435	0.47	28.6	_	
	<u> </u>							
				_				
								<u> </u>
	-+							<u> </u>
	_							
	-							
	-							
		61	2.2.00					20

-

\_

h

			rield Sc	creening		
areen Frog	Loc	ation	Name:			Date:
Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	5/17/20 PID Reading PF
BGI	Sundy loam	11	1500	0.10	30.0	
		2'	1504	0.14	24.2	
		4'	1509	2.16	24.3	
			,			

# APPENDIX E LABORATORY ANALYTICAL REPORTS


April 27, 2020

Ashley Maxwell Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2004811

RE: Green Frog Cafe

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 29 sample(s) on 4/17/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D:SL	1-0.5'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1:	5/2020 11:40:00 AM	
Lab ID:	2004811-001	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1′	7/2020 8:45:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		ND	61		mg/Kg	20	4/21/2020 2:10:02 PM	51981
EPA MET	THOD 8015D MOD: GASOLINE	RANGE					Analyst	RAA
Gasoline	e Range Organics (GRO)	4200	250		mg/Kg	50	4/21/2020 9:20:52 PM	51897
Surr: I	BFB	94.4	70-130		%Rec	50	4/21/2020 9:20:52 PM	51897
EPA MET	THOD 8015M/D: DIESEL RANGE	EORGANICS					Analyst	: том
Diesel R	ange Organics (DRO)	21000	980		mg/Kg	100	4/20/2020 9:28:35 PM	51945
Motor Oi	il Range Organics (MRO)	11000	4900		mg/Kg	100	4/20/2020 9:28:35 PM	51945
Surr: I	DNOP	0	55.1-146	S	%Rec	100	4/20/2020 9:28:35 PM	51945
EPA MET	THOD 8260B: VOLATILES SHO	RT LIST					Analyst	RAA
Benzene	9	42	1.2		mg/Kg	50	4/21/2020 9:20:52 PM	51897
Toluene		190	2.5		mg/Kg	50	4/21/2020 9:20:52 PM	51897
Ethylben	izene	65	2.5		mg/Kg	50	4/21/2020 9:20:52 PM	51897
Xylenes,	Total	140	5.0		mg/Kg	50	4/21/2020 9:20:52 PM	51897
Surr: 7	1,2-Dichloroethane-d4	92.0	70-130		%Rec	50	4/21/2020 9:20:52 PM	51897
Surr: 4	4-Bromofluorobenzene	74.8	70-130		%Rec	50	4/21/2020 9:20:52 PM	51897
Surr: I	Dibromofluoromethane	93.6	70-130		%Rec	50	4/21/2020 9:20:52 PM	51897
Surr: <sup>-</sup>	Toluene-d8	95.9	70-130		%Rec	50	4/21/2020 9:20:52 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 36

**Analytical Report** Lab Order 2004811

Date Reported: 4/27/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D: SL	.1-1'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 11:47:00 AM	
Lab ID:	2004811-002	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	JMT
Chloride		ND	60		mg/Kg	20	4/21/2020 2:47:15 PM	51981
EPA MET	THOD 8015D MOD: GASOLINE I	RANGE					Analyst	RAA
Gasoline	Range Organics (GRO)	160	49		mg/Kg	10	4/21/2020 9:50:53 PM	51897
Surr: E	BFB	95.5	70-130		%Rec	10	4/21/2020 9:50:53 PM	51897
EPA MET	THOD 8015M/D: DIESEL RANGE	E ORGANICS					Analyst	CLP
Diesel R	ange Organics (DRO)	6900	470		mg/Kg	50	4/19/2020 8:00:40 PM	51908
Motor Oi	Range Organics (MRO)	3700	2400		mg/Kg	50	4/19/2020 8:00:40 PM	51908
Surr: [	DNOP	0	55.1-146	S	%Rec	50	4/19/2020 8:00:40 PM	51908
EPA MET	THOD 8260B: VOLATILES SHOP	RT LIST					Analyst	RAA
Benzene		2.4	0.25		mg/Kg	10	4/21/2020 9:50:53 PM	51897
Toluene		12	0.49		mg/Kg	10	4/21/2020 9:50:53 PM	51897
Ethylben	zene	3.1	0.49		mg/Kg	10	4/21/2020 9:50:53 PM	51897
Xylenes,	Total	6.4	0.98		mg/Kg	10	4/21/2020 9:50:53 PM	51897
Surr: 2	1,2-Dichloroethane-d4	97.5	70-130		%Rec	10	4/21/2020 9:50:53 PM	51897
Surr: 4	4-Bromofluorobenzene	58.7	70-130	S	%Rec	10	4/21/2020 9:50:53 PM	51897
Surr: [	Dibromofluoromethane	95.7	70-130		%Rec	10	4/21/2020 9:50:53 PM	51897
Surr: 7	Toluene-d8	95.8	70-130		%Rec	10	4/21/2020 9:50:53 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 36

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates	5	Cl	ient Sample II	D: SL	.1-2'	
Project:	Green Frog Cafe		(	Collection Dat	e: 4/1	5/2020 11:49:00 AM	
Lab ID:	2004811-003	Matrix: SOIL		<b>Received Dat</b>	e: 4/1	7/2020 8:45:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride		ND	60	mg/Kg	20	4/21/2020 3:24:29 PM	51981
EPA ME	THOD 8015D MOD: GASOLII	NE RANGE				Analyst:	RAA
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	4/20/2020 10:08:42 PM	51897
Surr:	BFB	92.8	70-130	%Rec	1	4/20/2020 10:08:42 PM	51897
EPA ME	THOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst:	CLP
Diesel R	ange Organics (DRO)	18	9.9	mg/Kg	1	4/19/2020 5:11:16 AM	51908
Motor O	il Range Organics (MRO)	ND	49	mg/Kg	1	4/19/2020 5:11:16 AM	51908
Surr:	DNOP	97.8	55.1-146	%Rec	1	4/19/2020 5:11:16 AM	51908
EPA ME	THOD 8260B: VOLATILES S	HORT LIST				Analyst:	RAA
Benzene	9	0.069	0.025	mg/Kg	1	4/20/2020 10:08:42 PM	51897
Toluene		0.097	0.050	mg/Kg	1	4/20/2020 10:08:42 PM	51897
Ethylber	izene	ND	0.050	mg/Kg	1	4/20/2020 10:08:42 PM	51897
Xylenes	, Total	0.11	0.10	mg/Kg	1	4/20/2020 10:08:42 PM	51897
Surr:	1,2-Dichloroethane-d4	88.8	70-130	%Rec	1	4/20/2020 10:08:42 PM	51897
Surr:	4-Bromofluorobenzene	82.7	70-130	%Rec	1	4/20/2020 10:08:42 PM	51897
Surr:	Dibromofluoromethane	88.9	70-130	%Rec	1	4/20/2020 10:08:42 PM	51897
Surr:	Toluene-d8	95.7	70-130	%Rec	1	4/20/2020 10:08:42 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 36

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D: SL2	2-0.5'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1:	5/2020 11:52:00 AM	
Lab ID:	2004811-004	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1′	7/2020 8:45:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		ND	60		mg/Kg	20	4/21/2020 3:36:54 PM	51981
EPA MET	THOD 8015D MOD: GASOLINE	RANGE					Analyst	RAA
Gasoline	e Range Organics (GRO)	6300	250		mg/Kg	50	4/21/2020 10:20:39 PM	51897
Surr: I	BFB	99.4	70-130		%Rec	50	4/21/2020 10:20:39 PM	51897
EPA MET	THOD 8015M/D: DIESEL RANGE	EORGANICS					Analyst	CLP
Diesel R	ange Organics (DRO)	14000	950		mg/Kg	100	4/19/2020 5:34:47 AM	51908
Motor Oi	il Range Organics (MRO)	4800	4700		mg/Kg	100	4/19/2020 5:34:47 AM	51908
Surr: I	DNOP	0	55.1-146	S	%Rec	100	4/19/2020 5:34:47 AM	51908
EPA MET	THOD 8260B: VOLATILES SHO	RT LIST					Analyst	RAA
Benzene	9	22	1.2		mg/Kg	50	4/21/2020 10:20:39 PM	51897
Toluene		230	2.5		mg/Kg	50	4/21/2020 10:20:39 PM	51897
Ethylben	izene	110	2.5		mg/Kg	50	4/21/2020 10:20:39 PM	51897
Xylenes,	Total	250	5.0		mg/Kg	50	4/21/2020 10:20:39 PM	51897
Surr: 7	1,2-Dichloroethane-d4	94.7	70-130		%Rec	50	4/21/2020 10:20:39 PM	51897
Surr: 4	4-Bromofluorobenzene	66.5	70-130	S	%Rec	50	4/21/2020 10:20:39 PM	51897
Surr: I	Dibromofluoromethane	94.9	70-130		%Rec	50	4/21/2020 10:20:39 PM	51897
Surr: <sup>-</sup>	Toluene-d8	93.7	70-130		%Rec	50	4/21/2020 10:20:39 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 36

Analytical Report
Lab Order 2004811

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811 Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		C	ient Sam	ple II	): SL	2-2'	
Project:	Green Frog Cafe		(	Collectior	1 Date	e: 4/1	5/2020 12:00:00 PM	
Lab ID:	2004811-005	Matrix: SOIL		Received	l Date	e: 4/1	7/2020 8:45:00 AM	
Analyses	3	Result	RL	Qual U	nits	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst:	JMT
Chloride	•	ND	60	m	ig/Kg	20	4/21/2020 3:49:18 PM	51981
EPA ME	THOD 8015D MOD: GASOLINE	RANGE					Analyst:	RAA
Gasoline	e Range Organics (GRO)	ND	5.0	m	ig/Kg	1	4/21/2020 10:50:31 PM	51897
Surr:	BFB	94.9	70-130	%	Rec	1	4/21/2020 10:50:31 PM	51897
EPA ME	THOD 8015M/D: DIESEL RANGE	EORGANICS					Analyst:	CLP
Diesel R	ange Organics (DRO)	29	9.6	m	ig/Kg	1	4/19/2020 5:58:17 AM	51908
Motor O	il Range Organics (MRO)	ND	48	m	ig/Kg	1	4/19/2020 5:58:17 AM	51908
Surr:	DNOP	116	55.1-146	%	Rec	1	4/19/2020 5:58:17 AM	51908
EPA ME	THOD 8260B: VOLATILES SHO	RT LIST					Analyst:	RAA
Benzene	e	ND	0.025	m	ig/Kg	1	4/21/2020 10:50:31 PM	51897
Toluene		ND	0.050	m	ig/Kg	1	4/21/2020 10:50:31 PM	51897
Ethylber	nzene	ND	0.050	m	ig/Kg	1	4/21/2020 10:50:31 PM	51897
Xylenes	, Total	ND	0.099	m	ig/Kg	1	4/21/2020 10:50:31 PM	51897
Surr:	1,2-Dichloroethane-d4	90.4	70-130	%	Rec	1	4/21/2020 10:50:31 PM	51897
Surr:	4-Bromofluorobenzene	86.7	70-130	%	Rec	1	4/21/2020 10:50:31 PM	51897
Surr:	Dibromofluoromethane	92.1	70-130	%	Rec	1	4/21/2020 10:50:31 PM	51897
Surr:	Toluene-d8	96.6	70-130	%	Rec	1	4/21/2020 10:50:31 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 36

Project: Green Frog Cafe

**CLIENT:** Souder, Miller & Associates

Analytical Report Lab Order 2004811

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/27/2020 Client Sample ID: SL2-3' Collection Date: 4/15/2020 12:59:00 PM

Lab ID: 2004811-006	Matrix: SOIL		Received Date	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	ЈМТ
Chloride	140	60	mg/Kg	20	4/21/2020 4:01:43 PM	51981
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/20/2020 11:38:21 PM	51897
Surr: BFB	96.9	70-130	%Rec	1	4/20/2020 11:38:21 PM	51897
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	CLP
Diesel Range Organics (DRO)	21	9.7	mg/Kg	1	4/19/2020 6:21:43 AM	51908
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/19/2020 6:21:43 AM	51908
Surr: DNOP	96.4	55.1-146	%Rec	1	4/19/2020 6:21:43 AM	51908
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	RAA
Benzene	0.074	0.025	mg/Kg	1	4/20/2020 11:38:21 PM	51897
Toluene	ND	0.050	mg/Kg	1	4/20/2020 11:38:21 PM	51897
Ethylbenzene	ND	0.050	mg/Kg	1	4/20/2020 11:38:21 PM	51897
Xylenes, Total	ND	0.10	mg/Kg	1	4/20/2020 11:38:21 PM	51897
Surr: 1,2-Dichloroethane-d4	92.2	70-130	%Rec	1	4/20/2020 11:38:21 PM	51897
Surr: 4-Bromofluorobenzene	92.0	70-130	%Rec	1	4/20/2020 11:38:21 PM	51897
Surr: Dibromofluoromethane	92.7	70-130	%Rec	1	4/20/2020 11:38:21 PM	51897
Surr: Toluene-d8	99.0	70-130	%Rec	1	4/20/2020 11:38:21 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 36

Surr: Toluene-d8

**Analytical Report** Lab Order 2004811

200 4/21/2020 11:20:19 PM 51897

### Hall Environmental Analysis Laboratory. Inc.

Hall Er	nvironmental Analysi	s Laboratory,	Inc.				Date Reported: 4/27/20	20
CLIENT: Project:	Souder, Miller & Associates Green Frog Cafe		3-0.5' 5/2020 12:14:00 PM					
Lab ID:	2004811-007	Matrix: SOIL		Recei	ved Dat	e: 4/1	7/2020 8:45:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS						Analyst	JMT
Chloride		ND	60		mg/Kg	20	4/21/2020 4:14:07 PM	51981
EPA MET	HOD 8015D MOD: GASOLINE	RANGE					Analyst	RAA
Gasoline	Range Organics (GRO)	9400	1000		mg/Kg	200	4/21/2020 11:20:19 PM	51897
Surr: E	3FB	96.8	70-130		%Rec	200	4/21/2020 11:20:19 PM	51897
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	CLP
Diesel Ra	ange Organics (DRO)	21000	950		mg/Kg	100	4/19/2020 6:45:11 AM	51908
Motor Oi	I Range Organics (MRO)	7400	4700		mg/Kg	100	4/19/2020 6:45:11 AM	51908
Surr: [	DNOP	0	55.1-146	S	%Rec	100	4/19/2020 6:45:11 AM	51908
EPA MET	HOD 8260B: VOLATILES SHO	ORT LIST					Analyst	RAA
Benzene		64	5.0		mg/Kg	200	4/21/2020 11:20:19 PM	51897
Toluene		420	10		mg/Kg	200	4/21/2020 11:20:19 PM	51897
Ethylben	zene	160	10		mg/Kg	200	4/21/2020 11:20:19 PM	51897
Xylenes,	Total	370	20		mg/Kg	200	4/21/2020 11:20:19 PM	51897
Surr: 1	I,2-Dichloroethane-d4	95.1	70-130		%Rec	200	4/21/2020 11:20:19 PM	51897
Surr: 4	1-Bromofluorobenzene	86.0	70-130		%Rec	200	4/21/2020 11:20:19 PM	51897
Surr: E	Dibromofluoromethane	94.4	70-130		%Rec	200	4/21/2020 11:20:19 PM	51897

95.7

70-130

%Rec

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 7 of 36

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	mple II	D: SL	3-2'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 12:27:00 PM	
Lab ID:	2004811-008	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METH	HOD 300.0: ANIONS						Analyst	: JMT
Chloride		ND	60		mg/Kg	20	4/21/2020 4:26:32 PM	51981
EPA METH	HOD 8015D MOD: GASOLINE	RANGE					Analyst	RAA
Gasoline I	Range Organics (GRO)	2500	490		mg/Kg	100	4/21/2020 11:50:06 PM	51897
Surr: Bl	FB	94.7	70-130		%Rec	100	4/21/2020 11:50:06 PM	51897
EPA METH	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	CLP
Diesel Ra	nge Organics (DRO)	9200	470		mg/Kg	50	4/19/2020 8:24:51 PM	51908
Motor Oil	Range Organics (MRO)	3400	2400		mg/Kg	50	4/19/2020 8:24:51 PM	51908
Surr: DI	NOP	0	55.1-146	S	%Rec	50	4/19/2020 8:24:51 PM	51908
EPA METH	HOD 8260B: VOLATILES SHO	RT LIST					Analyst	RAA
Benzene		11	2.5		mg/Kg	100	4/21/2020 11:50:06 PM	51897
Toluene		83	4.9		mg/Kg	100	4/21/2020 11:50:06 PM	51897
Ethylbenz	ene	40	4.9		mg/Kg	100	4/21/2020 11:50:06 PM	51897
Xylenes, 1	Total	91	9.8		mg/Kg	100	4/21/2020 11:50:06 PM	51897
Surr: 1,	2-Dichloroethane-d4	97.8	70-130		%Rec	100	4/21/2020 11:50:06 PM	51897
Surr: 4-	Bromofluorobenzene	88.1	70-130		%Rec	100	4/21/2020 11:50:06 PM	51897
Surr: Di	ibromofluoromethane	97.7	70-130		%Rec	100	4/21/2020 11:50:06 PM	51897
Surr: To	oluene-d8	97.4	70-130		%Rec	100	4/21/2020 11:50:06 PM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associat	tes	Client Sample ID: SL3-3'								
Project:	Green Frog Cafe		(	Collect	tion Dat	<b>e:</b> 4/1	15/2020 1:04:00 PM				
Lab ID:	2004811-009	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM				
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA ME	THOD 300.0: ANIONS						Analyst	јмт			
Chloride		ND	60		mg/Kg	20	4/21/2020 4:38:56 PM	51981			
EPA ME	THOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA			
Gasoline	e Range Organics (GRO)	97	5.0		mg/Kg	1	4/21/2020 4:07:38 AM	51897			
Surr:	BFB	103	70-130		%Rec	1	4/21/2020 4:07:38 AM	51897			
EPA ME	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	CLP			
Diesel R	ange Organics (DRO)	870	20		mg/Kg	2	4/19/2020 7:32:05 AM	51908			
Motor O	il Range Organics (MRO)	370	98		mg/Kg	2	4/19/2020 7:32:05 AM	51908			
Surr:	DNOP	120	55.1-146		%Rec	2	4/19/2020 7:32:05 AM	51908			
EPA ME	THOD 8260B: VOLATILES	SHORT LIST					Analyst	RAA			
Benzene	9	0.22	0.025		mg/Kg	1	4/21/2020 4:07:38 AM	51897			
Toluene		1.8	0.050		mg/Kg	1	4/21/2020 4:07:38 AM	51897			
Ethylber	izene	1.1	0.050		mg/Kg	1	4/21/2020 4:07:38 AM	51897			
Xylenes,	, Total	2.9	0.10		mg/Kg	1	4/21/2020 4:07:38 AM	51897			
Surr:	1,2-Dichloroethane-d4	90.0	70-130		%Rec	1	4/21/2020 4:07:38 AM	51897			
Surr: 4	4-Bromofluorobenzene	40.5	70-130	S	%Rec	1	4/21/2020 4:07:38 AM	51897			
Surr:	Dibromofluoromethane	90.5	70-130		%Rec	1	4/21/2020 4:07:38 AM	51897			
Surr:	Toluene-d8	100	70-130		%Rec	1	4/21/2020 4:07:38 AM	51897			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 36

**Analytical Report** Lab Order 2004811

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample I	D: SI	_3-4'	
Project:	Green Frog Cafe		(	Collection Dat	te: 4/1	15/2020 1:10:00 PM	
Lab ID:	2004811-010	Matrix: SOIL		Received Dat	te: 4/2	17/2020 8:45:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: JMT
Chloride		ND	61	mg/Kg	20	4/21/2020 4:51:20 PM	51981
EPA MET	HOD 8015D MOD: GASOLIN	E RANGE				Analyst	RAA
Gasoline	e Range Organics (GRO)	8.6	5.0	mg/Kg	1	4/21/2020 4:36:39 AM	51897
Surr: I	BFB	93.8	70-130	%Rec	1	4/21/2020 4:36:39 AM	51897
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	CLP
Diesel R	ange Organics (DRO)	160	9.9	mg/Kg	1	4/19/2020 7:55:37 AM	51908
Motor Oi	l Range Organics (MRO)	89	49	mg/Kg	1	4/19/2020 7:55:37 AM	51908
Surr: I	DNOP	127	55.1-146	%Rec	1	4/19/2020 7:55:37 AM	51908
ΕΡΑ ΜΕΊ	THOD 8260B: VOLATILES SH	ORT LIST				Analyst	RAA
Benzene	3	0.042	0.025	mg/Kg	1	4/21/2020 4:36:39 AM	51897
Toluene		0.084	0.050	mg/Kg	1	4/21/2020 4:36:39 AM	51897
Ethylben	izene	0.056	0.050	mg/Kg	1	4/21/2020 4:36:39 AM	51897
Xylenes,	Total	0.16	0.10	mg/Kg	1	4/21/2020 4:36:39 AM	51897
Surr: 7	1,2-Dichloroethane-d4	89.9	70-130	%Rec	1	4/21/2020 4:36:39 AM	51897
Surr: 4	4-Bromofluorobenzene	77.9	70-130	%Rec	1	4/21/2020 4:36:39 AM	51897
Surr: I	Dibromofluoromethane	88.1	70-130	%Rec	1	4/21/2020 4:36:39 AM	51897
Surr: 7	Toluene-d8	98.4	70-130	%Rec	1	4/21/2020 4:36:39 AM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 10 of 36

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D:SL	4-0.5'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 1:13:00 PM	
Lab ID:	2004811-011	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		ND	60		mg/Kg	20	4/21/2020 5:03:45 PM	51981
EPA ME	THOD 8015D MOD: GASOLINE	RANGE					Analyst	RAA
Gasoline	e Range Organics (GRO)	9300	1000		mg/Kg	200	4/22/2020 12:19:47 AM	51897
Surr:	BFB	95.4	70-130		%Rec	200	4/22/2020 12:19:47 AM	51897
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	CLP
Diesel R	ange Organics (DRO)	15000	930		mg/Kg	100	4/19/2020 8:19:10 AM	51908
Motor O	il Range Organics (MRO)	5500	4700		mg/Kg	100	4/19/2020 8:19:10 AM	51908
Surr:	DNOP	0	55.1-146	S	%Rec	100	4/19/2020 8:19:10 AM	51908
EPA ME	THOD 8260B: VOLATILES SHO	RT LIST					Analyst	RAA
Benzene	9	130	5.0		mg/Kg	200	4/22/2020 12:19:47 AM	51897
Toluene		510	10		mg/Kg	200	4/22/2020 12:19:47 AM	51897
Ethylber	nzene	160	10		mg/Kg	200	4/22/2020 12:19:47 AM	51897
Xylenes	, Total	340	20		mg/Kg	200	4/22/2020 12:19:47 AM	51897
Surr:	1,2-Dichloroethane-d4	94.3	70-130		%Rec	200	4/22/2020 12:19:47 AM	51897
Surr:	4-Bromofluorobenzene	93.2	70-130		%Rec	200	4/22/2020 12:19:47 AM	51897
Surr:	Dibromofluoromethane	94.8	70-130		%Rec	200	4/22/2020 12:19:47 AM	51897
Surr:	Toluene-d8	97.3	70-130		%Rec	200	4/22/2020 12:19:47 AM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 11 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT: Souder, Miller & Associate	s	Cl	ient Sa	mple II	D: SL	4-1'	
Project: Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 1:20:00 PM	
Lab ID: 2004811-012	Matrix: SOIL		Recei	ved Dat	e: 4/1	7/2020 8:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	4/21/2020 5:16:09 PM	51981
EPA METHOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	9800	970		mg/Kg	200	) 4/22/2020 12:49:34 AM	51897
Surr: BFB	97.2	70-130		%Rec	200	) 4/22/2020 12:49:34 AM	51897
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst	CLP
Diesel Range Organics (DRO)	19000	990		mg/Kg	100	) 4/19/2020 9:06:23 AM	51908
Motor Oil Range Organics (MRO)	6400	4900		mg/Kg	100	4/19/2020 9:06:23 AM	51908
Surr: DNOP	0	55.1-146	S	%Rec	100	4/19/2020 9:06:23 AM	51908
EPA METHOD 8260B: VOLATILES S	SHORT LIST					Analyst	RAA
Benzene	110	4.8		mg/Kg	200	) 4/22/2020 12:49:34 AM	51897
Toluene	520	9.7		mg/Kg	200	) 4/22/2020 12:49:34 AM	51897
Ethylbenzene	180	9.7		mg/Kg	200	) 4/22/2020 12:49:34 AM	51897
Xylenes, Total	380	19		mg/Kg	200	) 4/22/2020 12:49:34 AM	51897
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%Rec	200	) 4/22/2020 12:49:34 AM	51897
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	200	) 4/22/2020 12:49:34 AM	51897
Surr: Dibromofluoromethane	94.5	70-130		%Rec	200	) 4/22/2020 12:49:34 AM	51897
Surr: Toluene-d8	96.6	70-130		%Rec	200	) 4/22/2020 12:49:34 AM	51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 12 of 36

**CLIENT:** Souder, Miller & Associates

Surr: Dibromofluoromethane

Surr: Toluene-d8

Analytical Report Lab Order 2004811

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/27/2020

Client Sample ID: SL4-4' Collection Date: 4/15/2020 1:35:00 PM

Project:	Green Frog Cafe		(	Collec	tion Dat	<b>e:</b> 4/1	.5/2020 1:35:00 PM			
Lab ID:	2004811-013	Matrix: SOIL		<b>Received Date:</b> 4/17/2020 8:45:00 AM						
Analyse	S	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS						Analyst	: JMT		
Chloride	e	ND	60		mg/Kg	20	4/21/2020 5:53:24 PM	51981		
EPA ME	THOD 8015D MOD: GASO	LINE RANGE					Analyst	RAA		
Gasolin	e Range Organics (GRO)	260	5.0		mg/Kg	1	4/22/2020 1:19:25 AM	51897		
Surr:	BFB	107	70-130		%Rec	1	4/22/2020 1:19:25 AM	51897		
EPA ME	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	CLP		
Diesel F	Range Organics (DRO)	530	9.6		mg/Kg	1	4/19/2020 9:30:03 AM	51908		
Motor O	il Range Organics (MRO)	210	48		mg/Kg	1	4/19/2020 9:30:03 AM	51908		
Surr:	DNOP	103	55.1-146		%Rec	1	4/19/2020 9:30:03 AM	51908		
EPA ME	THOD 8260B: VOLATILES	SHORT LIST					Analyst	: RAA		
Benzen	e	0.35	0.025		mg/Kg	1	4/22/2020 1:19:25 AM	51897		
Toluene	9	3.4	0.050		mg/Kg	1	4/22/2020 1:19:25 AM	51897		
Ethylbei	nzene	2.1	0.050		mg/Kg	1	4/22/2020 1:19:25 AM	51897		
Xylenes	s, Total	5.1	0.099		mg/Kg	1	4/22/2020 1:19:25 AM	51897		
Surr:	1,2-Dichloroethane-d4	86.0	70-130		%Rec	1	4/22/2020 1:19:25 AM	51897		
Surr:	4-Bromofluorobenzene	35.3	70-130	S	%Rec	1	4/22/2020 1:19:25 AM	51897		

88.0

95.9

70-130

70-130

%Rec

%Rec

1

1

4/22/2020 1:19:25 AM

4/22/2020 1:19:25 AM

51897

51897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associate	es	Cl	ient Sa	ample II	D: SL	5-0.5'		
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 1:50:00 PM		
Lab ID:	2004811-014	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/17/2020 8:45:00 AM			
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS						Analyst	JMT	
Chloride		260	60		mg/Kg	20	4/21/2020 6:05:48 PM	51981	
	THOD 8015D MOD: GASOLI	INE RANGE					Analyst	RAA	
Gasoline	e Range Organics (GRO)	8000	2500		mg/Kg	500	) 4/22/2020 3:13:42 PM	51897	
Surr:	BFB	97.0	70-130		%Rec	500	) 4/22/2020 3:13:42 PM	51897	
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst	CLP	
Diesel R	ange Organics (DRO)	14000	900		mg/Kg	100	) 4/19/2020 10:17:26 AM	51908	
Motor O	il Range Organics (MRO)	5000	4500		mg/Kg	100	4/19/2020 10:17:26 AM	51908	
Surr:	DNOP	0	55.1-146	S	%Rec	100	) 4/19/2020 10:17:26 AM	51908	
EPA ME	THOD 8260B: VOLATILES S	SHORT LIST					Analyst	RAA	
Benzene	e	63	12		mg/Kg	500	) 4/22/2020 3:13:42 PM	51897	
Toluene		340	25		mg/Kg	500	) 4/22/2020 3:13:42 PM	51897	
Ethylber	izene	130	25		mg/Kg	500	) 4/22/2020 3:13:42 PM	51897	
Xylenes,	, Total	280	50		mg/Kg	500	) 4/22/2020 3:13:42 PM	51897	
Surr:	1,2-Dichloroethane-d4	96.7	70-130		%Rec	500	) 4/22/2020 3:13:42 PM	51897	
Surr:	4-Bromofluorobenzene	98.6	70-130		%Rec	500	) 4/22/2020 3:13:42 PM	51897	
Surr:	Dibromofluoromethane	96.3	70-130		%Rec	500	) 4/22/2020 3:13:42 PM	51897	
Surr:	Toluene-d8	93.5	70-130		%Rec	500	) 4/22/2020 3:13:42 PM	51897	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 14 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Client Sample ID: SL5-1'								
Project:	Green Frog Cafe		(	Collect	ion Dat	e: 4/1	5/2020 1:53:00 PM				
Lab ID:	2004811-015	Matrix: SOIL		Received Date: 4/17/2020 8:45:00 AM							
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA ME	THOD 300.0: ANIONS						Analyst	: JMT			
Chloride		230	60		mg/Kg	20	4/21/2020 6:43:01 PM	52000			
EPA ME	THOD 8015D MOD: GASOLIN	E RANGE					Analyst	RAA			
Gasoline	e Range Organics (GRO)	12000	4900		mg/Kg	1E-	+ 4/22/2020 3:43:37 PM	51897			
Surr:	BFB	99.0	70-130		%Rec	1E	+ 4/22/2020 3:43:37 PM	51897			
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	CLP			
Diesel R	ange Organics (DRO)	18000	940		mg/Kg	100	0 4/19/2020 10:41:18 AM	51908			
Motor O	il Range Organics (MRO)	6200	4700		mg/Kg	100	0 4/19/2020 10:41:18 AM	51908			
Surr:	DNOP	0	55.1-146	S	%Rec	100	0 4/19/2020 10:41:18 AM	51908			
EPA ME	THOD 8260B: VOLATILES SH	ORT LIST					Analyst	RAA			
Benzene	9	110	24		mg/Kg	1E	+ 4/22/2020 3:43:37 PM	51897			
Toluene		540	49		mg/Kg	1E	+ 4/22/2020 3:43:37 PM	51897			
Ethylber	nzene	190	49		mg/Kg	1E	+ 4/22/2020 3:43:37 PM	51897			
Xylenes	, Total	410	97		mg/Kg	1E	+ 4/22/2020 3:43:37 PM	51897			
Surr:	1,2-Dichloroethane-d4	99.0	70-130		%Rec	1E	+ 4/22/2020 3:43:37 PM	51897			
Surr:	4-Bromofluorobenzene	96.9	70-130		%Rec	1E	+ 4/22/2020 3:43:37 PM	51897			
Surr:	Dibromofluoromethane	101	70-130		%Rec	1E	+ 4/22/2020 3:43:37 PM	51897			
Surr:	Toluene-d8	97.2	70-130		%Rec	1E	+ 4/22/2020 3:43:37 PM	51897			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 15 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Client Sample ID: SL5-2'									
Project:	Green Frog Cafe		(	Collection Dat	e: 4/	15/2020 1:57:00 PM						
Lab ID:	2004811-016	Matrix: SOIL		Received Date: 4/17/2020 8:45:00 AM								
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA ME	THOD 300.0: ANIONS					Analyst	: JMT					
Chloride		370	60	mg/Kg	20	4/21/2020 7:20:15 PM	52000					
EPA ME	THOD 8015D MOD: GASOLIN	E RANGE				Analyst	: RAA					
Gasoline	e Range Organics (GRO)	15	10	mg/Kg	2	4/22/2020 4:13:17 PM	51909					
Surr:	BFB	95.2	70-130	%Rec	2	4/22/2020 4:13:17 PM	51909					
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	: CLP					
Diesel R	ange Organics (DRO)	130	9.9	mg/Kg	1	4/20/2020 2:16:34 PM	51938					
Motor O	il Range Organics (MRO)	60	50	mg/Kg	1	4/20/2020 2:16:34 PM	51938					
Surr:	DNOP	98.7	55.1-146	%Rec	1	4/20/2020 2:16:34 PM	51938					
EPA ME	THOD 8260B: VOLATILES SH	ORT LIST				Analyst	: RAA					
Benzene	9	0.043	0.040	mg/Kg	2	4/22/2020 4:13:17 PM	51909					
Toluene		0.22	0.10	mg/Kg	2	4/22/2020 4:13:17 PM	51909					
Ethylber	nzene	0.19	0.10	mg/Kg	2	4/22/2020 4:13:17 PM	51909					
Xylenes	, Total	0.57	0.20	mg/Kg	2	4/22/2020 4:13:17 PM	51909					
Surr:	1,2-Dichloroethane-d4	95.2	70-130	%Rec	2	4/22/2020 4:13:17 PM	51909					
Surr:	4-Bromofluorobenzene	82.2	70-130	%Rec	2	4/22/2020 4:13:17 PM	51909					
Surr:	Dibromofluoromethane	94.5	70-130	%Rec	2	4/22/2020 4:13:17 PM	51909					
Surr:	Toluene-d8	97.3	70-130	%Rec	2	4/22/2020 4:13:17 PM	51909					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 16 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Client Sample ID: SL5-4'									
Project:	Green Frog Cafe		(	Collection Dat	e: 4/	15/2020 2:05:00 PM						
Lab ID:	2004811-017	Matrix: SOIL		<b>Received Date:</b> 4/17/2020 8:45:00 AM								
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA ME	THOD 300.0: ANIONS					Analyst	: JMT					
Chloride		2000	60	mg/Kg	20	4/21/2020 7:32:40 PM	52000					
EPA ME	THOD 8015D MOD: GASOLINI	E RANGE				Analyst	RAA					
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	4/21/2020 9:01:43 AM	51909					
Surr:	BFB	95.9	70-130	%Rec	1	4/21/2020 9:01:43 AM	51909					
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	CLP					
Diesel R	ange Organics (DRO)	23	9.0	mg/Kg	1	4/20/2020 2:41:21 PM	51938					
Motor O	il Range Organics (MRO)	ND	45	mg/Kg	1	4/20/2020 2:41:21 PM	51938					
Surr:	DNOP	99.5	55.1-146	%Rec	1	4/20/2020 2:41:21 PM	51938					
EPA ME	THOD 8260B: VOLATILES SH	ORT LIST				Analyst	RAA					
Benzene	9	0.051	0.025	mg/Kg	1	4/21/2020 9:01:43 AM	51909					
Toluene		ND	0.050	mg/Kg	1	4/21/2020 9:01:43 AM	51909					
Ethylber	nzene	ND	0.050	mg/Kg	1	4/21/2020 9:01:43 AM	51909					
Xylenes	, Total	ND	0.10	mg/Kg	1	4/21/2020 9:01:43 AM	51909					
Surr:	1,2-Dichloroethane-d4	88.4	70-130	%Rec	1	4/21/2020 9:01:43 AM	51909					
Surr:	4-Bromofluorobenzene	94.1	70-130	%Rec	1	4/21/2020 9:01:43 AM	51909					
Surr:	Dibromofluoromethane	89.9	70-130	%Rec	1	4/21/2020 9:01:43 AM	51909					
Surr:	Toluene-d8	99.2	70-130	%Rec	1	4/21/2020 9:01:43 AM	51909					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 17 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT: Souder, Miller & Assoc	iates	Cl	ient Sa	mple II	D: SLe	5-0.5'		
Project: Green Frog Cafe		(	Collecti	on Dat	<b>e:</b> 4/1:	5/2020 2:15:00 PM		
Lab ID: 2004811-018	Matrix: SOIL		<b>Received Date:</b> 4/17/2020 8:45:00 A					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	JMT	
Chloride	80	60		mg/Kg	20	4/21/2020 7:45:04 PM	52000	
EPA METHOD 8015D MOD: GAS	OLINE RANGE					Analyst	RAA	
Gasoline Range Organics (GRO)	15000	4900		mg/Kg	1E+	4/22/2020 5:41:53 PM	51909	
Surr: BFB	98.5	70-130		%Rec	1E+	4/22/2020 5:41:53 PM	51909	
EPA METHOD 8015M/D: DIESEL	RANGE ORGANICS					Analyst	CLP	
Diesel Range Organics (DRO)	21000	1000		mg/Kg	100	4/20/2020 3:06:11 PM	51938	
Motor Oil Range Organics (MRO)	7100	5000		mg/Kg	100	4/20/2020 3:06:11 PM	51938	
Surr: DNOP	0	55.1-146	S	%Rec	100	4/20/2020 3:06:11 PM	51938	
EPA METHOD 8260B: VOLATILE	S SHORT LIST					Analyst	RAA	
Benzene	240	25		mg/Kg	1E+	4/22/2020 5:41:53 PM	51909	
Toluene	750	49		mg/Kg	1E+	4/22/2020 5:41:53 PM	51909	
Ethylbenzene	220	49		mg/Kg	1E+	4/22/2020 5:41:53 PM	51909	
Xylenes, Total	480	98		mg/Kg	1E+	4/22/2020 5:41:53 PM	51909	
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	1E+	4/22/2020 5:41:53 PM	51909	
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1E+	4/22/2020 5:41:53 PM	51909	
Surr: Dibromofluoromethane	98.2	70-130		%Rec	1E+	4/22/2020 5:41:53 PM	51909	
Surr: Toluene-d8	98.4	70-130		%Rec	1E+	4/22/2020 5:41:53 PM	51909	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 18 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associate	es	Cl	ient Sa	mple II	D: SL	.6-1'		
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 2:17:00 PM		
Lab ID:	2004811-019	Matrix: SOIL	Matrix: SOIL         Received Date: 4/17/2020 8:45:00						
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA MET	THOD 300.0: ANIONS						Analyst	ЈМТ	
Chloride		110	60		mg/Kg	20	4/21/2020 8:22:18 PM	52000	
EPA MET	THOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA	
Gasoline	e Range Organics (GRO)	13000	4800		mg/Kg	1E-	+ 4/22/2020 6:11:02 PM	51909	
Surr: I	BFB	97.9	70-130		%Rec	1E-	+ 4/22/2020 6:11:02 PM	51909	
EPA MET	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	CLP	
Diesel R	ange Organics (DRO)	22000	920		mg/Kg	100	) 4/20/2020 3:30:57 PM	51938	
Motor Oi	il Range Organics (MRO)	8000	4600		mg/Kg	100	) 4/20/2020 3:30:57 PM	51938	
Surr: I	DNOP	0	55.1-146	S	%Rec	100	) 4/20/2020 3:30:57 PM	51938	
EPA MET	THOD 8260B: VOLATILES	SHORT LIST					Analyst	RAA	
Benzene	9	200	24		mg/Kg	1E-	+ 4/22/2020 6:11:02 PM	51909	
Toluene		730	48		mg/Kg	1E-	+ 4/22/2020 6:11:02 PM	51909	
Ethylben	izene	220	48		mg/Kg	1E-	+ 4/22/2020 6:11:02 PM	51909	
Xylenes,	, Total	480	97		mg/Kg	1E-	+ 4/22/2020 6:11:02 PM	51909	
Surr:	1,2-Dichloroethane-d4	98.4	70-130		%Rec	1E-	+ 4/22/2020 6:11:02 PM	51909	
Surr: 4	4-Bromofluorobenzene	97.5	70-130		%Rec	1E-	+ 4/22/2020 6:11:02 PM	51909	
Surr: I	Dibromofluoromethane	96.4	70-130		%Rec	1E-	+ 4/22/2020 6:11:02 PM	51909	
Surr:	Toluene-d8	98.6	70-130		%Rec	1E-	+ 4/22/2020 6:11:02 PM	51909	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 19 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associate	S	Client Sample ID: SL6-2'									
Project:	Green Frog Cafe		(	Collection Dat	e: 4/1	15/2020 2:20:00 PM						
Lab ID:	2004811-020	Matrix: SOIL		17/2020 8:45:00 AM								
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA MET	THOD 300.0: ANIONS					Analyst	: JMT					
Chloride		95	61	mg/Kg	20	4/21/2020 8:34:43 PM	52000					
EPA MET	THOD 8015D MOD: GASOLI	NE RANGE				Analyst	RAA					
Gasoline	e Range Organics (GRO)	ND	9.9	mg/Kg	2	4/22/2020 6:40:10 PM	51909					
Surr: I	BFB	92.0	70-130	%Rec	2	4/22/2020 6:40:10 PM	51909					
EPA MET	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	CLP					
Diesel R	ange Organics (DRO)	120	9.7	mg/Kg	1	4/20/2020 4:20:03 PM	51938					
Motor Oi	il Range Organics (MRO)	54	48	mg/Kg	1	4/20/2020 4:20:03 PM	51938					
Surr: I	DNOP	106	55.1-146	%Rec	1	4/20/2020 4:20:03 PM	51938					
EPA MET	THOD 8260B: VOLATILES S	HORT LIST				Analyst	RAA					
Benzene	)	0.066	0.050	mg/Kg	2	4/22/2020 6:40:10 PM	51909					
Toluene		0.22	0.099	mg/Kg	2	4/22/2020 6:40:10 PM	51909					
Ethylben	izene	0.15	0.099	mg/Kg	2	4/22/2020 6:40:10 PM	51909					
Xylenes,	Total	0.42	0.20	mg/Kg	2	4/22/2020 6:40:10 PM	51909					
Surr:	1,2-Dichloroethane-d4	94.9	70-130	%Rec	2	4/22/2020 6:40:10 PM	51909					
Surr: 4	4-Bromofluorobenzene	89.6	70-130	%Rec	2	4/22/2020 6:40:10 PM	51909					
Surr: I	Dibromofluoromethane	96.2	70-130	%Rec	2	4/22/2020 6:40:10 PM	51909					
Surr:	Toluene-d8	93.8	70-130	%Rec	2	4/22/2020 6:40:10 PM	51909					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 20 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	D: SL	.6-4'					
Project:	Green Frog Cafe		(	Collection Dat	e: 4/1	15/2020 2:24:00 PM					
Lab ID:	2004811-021	Matrix: SOIL		<b>Received Date:</b> 4/17/2020 8:45:00 AM							
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA ME	THOD 300.0: ANIONS					Analyst	: JMT				
Chloride		570	61	mg/Kg	20	4/21/2020 8:47:07 PM	52000				
EPA ME	THOD 8015D MOD: GASOLINE	RANGE				Analyst	RAA				
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	4/22/2020 7:09:47 PM	51909				
Surr:	BFB	92.4	70-130	%Rec	1	4/22/2020 7:09:47 PM	51909				
EPA ME	THOD 8015M/D: DIESEL RANGE	EORGANICS				Analyst	: ТОМ				
Diesel R	ange Organics (DRO)	70	9.9	mg/Kg	1	4/20/2020 11:26:55 AM	51939				
Motor O	il Range Organics (MRO)	ND	50	mg/Kg	1	4/20/2020 11:26:55 AN	51939				
Surr:	DNOP	88.8	55.1-146	%Rec	1	4/20/2020 11:26:55 AM	51939				
EPA ME	THOD 8260B: VOLATILES SHO	RT LIST				Analyst	RAA				
Benzene	e	0.093	0.025	mg/Kg	1	4/22/2020 7:09:47 PM	51909				
Toluene		0.17	0.050	mg/Kg	1	4/22/2020 7:09:47 PM	51909				
Ethylber	nzene	0.076	0.050	mg/Kg	1	4/22/2020 7:09:47 PM	51909				
Xylenes,	, Total	0.21	0.10	mg/Kg	1	4/22/2020 7:09:47 PM	51909				
Surr:	1,2-Dichloroethane-d4	92.4	70-130	%Rec	1	4/22/2020 7:09:47 PM	51909				
Surr:	4-Bromofluorobenzene	82.8	70-130	%Rec	1	4/22/2020 7:09:47 PM	51909				
Surr:	Dibromofluoromethane	96.1	70-130	%Rec	1	4/22/2020 7:09:47 PM	51909				
Surr:	Toluene-d8	99.7	70-130	%Rec	1	4/22/2020 7:09:47 PM	51909				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 21 of 36

**CLIENT:** Souder, Miller & Associates

**Analytical Report** Lab Order 2004811

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/27/2020 Client Sample ID: SL7-0.5' Collection Date: 4/15/2020 2:30:00 PM

Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	15/2020 2:30:00 PM	
Lab ID:	2004811-022	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	9	82	60		mg/Kg	20	4/21/2020 8:59:31 PM	52000
EPA ME	THOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA
Gasoline	e Range Organics (GRO)	9300	5000		mg/Kg	1E	+ 4/22/2020 7:38:58 PM	51909
Surr:	BFB	97.8	70-130		%Rec	1E	+ 4/22/2020 7:38:58 PM	51909
EPA ME	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	: том
Diesel R	Range Organics (DRO)	17000	880		mg/Kg	10	0 4/20/2020 12:41:19 PM	51939
Motor O	il Range Organics (MRO)	5400	4400		mg/Kg	10	0 4/20/2020 12:41:19 PM	51939
Surr:	DNOP	0	55.1-146	S	%Rec	10	0 4/20/2020 12:41:19 PM	51939
EPA ME	THOD 8260B: VOLATILES	SHORT LIST					Analyst	: RAA
Benzene	e	100	25		mg/Kg	1E	+ 4/22/2020 7:38:58 PM	51909
Toluene	•	450	50		mg/Kg	1E	+ 4/22/2020 7:38:58 PM	51909
Ethylber	nzene	150	50		mg/Kg	1E	+ 4/22/2020 7:38:58 PM	51909
Xylenes	, Total	330	99		mg/Kg	1E	+ 4/22/2020 7:38:58 PM	51909
Surr:	1,2-Dichloroethane-d4	98.4	70-130		%Rec	1E	+ 4/22/2020 7:38:58 PM	51909
Surr:	4-Bromofluorobenzene	95.4	70-130		%Rec	1E	+ 4/22/2020 7:38:58 PM	51909
Surr:	Dibromofluoromethane	100	70-130		%Rec	1E	+ 4/22/2020 7:38:58 PM	51909
Surr:	Toluene-d8	99.4	70-130		%Rec	1E	+ 4/22/2020 7:38:58 PM	51909

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 22 of 36

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associate	es	Cl	ient Sa	ample II	<b>D:</b> SL7-1'		
Project:	Green Frog Cafe		(	Collect	ion Dat	te: 4/15/2020 2:32:00 PM		
Lab ID:	2004811-023	Matrix: SOIL	Matrix: SOIL         Received Date: 4/17/2020 8:45:00					
Analyses	5	Result	RL	Qual	Units	DF Date Analyzed Batch	_	
EPA ME	THOD 300.0: ANIONS					Analyst: <b>JMT</b>		
Chloride		140	59		mg/Kg	20 4/21/2020 9:11:56 PM 52000		
	THOD 8015D MOD: GASOL	INE RANGE				Analyst: <b>DJF</b>		
Gasoline	e Range Organics (GRO)	16000	4900		mg/Kg	1E+ 4/23/2020 12:38:06 PM 51909		
Surr:	BFB	97.9	70-130		%Rec	1E+ 4/23/2020 12:38:06 PM 51909		
EPA ME	THOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: <b>TOM</b>		
Diesel R	ange Organics (DRO)	22000	950		mg/Kg	100 4/20/2020 1:06:09 PM 51939		
Motor O	il Range Organics (MRO)	7300	4800		mg/Kg	100 4/20/2020 1:06:09 PM 51939		
Surr:	DNOP	0	55.1-146	S	%Rec	100 4/20/2020 1:06:09 PM 51939		
EPA ME	THOD 8260B: VOLATILES	SHORT LIST				Analyst: DJF		
Benzene	9	250	24		mg/Kg	1E+ 4/23/2020 12:38:06 PM 51909		
Toluene		800	49		mg/Kg	1E+ 4/23/2020 12:38:06 PM 51909		
Ethylber	izene	230	49		mg/Kg	1E+ 4/23/2020 12:38:06 PM 51909		
Xylenes,	, Total	510	97		mg/Kg	1E+ 4/23/2020 12:38:06 PM 51909		
Surr:	1,2-Dichloroethane-d4	92.7	70-130		%Rec	1E+ 4/23/2020 12:38:06 PM 51909		
Surr:	4-Bromofluorobenzene	96.9	70-130		%Rec	1E+ 4/23/2020 12:38:06 PM 51909		
Surr:	Dibromofluoromethane	98.9	70-130		%Rec	1E+ 4/23/2020 12:38:06 PM 51909		
Surr:	Toluene-d8	97.8	70-130		%Rec	1E+ 4/23/2020 12:38:06 PM 51909		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 23 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associat	tes	Client Sample ID: SL7-2'								
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/15	/2020 2:39:00 PM				
Lab ID:	2004811-024	Matrix: SOIL	Matrix: SOIL         Received Date: 4/17/2020 8:45:00								
Analyses	5	Result	RL	Qual	Units	DF I	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS						Analyst	ЈМТ			
Chloride		81	60		mg/Kg	20	4/21/2020 9:24:20 PM	52000			
EPA MET	THOD 8015D MOD: GASO	LINE RANGE					Analyst	DJF			
Gasoline	e Range Organics (GRO)	11000	5000		mg/Kg	1E+	4/23/2020 1:06:48 PM	51909			
Surr: I	BFB	98.5	70-130		%Rec	1E+	4/23/2020 1:06:48 PM	51909			
EPA MET	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	BRM			
Diesel R	ange Organics (DRO)	14000	490		mg/Kg	50	4/22/2020 10:56:47 PM	51939			
Motor Oi	il Range Organics (MRO)	4400	2500		mg/Kg	50	4/22/2020 10:56:47 PM	51939			
Surr: I	DNOP	0	55.1-146	S	%Rec	50	4/22/2020 10:56:47 PM	51939			
EPA MET	THOD 8260B: VOLATILES	SHORT LIST					Analyst	DJF			
Benzene	9	87	25		mg/Kg	1E+	4/23/2020 1:06:48 PM	51909			
Toluene		400	50		mg/Kg	1E+	4/23/2020 1:06:48 PM	51909			
Ethylben	izene	140	50		mg/Kg	1E+	4/23/2020 1:06:48 PM	51909			
Xylenes,	, Total	310	100		mg/Kg	1E+	4/23/2020 1:06:48 PM	51909			
Surr:	1,2-Dichloroethane-d4	92.7	70-130		%Rec	1E+	4/23/2020 1:06:48 PM	51909			
Surr: 4	4-Bromofluorobenzene	96.3	70-130		%Rec	1E+	4/23/2020 1:06:48 PM	51909			
Surr: I	Dibromofluoromethane	99.7	70-130		%Rec	1E+	4/23/2020 1:06:48 PM	51909			
Surr:	Toluene-d8	97.8	70-130		%Rec	1E+	4/23/2020 1:06:48 PM	51909			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 24 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associat	es	Cl	ient Sample II	D: SL	.7-4'	
Project:	Green Frog Cafe		(	Collection Dat	<b>e:</b> 4/2	15/2020 2:39:00 PM	
Lab ID:	2004811-025	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 4/2	17/2020 8:45:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride		73	60	mg/Kg	20	4/21/2020 9:36:44 PM	52000
EPA MET	THOD 8015D MOD: GASOL	INE RANGE				Analyst	DJF
Gasoline	e Range Organics (GRO)	ND	9.8	mg/Kg	2	4/23/2020 1:35:32 PM	51909
Surr: I	BFB	101	70-130	%Rec	2	4/23/2020 1:35:32 PM	51909
EPA MET	THOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst	: ТОМ
Diesel R	ange Organics (DRO)	69	9.9	mg/Kg	1	4/20/2020 1:56:07 PM	51939
Motor Oi	il Range Organics (MRO)	ND	49	mg/Kg	1	4/20/2020 1:56:07 PM	51939
Surr: I	DNOP	74.0	55.1-146	%Rec	1	4/20/2020 1:56:07 PM	51939
EPA MET	THOD 8260B: VOLATILES	SHORT LIST				Analyst	DJF
Benzene	9	0.059	0.049	mg/Kg	2	4/23/2020 1:35:32 PM	51909
Toluene		0.11	0.098	mg/Kg	2	4/23/2020 1:35:32 PM	51909
Ethylben	izene	ND	0.098	mg/Kg	2	4/23/2020 1:35:32 PM	51909
Xylenes,	Total	0.21	0.20	mg/Kg	2	4/23/2020 1:35:32 PM	51909
Surr:	1,2-Dichloroethane-d4	91.8	70-130	%Rec	2	4/23/2020 1:35:32 PM	51909
Surr: 4	4-Bromofluorobenzene	92.6	70-130	%Rec	2	4/23/2020 1:35:32 PM	51909
Surr: I	Dibromofluoromethane	98.1	70-130	%Rec	2	4/23/2020 1:35:32 PM	51909
Surr:	Toluene-d8	98.2	70-130	%Rec	2	4/23/2020 1:35:32 PM	51909

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 25 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

<b>CLIENT:</b>	Souder, Miller & Associate	S	Cl	ient Sa	ample II	D: SL	8-0.5'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 2:50:00 PM	
Lab ID:	2004811-026	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		340	60		mg/Kg	20	4/21/2020 9:49:09 PM	52000
	THOD 8015D MOD: GASOLI	NE RANGE					Analyst	DJF
Gasoline	e Range Organics (GRO)	6000	2500		mg/Kg	500	) 4/23/2020 2:04:14 PM	51909
Surr:	BFB	102	70-130		%Rec	500	) 4/23/2020 2:04:14 PM	51909
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	15000	860		mg/Kg	100	) 4/21/2020 7:20:16 PM	51939
Motor O	il Range Organics (MRO)	5200	4300		mg/Kg	100	4/21/2020 7:20:16 PM	51939
Surr:	DNOP	0	55.1-146	S	%Rec	100	) 4/21/2020 7:20:16 PM	51939
EPA ME	THOD 8260B: VOLATILES S	HORT LIST					Analyst	DJF
Benzene	9	60	12		mg/Kg	500	) 4/23/2020 2:04:14 PM	51909
Toluene		290	25		mg/Kg	500	) 4/23/2020 2:04:14 PM	51909
Ethylber	izene	110	25		mg/Kg	500	) 4/23/2020 2:04:14 PM	51909
Xylenes,	, Total	240	49		mg/Kg	500	) 4/23/2020 2:04:14 PM	51909
Surr:	1,2-Dichloroethane-d4	97.8	70-130		%Rec	500	) 4/23/2020 2:04:14 PM	51909
Surr:	4-Bromofluorobenzene	99.5	70-130		%Rec	500	) 4/23/2020 2:04:14 PM	51909
Surr:	Dibromofluoromethane	101	70-130		%Rec	500	) 4/23/2020 2:04:14 PM	51909
Surr:	Toluene-d8	101	70-130		%Rec	500	) 4/23/2020 2:04:14 PM	51909

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 26 of 36

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D: SL	8-1'	
Project:	Green Frog Cafe		(	Collect	ion Dat	<b>e:</b> 4/1	5/2020 2:52:00 PM	
Lab ID:	2004811-027	Matrix: SOIL		7/2020 8:45:00 AM				
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	JMT
Chloride		520	60		mg/Kg	20	4/21/2020 10:01:33 PM	52000
EPA ME	THOD 8015D MOD: GASOLINE	RANGE					Analyst	DJF
Gasoline	e Range Organics (GRO)	10000	5000		mg/Kg	1E-	+ 4/23/2020 2:32:44 PM	51909
Surr:	BFB	99.2	70-130		%Rec	1E-	+ 4/23/2020 2:32:44 PM	51909
EPA ME	THOD 8015M/D: DIESEL RANG	EORGANICS					Analyst	ТОМ
Diesel R	ange Organics (DRO)	16000	960		mg/Kg	100	) 4/20/2020 2:46:04 PM	51939
Motor O	il Range Organics (MRO)	5200	4800		mg/Kg	100	0 4/20/2020 2:46:04 PM	51939
Surr:	DNOP	0	55.1-146	S	%Rec	100	) 4/20/2020 2:46:04 PM	51939
EPA ME	THOD 8260B: VOLATILES SHO	RT LIST					Analyst	DJF
Benzene	9	150	25		mg/Kg	1E-	+ 4/23/2020 2:32:44 PM	51909
Toluene		530	50		mg/Kg	1E-	+ 4/23/2020 2:32:44 PM	51909
Ethylber	nzene	160	50		mg/Kg	1E-	+ 4/23/2020 2:32:44 PM	51909
Xylenes	, Total	360	99		mg/Kg	1E-	+ 4/23/2020 2:32:44 PM	51909
Surr:	1,2-Dichloroethane-d4	92.2	70-130		%Rec	1E-	+ 4/23/2020 2:32:44 PM	51909
Surr:	4-Bromofluorobenzene	103	70-130		%Rec	1E-	+ 4/23/2020 2:32:44 PM	51909
Surr:	Dibromofluoromethane	98.7	70-130		%Rec	1E-	+ 4/23/2020 2:32:44 PM	51909
Surr:	Toluene-d8	94.9	70-130		%Rec	1E-	+ 4/23/2020 2:32:44 PM	51909

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 27 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associate	es	Cl	ient S	ample II	D: SL	.8-2'	
Project:	Green Frog Cafe		(	Collect	tion Dat	<b>e:</b> 4/1	5/2020 2:55:00 PM	
Lab ID:	2004811-028	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 4/1	7/2020 8:45:00 AM	
Analyses	5	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	јмт
Chloride		2300	150		mg/Kg	50	4/22/2020 1:57:05 PM	52000
EPA ME	THOD 8015D MOD: GASOL	INE RANGE					Analyst	DJF
Gasoline	e Range Organics (GRO)	140	9.9		mg/Kg	2	4/23/2020 3:01:12 PM	51909
Surr:	BFB	105	70-130		%Rec	2	4/23/2020 3:01:12 PM	51909
EPA ME	THOD 8015M/D: DIESEL RA	ANGE ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	480	9.2		mg/Kg	1	4/21/2020 4:03:48 PM	51939
Motor O	il Range Organics (MRO)	190	46		mg/Kg	1	4/21/2020 4:03:48 PM	51939
Surr:	DNOP	96.6	55.1-146		%Rec	1	4/21/2020 4:03:48 PM	51939
EPA ME	THOD 8260B: VOLATILES	SHORT LIST					Analyst	DJF
Benzene	9	0.14	0.049		mg/Kg	2	4/23/2020 3:01:12 PM	51909
Toluene		1.9	0.099		mg/Kg	2	4/23/2020 3:01:12 PM	51909
Ethylber	izene	1.6	0.099		mg/Kg	2	4/23/2020 3:01:12 PM	51909
Xylenes,	, Total	4.4	0.20		mg/Kg	2	4/23/2020 3:01:12 PM	51909
Surr:	1,2-Dichloroethane-d4	91.7	70-130		%Rec	2	4/23/2020 3:01:12 PM	51909
Surr:	4-Bromofluorobenzene	66.9	70-130	S	%Rec	2	4/23/2020 3:01:12 PM	51909
Surr:	Dibromofluoromethane	96.4	70-130		%Rec	2	4/23/2020 3:01:12 PM	51909
Surr:	Toluene-d8	93.9	70-130		%Rec	2	4/23/2020 3:01:12 PM	51909

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 28 of 36

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004811

Date Reported: 4/27/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	D: SL	.8-5'	
Project:	Green Frog Cafe		(	Collection Dat	e: 4/1	15/2020 3:01:00 PM	
Lab ID:	2004811-029	Matrix: SOIL		<b>Received Dat</b>	7/2020 8:45:00 AM		
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride		690	60	mg/Kg	20	4/21/2020 10:51:12 PM	52000
EPA MET	THOD 8015D MOD: GASOLINE	RANGE				Analyst:	DJF
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	4/23/2020 3:29:41 PM	51909
Surr: I	BFB	100	70-130	%Rec	1	4/23/2020 3:29:41 PM	51909
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	том
Diesel R	ange Organics (DRO)	29	9.4	mg/Kg	1	4/20/2020 3:36:06 PM	51939
Motor Oi	il Range Organics (MRO)	ND	47	mg/Kg	1	4/20/2020 3:36:06 PM	51939
Surr: I	DNOP	82.4	55.1-146	%Rec	1	4/20/2020 3:36:06 PM	51939
EPA MET	THOD 8260B: VOLATILES SHO	RT LIST				Analyst:	DJF
Benzene	9	0.11	0.025	mg/Kg	1	4/23/2020 3:29:41 PM	51909
Toluene		0.082	0.049	mg/Kg	1	4/23/2020 3:29:41 PM	51909
Ethylben	izene	ND	0.049	mg/Kg	1	4/23/2020 3:29:41 PM	51909
Xylenes,	, Total	ND	0.099	mg/Kg	1	4/23/2020 3:29:41 PM	51909
Surr:	1,2-Dichloroethane-d4	90.5	70-130	%Rec	1	4/23/2020 3:29:41 PM	51909
Surr: 4	4-Bromofluorobenzene	97.5	70-130	%Rec	1	4/23/2020 3:29:41 PM	51909
Surr: I	Dibromofluoromethane	94.7	70-130	%Rec	1	4/23/2020 3:29:41 PM	51909
Surr:	Toluene-d8	96.6	70-130	%Rec	1	4/23/2020 3:29:41 PM	51909

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 29 of 36

Client: Project:	Soude Green	r, Miller & Associa Frog Cafe	ates							
Sample ID:	MB-51981	SampType: I	mblk	Tes	tCode: EPA N	lethod 3	00.0: Anions	;		
Client ID:	PBS	Batch ID:	51981	F	unNo: 68314	l I				
Prep Date:	4/21/2020	Analysis Date:	4/21/2020	S	eqNo: 23634	80	Units: <b>mg/K</b> g	9		
Analyte Chloride		Result PQI ND 1	_ SPK value	SPK Ref Val	%REC Lov	wLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-51981	SampType: I	cs	Tes	tCode: EPA N	lethod 3	00.0: Anions	;		
Client ID:	LCSS	Batch ID:	51981	F	unNo: 68314	ļ.				
Prep Date:	4/21/2020	Analysis Date:	4/21/2020	S	eqNo: 23634	81	Units: <b>mg/K</b> g	9		
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC Lov	wLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.	.5 15.00	0	94.3	90	110			
Sample ID:	MB-52000	SampType: I	mblk	Tes	tCode: EPA N	lethod 3	00.0: Anions	;		
Client ID:	PBS	Batch ID:	52000	F	unNo: 68314	Ļ				
Prep Date:	4/21/2020	Analysis Date:	4/21/2020	S	eqNo: 23635	518	Units: <b>mg/K</b> g	9		
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC Lov	wLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.	.5							
Sample ID:	LCS-52000	SampType: I	cs	Tes	tCode: EPA N	lethod 3	00.0: Anions	;		
Client ID:	LCSS	Batch ID:	52000	F	tunNo: 68314	l I				
Prep Date:	4/21/2020	Analysis Date:	4/21/2020	S	eqNo: 23635	519	Units: <b>mg/K</b>	9		
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC Lov	wLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.	.5 15.00	0	96.5	90	110			

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 30 of 36

WO#: 2004811

27-Apr-20

Client: Souder, I Project: Green Fr	Miller & Asso og Cafe	ociate	28							
Sample ID: LCS-51908	SampTyp	e: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch II	): <b>51</b>	908	F	RunNo: 6	8236				
Prep Date: 4/17/2020	Analysis Date	e: 4/	19/2020	S	SeqNo: 2	360040	Units: mg/k	٢g		
Analyte	Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	70	130			
Surr: DNOP	5.6		5.000		113	55.1	146			
Sample ID: MB-51908	SampTyp	e: Me	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID	): <b>51</b>	908	F	RunNo: 6	8236				
Prep Date: 4/17/2020	Analysis Date	e: <b>4/</b>	19/2020	5	SeqNo: 2	360063	Units: <b>mg/k</b>	٢g		
Analyte	Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50	40.00			A	4.40			
Surr: DNOP	11		10.00		114	55.1	146			
Sample ID: LCS-51945	SampTyp	e: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch ID	): <b>51</b>	945	F	RunNo: 6	8265				
Prep Date: 4/19/2020	Analysis Date	e: <b>4/</b>	20/2020	5	SeqNo: 2	361902	Units: mg/k	ζg		
Analyte	Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	70	130			
Surr: DNOP	3.7		5.000		73.6	55.1	146			
Sample ID: MB-51945	SampTyp	e: Me	3LK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch II	): <b>51</b>	945	F	RunNo: 6	8265				
Prep Date: 4/19/2020	Analysis Date	e: <b>4/</b>	20/2020	5	SeqNo: 2	361904	Units: <b>mg/#</b>	٤g		
Analyte	Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.4		10.00		74.4	55.1	146			
Sample ID: 2004811-021AMS	SampTyp	e: MS	5	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: SL6-4'	Batch I	D: <b>51</b>	939	F	RunNo: 6	8266				
Prep Date: 4/19/2020	Analysis Date	e: <b>4/</b>	20/2020	5	SeqNo: 2	361915	Units: <b>mg/k</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	98	9.8	48.78	69.57	58.0	47.4	136			
Surr: DNOP	4.4		4.878		90.2	55.1	146			

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

- WO#: 2004811 27-Apr-20

Client:	Souder, M	liller & Ass	sociate	es							
Project:	Green Fro	g Cafe									
Sample ID:	2004811-021AMSD	SampTy	pe: <b>M</b> S	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	SL6-4'	Batch	ID: <b>51</b>	939	F	RunNo: <b>68</b>	3266				
Prep Date:	4/19/2020	Analysis Da	te: 4/	20/2020	S	SeqNo: 23	361916	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	110	9.9	49.26	69.57	89.6	47.4	136	14.9	43.4	
Surr: DNOP		4.2		4.926		85.4	55.1	146	0	0	
Sample ID:	LCS-51939	SampTy	pe: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: <b>51</b>	939	F	RunNo: <b>68</b>	3266				
Prep Date:	4/19/2020	Analysis Da	te: 4/	20/2020	5	SeqNo: 23	361959	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	46	10	50.00	0	91.4	70	130			
Surr: DNOP		3.9		5.000		77.4	55.1	146			
Sample ID:	MB-51939	SampTy	pe: <b>ME</b>	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: <b>51</b>	939	F	RunNo: <b>68</b>	3266				
Prep Date:	4/19/2020	Analysis Da	te: 4/	20/2020	S	SeqNo: 23	361961	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	ND	10								
Motor Oil Rang	ge Organics (MRO)	ND	50								
Surr: DNOP		8.3		10.00		82.8	55.1	146			
Sample ID:	MB-51938	SampTy	pe: <b>ME</b>	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: <b>51</b>	938	F	RunNo: <b>68</b>	3249				
Prep Date:	4/19/2020	Analysis Da	te: 4/	20/2020	5	SeqNo: 23	362082	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	ND	10								
Motor Oil Rang	ge Organics (MRO)	ND	50								
Surr: DNOP		8.4		10.00		84.4	55.1	146			
Sample ID:	LCS-51938	SampTy	pe: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: <b>51</b>	938	F	RunNo: <b>68</b>	3249				
Prep Date:	4/19/2020	Analysis Da	te: 4/	20/2020	S	SeqNo: 23	362083	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	46	10	50.00	0	91.5	70	130			
Surr: DNOP		4.1		5.000		82.9	55.1	146			

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2004811 27-Apr-20

Client: Souder	, Miller & A	ssociate	s								
Project: Green l	Frog Cafe										
Sample ID: Ics-51897	SampT	Гуре: <b>LC</b>	S4	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List		
Client ID: BatchQC	Batcl	h ID: 518	897	RunNo: 68321							
Prep Date: 4/17/2020	Analysis D	Date: 4/	20/2020	S	SeqNo: 2	363812	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.96	0.025	1.000	0	95.7	80	120				
Toluene	1.1	0.050	1.000	0	106	80	120				
Ethylbenzene	1.1	0.050	1.000	0	106	80	120				
Xylenes, Total	3.1	0.10	3.000	0	104	80	120				
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.3	70	130				
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.3	70	130				
Surr: Dibromofluoromethane	0.47		0.5000		93.1	70	130				
Surr: Toluene-d8	0.49		0.5000		97.1	70	130				
Sample ID: Ics-51909	SampT	Гуре: <b>LC</b>	S4	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List		
Client ID: BatchQC	Batcl	h ID: 519	909	F	RunNo: <b>6</b> 8	8321					
Prep Date: 4/17/2020	Analysis D	Date: 4/	21/2020	S	SeqNo: 2	363813	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.89	0.025	1.000	0	88.5	80	120				
Toluene	1.1	0.050	1.000	0	107	80	120				
Ethylbenzene	1.1	0.050	1.000	0	108	80	120				
Xylenes, Total	3.1	0.10	3.000	0	104	80	120				
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.4	70	130				
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.7	70	130				
Surr: Dibromofluoromethane	0.45		0.5000		90.3	70	130				
Surr: Toluene-d8	0.49		0.5000		98.6	70	130				
Sample ID: mb-51897	SampT	Гуре: <b>МЕ</b>	BLK	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List		
Client ID: PBS	Batcl	h ID: 518	897	F	RunNo: 68	8321					
Prep Date: 4/17/2020	Analysis D	Date: 4/	20/2020	S	SeqNo: 2	363814	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130				
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.9	70	130				
Surr: Dibromofluoromethane	0.46		0.5000		92.3	70	130				
Surr: Toluene-d8	0.49		0.5000		98.6	70	130				

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2004811

27-Apr-20

Client:	Souder, N	/liller & A	ssociate	s								
Project:	Green Fro	og Cafe										
Sample ID:	mb-51909	SampT	уре: МЕ	BLK	Tes	tCode: E	PA Method	8260B: Volat	tiles Short	List		
Client ID:	PBS	Batch	n ID: 519	909	RunNo: 68321							
Prep Date:	4/17/2020	Analysis D	)ate: 4/2	21/2020	5	SeqNo: 2	363815	Units: mg/k	٤g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		ND	0.025					0				
Toluene		ND	0.050									
Ethylbenzene		ND	0.050									
Xylenes, Total		ND	0.10									
Surr: 1,2-Dic	chloroethane-d4	0.45		0.5000		90.2	70	130				
Surr: 4-Brom	nofluorobenzene	0.49		0.5000		97.3	70	130				
Surr: Dibrom	ofluoromethane	0.46		0.5000		92.1	70	130				
Surr: Toluen	e-d8	0.49		0.5000		97.2	70	130				
Sample ID:	2004811-016ams	SampT	ype: <b>MS</b>	64	Tes	tCode: E	PA Method	8260B: Volat	tiles Short	List		
Client ID:	SL5-2'	Batch	n ID: 519	909	F	RunNo: 6	8352					
Prep Date:	4/17/2020	Analysis D	)ate: 4/2	22/2020	S	SeqNo: 2	364794	Units: mg/k	٤g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.90	0.049	0.9814	0.04381	87.4	80	120				
Toluene		1.2	0.098	0.9814	0.2725	90.3	80	120				
Ethylbenzene		1.2	0.098	0.9814	0.2087	96.2	80	120				
Xylenes, Total		3.4	0.20	2.944	0.5972	94.3	80	120				
Surr: 1,2-Dic	chloroethane-d4	0.93		0.9814		94.3	70	130				
Surr: 4-Brom	nofluorobenzene	0.84		0.9814		85.6	70	130				
Surr: Dibrom	ofluoromethane	0.93		0.9814		94.3	70	130				
Surr: Toluen	e-d8	0.95		0.9814		96.8	70	130				
Sample ID:	2004811-016amsd	SampT	ype: MS	SD4	Tes	tCode: E	PA Method	8260B: Volat	tiles Short	List		
Client ID:	SL5-2'	Batch	n ID: 519	909	F	RunNo: 6	8352					
Prep Date:	4/17/2020	Analysis D	Date: 4/2	22/2020	5	SeqNo: 2	364795	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.88	0.050	1.000	0.04381	83.7	80	120	2.34	20		
Toluene		1.1	0.10	1.000	0.2725	82.2	80	120	5.63	20		
Ethylbenzene		1.1	0.10	1.000	0.2087	90.1	80	120	3.79	20		
Xylenes, Total		3.3	0.20	3.000	0.5972	89.4	80	120	2.81	20		
Surr: 1,2-Dic	hloroethane-d4	0.97		1.000		96.8	70	130	0	0		
Surr: 4-Brom	nofluorobenzene	0.88		1.000		87.6	70	130	0	0		
Surr: Dibrom	ofluoromethane	0.97		1.000		96.9	70	130	0	0		
Surr: Toluen	e-d8	0.96		1.000		95.8	70	130	0	0		

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

WO#: 2004811 27-Apr-20

Client: Project:	Souder, N Green Fro	filler & A og Cafe	ssociat	es							
Sample ID: 200481	1-017ams	SampT	ype: M	s	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: SL5-4'		Batcl	h ID: 51	909	F	RunNo: 6	8321				
Prep Date: 4/17/2	2020	Analysis D	Date: 4	/21/2020	S	SeqNo: 2	363948	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic Surr: BFB	es (GRO)	20 490	5.0	25.00 500.0	1.645	74.1 97.9	70 70	130 130			
Sample ID: 200481	1-017amsd	SampT	ype: M	SD	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: SL5-4'		Batc	h ID: 51	909	F	RunNo: 6	8321				
Prep Date: 4/17/2	2020	Analysis E	Date: 4	/21/2020	S	SeqNo: 2	363949	Units: mg/k	ſg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO)	18	4.9	24.49	1.645	67.4	70	130	10.7	20	S
Surr: BFB		460		489.7		94.2	70	130	0	0	
Sample ID: Ics-518	397	SampT	ype: LC	CS	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: LCSS		Batc	h ID: 51	897	F	RunNo: 6	8321				
Prep Date: 4/17/2	2020	Analysis E	Date: 4	/20/2020	S	SeqNo: 2	363970	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO)	20	5.0	25.00	0	80.9	70	130			
Surr: BFB		480		500.0		96.4	70	130			
Sample ID: Ics-519	909	SampT	ype: LC	CS	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS		Batcl	h ID: 51	909	F	RunNo: 6	8321				
Prep Date: 4/17/2	2020	Analysis E	Date: 4	/21/2020	S	SeqNo: 2	363971	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO)	20	5.0	25.00	0	81.2	70	130			
Surr: BFB		490		500.0		98.3	70	130			
Sample ID: mb-518	397	SampT	Гуре: <b>М</b>	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: PBS		Batcl	h ID: <b>51</b>	897	F	RunNo: 6	8321				
Prep Date: 4/17/2	2020	Analysis E	Date: 4	/20/2020	S	SeqNo: 2	363972	Units: <b>mg/k</b>	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO)	ND	5.0								
Surr: BFB		480		500.0		95.9	70	130			
Sample ID: mb-519	909	SampT	Гуре: <b>М</b>	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS		Batc	h ID: 51	909	F	RunNo: 6	8321				
Prep Date: 4/17/2	2020	Analysis E	Date: 4	/21/2020	S	SeqNo: 2	363973	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Value exceeds Maximum Contaminant Level. \*

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank в

Е Value above quantitation range

J Analyte detected below quantitation limits Р

Sample pH Not In Range RL

WO#: 2004811 27-Apr-20
Client: Project:	Souder, Miller & Asso Green Frog Cafe	ciates									
Sample ID: mb-5190	Sample ID: mb-51909     SampType: MBLK     TestCode: EPA Method 8015D Mod: Gasoline Range										
Client ID: <b>PBS</b> Batch ID: <b>51909</b> RunNo: <b>68321</b>											
Prep Date: 4/17/20	Analysis Date	: 4/21/20	020	S	eqNo: 23	863973	Units: mg/Kg	9			
Analyte	Result I	PQL SPI	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics	(GRO) ND	5.0									
Surr: BFB	480		500.0		95.9	70	130				

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 36 of 36

2004811

27-Apr-20

WO#:

Receiv	ed by OCD: 6/	/19/2020 10:41:30 AM	Hall Enviro	onmental Analysis Labora	tory		Page
	ANAL LABO	RONMENTAL YSIS RATORY	TEL: 505 Website.	4901 Hawkin: Albuquerque, NM 87 345-3975 FAX: 505-345-4 : www.hallenvironmental.	NE 109 <b>Sar</b> 107 com	nple Log-In Che	ck List
	Client Name:	SMA-CARLSBAD	Work Order	Number: 2004811		RcptNo: 1	
	Received By: Completed By: Reviewed By:	Desiree Dominguez Desiree Dominguez SC 4/17/20	4/17/2020 రో 4/17/2020 7:50	5:45 <sup>449</sup> 4/17/26	An An		
	<u>Chain of Cus</u> 1. Is Chain of C 2. How was the	stody Sustody sufficiently complete? sample delivered?		Yes <b>V</b>	No 🗌	Not Present 🗌	
	Log In 3. Was an atten	npt made to cool the samples	?	Yes 🗸	No 🗌		
	4. Were all sam	ples received at a temperatur	e of >0° C to 6.0°C	Yes 🗹	No 🗌		
	5. Sample(s) in	proper container(s)?		Yes 🔽	No 🗌		
	6. Sufficient sam 7. Are samples (	nple volume for indicated test( (except VOA and ONG) prope	s)? rly preserved?	Yes 🔽 Yes 🔽	No 🗌 No 🗌		
	8. Was preserva	tive added to bottles?		Yes 🗌	No 🗹	NA 🗌	
3	9. Received at le	east 1 vial with headspace <1/	4" for AQ VOA?	Yes	No 🗌	NA 🗹	
	IU. Were any sar	nple containers received brok	en?	Yes └┘ Yes ☑	No 🗹	# of preserved bottles checked for pH:	
1	2. Are matrices of	ancies on chain or custody) correctly identified on Chain o	f Custody?	Yes 🗹	No 🗌	(<2 or >12) Adjusted?	unless noted)

Special Handling (if applicable)

13. Is it clear what analyses were requested?

(If no, notify customer for authorization.)

14. Were all holding times able to be met?

15. Was client notified of all discrepancies	with this order?	Yes [		No 🗌	NA 🔽
Person Notified:	Date	:	G. W. LANDANCA PORT		
By Whom:	Via:	🗌 eMail	Pho	ne 🗌 Fax	In Person
Regarding:					antine (18-19 with balls and the ball and as a
Client Instructions:			NA SEA DONA TO COMPANY		

No 🗌

No 🗌

Checked by: SPA 4/17/20

Yes 🖌

Yes 🗸

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good	Not Present			

Received by OCD: 6/19/2	020 1	<b>0:4</b>	1:30 AN	1																Pa	l <del>ge 75 o</del>	<b>f</b> 10
<b>Hall ENVIRONMENTAL</b> <b>ANALYSIS LABORATORY</b> www.hallenvironmental.com awkins NE - Albuquerque, NM 87109 65-345-3975 Eax 505-345-4107	Analysis Request	0:4 (1u	SMI20	04.1) or 8270 A) Preser	-VO -VO -10 ( -10 (	9 (100 ) 3 Met 3 Met 3 (AO) (AO) (AO) (AO) (AO) (AO) (AO) (AO)	EDB (M PAHs b RCRA 8 8260 (V 8270 (S 8270 (S Total Co	X												Pi	1 <u>ge 75 o</u>	h-contracted data will be clearly indiated on the analytical report $\mathcal{J}$
		-	PCB's	2808\	səbi	oitee	9 1808													:S		Anv si
		(0)			(GB	19D	08:H9T	X								_			1	emark		sibility
		(1	.208) s'8	amt /	/ 38 	(°C)	REN	$\times$											T	50 Rei	, YN	ce of this pose
loy .				A No	2	4-0.0=3.4	DOU4811	- 001	- 002	- 00 3	400-	- 005	- 006	- 007	~008	-009	- 010	-011	- 012	CHIG Time	Date Time	ins This serves as noti
d Time: 5 o d <b>Rusi</b> ne:		lager:	Maxwe	SOV/LA Ves		p(including CF): 3,4	Preservative Type	Cool											_)	Via:	Via: District	accredited lahoratori
Turn-Around Defect Nam Project Nam Project #:		Project Man	Ashlev	Sampler: On Ice:	# of Coolers	Cooler Tem	Container Type and #	402											J.	Received by:	Received by:	contracted to other
ustody Record S. Halequero	2000		Level 4 (Full Validation)	ompliance er			Sample Name	SL1-0.5'	561-11	SLL-21	SL2-0.51	512-21	512-31	Su3-0.51	SL3-21	Su3-31	SL3-41	SL4-0.51	SL4-11	ned by: () () ()10M or (10) () By cons (19	hed by:	Inhmitted to Hall Environmental may he sub
NIA Ss: 201			ö	□ Az C □ Othe			Matrix	Soil				-							T	Relinquis	Relinquis	N sampa su
Chair S Addres	#:	or Fax#:	: Packag ndard	ditation: LAC	D (Type		Time	04:11	LH:11	04=11	11:53	12:00	12:59	12:14	12:21	1:04	01:1	1:13	1:20	Time:	Time:	If necessal
Client:	Phone	email	QA/QC				Date	4/15/20											$\rightarrow$	Date: H//6/20	Date	1 /

1

Page 75 of 107.

<b>Received by OCD: 6/19/2020</b>	0:41:30 AM						Page 77 of 107
Ч <u>ү</u>							
A D							di la
							cal rep
7106 NB	and the second second		17-	· ·			analytic
BB0 B0				-			n the a
RO Ital.c Jue, N i-345	otal Coliform (Present/Absent)			-			ated o
S I S Lerqu	(AOV-im92) 0728	8			 		rly not
SI SI buqu Fax	(AOV) 0828						be clea
Anal - Al	CI) E' BL' NO3' NO <sup>5</sup> ' EO <sup>4</sup> ' 20 <sup>4</sup>	)×-					a will t
MLI M.ha NE 3975	SCRA 8 Metals						ed dat
HA AN ww kins 345-	2MI20728 10 0128 vd aHA					+ $+$ $-$	ontract
Haw 505-5	EDB (Method 504.1)						- co
901	(0) IN (0) C						ks:
		X-		-7	 		emar ssibility
	TEX MTRE / TMB's (8021)						B S S S S S S S S S S S S S S S S S S S
							e of the
	No.		r+	8			as noti
		200	200	60			e e e e e
(p)	NO 00	100	) ī	1 1			Dat Dat
hay hay	e : -		+		 		uties.
Rus	vativ	-0					aborat
		U U					/ia: /ia:
e. d					 		accre
#: War	Mar Br: Olers Der	~					by: by:
oject	oject	-0-					ceived ceived
	Pro 80 83						Rec Rec
	(inoi						be sut
	lidati						I may
Nev l		TI	)-1	-)-			ments
<b>n</b>	Nar	2 61		GN		(	Invitor
20 dy	and a set of	C a	000	é je			Hall
835 +	l Le	20	JS SI	SIS			itted to
				_			ished ished
DOI DOI	] Az	100		$\rightarrow$			elinqu elinqu mples
		50		10		+	A A S S S S S S S S S S S S S S S S S S
ddre SN	Fax# ackas ard Type	2:3	2:5	3:01			ime: ime: imes
nt: ClS A	DD (	020				+	120 1
Phone Clie		4/15					Date



May 28, 2020

Ashley Maxwell Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2005806

RE: Green Frog Fed

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/19/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	s Laboratory, In	c.			Analytical Report Lab Order 2005806	020
CLIENT: Souder, Miller & Associates Project: Green Frog Fed Lab ID: 2005806-001	Matrix: SOIL	Clien Coll Re	t Sample II ection Dat ceived Dat	<b>D: SL</b> e: 5/1 e: 5/1	.5-4' 17/2020 2:08:00 PM 19/2020 9:30:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	1900	60	mg/Kg	20	Analys 5/23/2020 8:48:37 PM	st: <b>MRA</b> 52667

Qualifiers:

.

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005806

Date Reported: 5/28/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sample II	D: SL	.8-2'	
Project:	Green Frog Fed		(	Collection Dat	<b>e:</b> 5/1	7/2020 2:32:00 PM	
Lab ID:	2005806-002	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 5/1	19/2020 9:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	MRA
Chloride		2700	150	mg/Kg	50	5/27/2020 1:05:39 PM	52667
EPA MET	THOD 8015D MOD: GASOLINE	RANGE				Analyst	DJF
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	5/21/2020 7:44:35 PM	52577
Surr: I	BFB	98.4	70-130	%Rec	1	5/21/2020 7:44:35 PM	52577
EPA MET	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: CLP
Diesel R	ange Organics (DRO)	65	8.5	mg/Kg	1	5/21/2020 3:20:52 PM	52605
Motor Oi	il Range Organics (MRO)	ND	42	mg/Kg	1	5/21/2020 3:20:52 PM	52605
Surr: I	DNOP	118	55.1-146	%Rec	1	5/21/2020 3:20:52 PM	52605
EPA MET	THOD 8260B: VOLATILES SHO	RT LIST				Analyst	DJF
Benzene	)	ND	0.024	mg/Kg	1	5/21/2020 7:44:35 PM	52577
Toluene		ND	0.048	mg/Kg	1	5/21/2020 7:44:35 PM	52577
Ethylben	izene	ND	0.048	mg/Kg	1	5/21/2020 7:44:35 PM	52577
Xylenes,	Total	ND	0.096	mg/Kg	1	5/21/2020 7:44:35 PM	52577
Surr: 7	1,2-Dichloroethane-d4	92.9	70-130	%Rec	1	5/21/2020 7:44:35 PM	52577
Surr: 4	4-Bromofluorobenzene	82.4	70-130	%Rec	1	5/21/2020 7:44:35 PM	52577
Surr: I	Dibromofluoromethane	95.4	70-130	%Rec	1	5/21/2020 7:44:35 PM	52577
Surr: <sup>-</sup>	Toluene-d8	99.9	70-130	%Rec	1	5/21/2020 7:44:35 PM	52577

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005806

Date Reported: 5/28/2020

CLIENT:	: Souder, Miller & Associates		Cl	ient Sample II	D: SI	_8-4'	
Project:	Green Frog Fed		(	Collection Dat	e: 5/	17/2020 2:35:00 PM	
Lab ID:	2005806-003	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 5/2	19/2020 9:30:00 AM	
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	MRA
Chloride		170	60	mg/Kg	20	5/23/2020 9:13:26 PM	52667
EPA ME	THOD 8015D MOD: GASOLINE	RANGE				Analyst	DJF
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	5/21/2020 8:14:20 PM	52577
Surr:	BFB	101	70-130	%Rec	1	5/21/2020 8:14:20 PM	52577
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	CLP
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	5/21/2020 4:33:23 PM	52605
Motor O	il Range Organics (MRO)	ND	50	mg/Kg	1	5/21/2020 4:33:23 PM	52605
Surr:	DNOP	114	55.1-146	%Rec	1	5/21/2020 4:33:23 PM	52605
EPA ME	THOD 8260B: VOLATILES SHO	RT LIST				Analyst	DJF
Benzene	e	0.036	0.025	mg/Kg	1	5/21/2020 8:14:20 PM	52577
Toluene		ND	0.050	mg/Kg	1	5/21/2020 8:14:20 PM	52577
Ethylber	nzene	ND	0.050	mg/Kg	1	5/21/2020 8:14:20 PM	52577
Xylenes	, Total	ND	0.10	mg/Kg	1	5/21/2020 8:14:20 PM	52577
Surr:	1,2-Dichloroethane-d4	96.0	70-130	%Rec	1	5/21/2020 8:14:20 PM	52577
Surr:	4-Bromofluorobenzene	93.3	70-130	%Rec	1	5/21/2020 8:14:20 PM	52577
Surr:	Dibromofluoromethane	98.5	70-130	%Rec	1	5/21/2020 8:14:20 PM	52577
Surr:	Toluene-d8	100	70-130	%Rec	1	5/21/2020 8:14:20 PM	52577

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Client: Project:	Souder Green	Souder, Miller & Associates Green Frog Fed											
Sample ID:	MB-52667	SampType: I	mblk	TestCode: EPA Method 300.0: Anions									
Client ID:	PBS	Batch ID:	52667	R	RunNo: <b>69127</b>								
Prep Date:	5/23/2020	Analysis Date:	5/23/2020	S	eqNo: 2395515	Units: mg/Kg	9						
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Chloride		ND 1.	.5										
Sample ID:	LCS-52667	SampType: I	cs	Test	tCode: EPA Method	300.0: Anions	;						
Client ID:	LCSS	Batch ID:	52667	R	unNo: <b>69127</b>								
Prep Date:	5/23/2020	Analysis Date:	5/23/2020	S	eqNo: 2395516	Units: mg/Kg	9						
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Chloride		14 1.	.5 15.00	0	93.9 90	110							

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

#### WO#: 2005806 28-May-20

Client: Project:	Souder, N Green Fr	Miller & A og Fed	.ssociate	es							
Sample ID:	MB-52605	SampT	Гуре: МІ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batc	h ID: 52	605	F	RunNo: 6	9068				
Prep Date:	5/20/2020	Analysis E	Date: 5/	/21/2020	S	SeqNo: 2	392533	Units: <b>mg/ł</b>	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Drganics (DRO)	ND	10								
Motor Oil Range	e Organics (MRO)	ND	50								
Surr: DNOP		9.6		10.00		95.9	55.1	146			
Sample ID:	LCS-52605	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batc	h ID: 52	605	F	RunNo: <b>6</b>	9068				
Prep Date:	5/20/2020	Analysis E	Date: 5/	/21/2020	5	SeqNo: 2	392535	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	43	10	50.00	0	87.0	70	130			
Surr: DNOP		4.4		5.000		87.7	55.1	146			
Sample ID:	2005806-002AMS	SampT	Гуре: М	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	SL8-2'	Batc	h ID: 52	605	F	RunNo: 6	9068				
Prep Date:	5/20/2020	Analysis E	Date: 5/	/21/2020	S	SeqNo: 2	392538	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	130	9.4	47.13	64.67	143	47.4	136			S
Surr: DNOP		5.2		4.713		110	55.1	146			
Sample ID:	2005806-002AMS	D Samp1	Гуре: М	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	SL8-2'	Batc	h ID: 52	605	F	RunNo: 6	9068				
Prep Date:	5/20/2020	Analysis E	Date: 5/	/21/2020	S	SeqNo: 2	392539	Units: <b>mg/ł</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	140	9.1	45.29	64.67	164	47.4	136	4.90	43.4	S
Surr: DNOP		5.2		4.529		115	55.1	146	0	0	

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: **2005806** 28-May-20

Client: Souder	r, Miller & A	ssociate	es							
Project: Green	Frog Fed									
Sample ID: mb-52577	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: PBS	Batc	h ID: 52	577	F	RunNo: 6	9081				
Prep Date: 5/19/2020	Analysis [	Date: <b>5/</b>	21/2020	S	SeqNo: 2	392357	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.5	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.2	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			
Sample ID: LCS-52577	Samp	Гуре: <b>LC</b>	S4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: BatchQC	Batc	h ID: 52	577	F	RunNo: 6	9081				
Prep Date: 5/19/2020	Analysis [	Date: 5/	21/2020	5	SeqNo: 2	392358	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.9	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.2	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		93.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.4	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 7

WO#: 2005806

Client: Project:	Souder, N Green Fr	Miller & A og Fed	ssociat	es							
Sample ID: mb	-52577	SampT	ype: M	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	S	Batch	n ID: 52	577	F	RunNo: <b>6</b> 9	9081				
Prep Date: 5/*	19/2020	Analysis D	Date: 5	/21/2020	S	SeqNo: 2	392372	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org Surr: BFB	ganics (GRO)	ND 520	5.0	500.0		103	70	130			
Sample ID: LCS	S-52577	SampT	ype: LC	cs	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCS	SS	Batch	n ID: 52	2577	F	RunNo: 69	9081				
Prep Date: 5/	19/2020	Analysis D	Date: 5	/21/2020	5	SeqNo: 2	392377	Units: <b>mg/K</b>	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org Surr: BFB	ganics (GRO)	24 520	5.0	25.00 500.0	0	95.7 104	70 70	130 130			

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 7

WO#: 2005806

28-May-20

Pag	e 8	6 0	f 1	07
		~ ~.	, -	

ANALY	(9/2020 10:41:30 A) CONMENTAL YSIS RATORY	Hall Environmen TEL: 505-345-3 Website: www	ttal Analysis Labor 4901 Hawkis Albuquerque, NM 8 975 FAX: 505-345 hallenvironmenta	ratory ns NE 87109 <b>San</b> -4107 il.com	Pa
Client Name:	SMA-CARLSBAD	Work Order Numb	ber: 2005806		RcptNo: 1
Received By:	Isaiah Ortiz	5/19/2020 9:30:00 /	٨M	I_O	4
Completed By:	lsạiah Ortiz	5/19/2020 10:27:59	AM	I_O	K
Reviewed By:	LB	5/19/20			
Chain of Cus	<u>tody</u>				
1. Is Chain of C	ustody complete?		Yes 🗹	No 🗌	Not Present
2. How was the	sample delivered?		Courier		
Log In					_
3. Was an attem	pt made to cool the san	nples?	Yes 🗹	No	NA
4. Were all sam	ples received at a tempe	rature of >0° C to 6.0°C	Yes 🔽	No 🗌	
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌	
6. Sufficient sam	ple volume for indicated	test(s)?	Yes 🔽	No 🗌	
7. Are samples (	except VOA and ONG)	properly preserved?	Yes 🗹	No 🗌	
8. Was preserva	tive added to bottles?		Yes 🗌	No 🗹	NA 🗌
9. Received at le	ast 1 vial with headspac	e <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹
10. Were any sar	nple containers received	broken?	Yes	No 🗹	# of preserved
11. Does paperwo	ork match bottle labels?		Yes 🗹	No 🗌	for pH:
12 Are matrices of	correctly identified on Ch	ain of Custody?	Ves V	No 🗌	Adjusted?
13 Is it clear what	analyses were request	ed?	Yes 🗸		/
14. Were all holdi (If no, notify c	ng times able to be met? ustomer for authorization	) 1.)	Yes 🗹	No 🗌	Checked by: DAD 5/19/2
Special Handl	ing (if applicable)				
15. Was client no	tified of all discrepancies	s with this order?	Yes	No 🗌	NA 🗹
Person	Notified:	Date:	Г		
By Who	om:	Via:	eMail 🗍 🖡	Phone 🦳 Fax	In Person
Regard	ing:				
Client In	nstructions:				
16. Additional re	marks:				
17. Cooler Infor	mation				
Cooler No	Temp °C Conditio	n Seal Intact Seal No	Seal Date	Signed By	
1	4.2 Good	Not Present			

	):41:30 AM		$\left  \right $	Page 87 of 10
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com Hawkins NE - Albuquerque, NM 87109 505-345-3975 Fax 505-345-4107 Analysis Request	EDB (Method 504.1) EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals (0) F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>2</sub> 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)			H Bill : Marca thron 0:1
4901	TPH:8015D(GRO / DRO / MRO)	×	X	arks: LV~e(
	BTEX / MTBE / TMB's (8021)	×	$\sim$	
5 day turn	Dell 0.160/4125(°C) 2005806	100-	- 003	Date Time S/S/22 boo Date Time Date O330 ss. This serves as notice of this
d Time: d Time: ne: Froq	ager: LAA LAA E Yes :: ( p(including cF): Lu3 Preservative Type			Mia:
Turn-Aroun Standar Project Nam Project #:	Project Man ASWU Sampler: On Ice: # of Coolers Cooler Tem Container Type and #	402		Received by: Received by:
Chain-of-Custody Record ent: SMA - Carlsbad iling Address: one #:	nall or Fax#:     nall or Fax#:       /QC Package:     Level 4 (Full Validation)       Standard     Level 4 (Full Validation)       creditation:     Az Compliance       nELAC     Other       EDD (Type)     EDD       te     Time       Matrix     Sample Name	1 1432 1 5L8-31	1435 1 57 8-41	e: Time: Relinquished by: e: Time: Relinquished by: 20 / 900 If necessary, samples submitted to Hall Environmental may be sub



May 26, 2020

Ashley Maxwell Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Green Frog Fed

OrderNo.: 2005805

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/19/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	nvironmental Analysis Laboratory, Inc. : Souder, Miller & Associates Clier Green Frog Fed Col 2005805-001 Matrix: SOIL Re s Result RL Q				Analytical Report Lab Order 2005805 Date Reported: 5/26/20	020
CLIENT: Souder, Miller & AssociatesProject:Green Frog FedLab ID:2005805-001	Matrix: SOIL	Clien Coll Re	t Sample II lection Dat ceived Dat	<b>D:</b> BC e: 5/1	51-1' 7/2020 3:00:00 PM 9/2020 9:30:00 AM	
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	60	mg/Kg	20	Analys 5/23/2020 7:46:34 PM	st: <b>MRA</b> 52667

Qualifiers:

.

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

Hall Environmental Analysis	nvironmental Analysis Laboratory, Inc. : Souder, Miller & Associates Client Green Frog Fed Colle 2005805-002 Matrix: SOIL Rec ; Result RL Qu				Analytical Report Lab Order 2005805 Date Reported: 5/26/20	020
CLIENT: Souder, Miller & Associates Project: Green Frog Fed Lab ID: 2005805-002	Matrix: SOIL	Clien Coll Re	t Sample I lection Dat ceived Dat	D: BC e: 5/1 e: 5/1	31-2' 7/2020 3:04:00 PM 19/2020 9:30:00 AM	
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	60	mg/Kg	20	Analys 5/23/2020 8:23:47 PM	st: MRA 52667

Qualifiers:

.

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 4

Hall Environmental Analysis	s Laboratory. Inc	•			Analytical Report Lab Order 2005805	020
CLIENT: Souder, Miller & Associates Project: Green Frog Fed Lab ID: 2005805-003	Matrix: SOIL	Clien Coll Re	t Sample II lection Dat ceived Dat	D: BC e: 5/1 e: 5/1	31-4' 17/2020 3:09:00 PM 19/2020 9:30:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	1900	60	mg/Kg	20	Analys 5/23/2020 8:36:12 PM	st: MRA 52667

Qualifiers:

.

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 4

Client: Project:	Souc Gree	der, Miller & As en Frog Fed	ssociate	es							
Sample ID:	MB-52667	SampT	ype: <b>ml</b>	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 52	667	F	RunNo: 69	9127				
Prep Date:	5/23/2020	Analysis D	ate: 5/	23/2020	S	SeqNo: 2	395515	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-52667	SampT	ype: Ics	6	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 52	667	F	RunNo: 69	9127				
Prep Date:	5/23/2020	Analysis D	ate: 5/	23/2020	5	SeqNo: 23	395516	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.9	90	110			

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 4

#### WO#: 2005805 26-May-20

HALL ENVIE ANAL LABO	RONMENTAL YSIS RATORY	Hall Environmer TEL: 505-345-3 Website: www	ntal Analysis 4901 I Albuquerque 975 FAX: 50 v.hallenviron	Laboratory Hawkins NE NM 87109 5-345-4107 mental.com	San	nple Log-In Check L	.is
Client Name:	SMA-CARLSBAD	Work Order Num	ber: 20058	05		RcptNo: 1	
Received By:	Isaiah Ortiz	5/19/2020 9:30:00 /	AM		I_O	4	
Completed By:	Isaiah Ortiz	5/19/2020 10:22:34	AM		ILO	K	
Reviewed By:	LB	5/19/20					
Chain of Cus	stody						
1. Is Chain of C	sustody complete?		Yes		No 🗌	Not Present	
2. How was the	sample delivered?		<u>Courie</u>	ſ			
Log In			r				
3. Was an atter	npt made to cool the sar	nples?	Yes 🛽		No 🗀		
4. Were all sam	ples received at a tempe	erature of >0° C to 6.0°C	Yes		No 🗌		
5. Sample(s) in	proper container(s)?		Yes		No 🗌		
6. Sufficient san	nple volume for indicated	test(s)?	Yes 🔽		No 🗌		
7. Are samples	(except VOA and ONG)	properly preserved?	Yes 🔽	· I	No 🗌		
8. Was preserva	ative added to bottles?		Yes	]	No 🗹	NA 🗌	
9. Received at l	east 1 vial with headspac	ce <1/4" for AQ VOA?	Yes 🗌	]	No 🗌	NA 🔽	
10. Were any sa	mple containers received	d broken?	Yes 🗌		No 🗹	# of preserved	
11. Does paperw (Note discrep	ork match bottle labels? ancies on chain of custo	dy)	Yes 🔽		No 🗌	for pH: (<2 or ≥12 unless	note
12. Are matrices	correctly identified on Ch	nain of Custody?	Yes 🔽	· I	No 🗌	Adjusted?	
13. Is it clear what	at analyses were request	ed?	Yes 🔽		No 🗌		
14. Were all hold (If no, notify c	ing times able to be met customer for authorizatio	? n.)	Yes 🔽		No 🗌	Checked by: DAD 3/	191
Special Hand	ling (if applicable)						
15. Was client n	otified of all discrepancie	es with this order?	Yes [		No 🗌	NA 🗹	
Persor	Notified:	Date	:		and to call here of a		
By Wh	om:	Via:	eMail	Phone	Fax	In Person	
Regard	ding:						
Client	Instructions:			nd men fallen for all a fallen and an and a fallen and a fa			
16. Additional re	emarks:						
17. <u>Cooler Info</u>	rmation						
Cooler N	o Temp °C Conditio	on Seal Intact Seal No	Seal Date	e Sigr	ned By		

ENVIRONMENTAL SIS LABORATORY nvironmental.com Nbuquerque, NM 87109 Fax 505-345-4107	(tneadA	i-VOA) (/ //inesent/	8260 (VOP 8270 (Sem Total Colife							1 Marahnen 0,1	to a second local second s
<ul> <li>HALL E</li> <li>HALL E</li> <li>ANALY</li> <li>ANALY</li> <li>ANALY</li> <li>ANALY</li> <li>ANALY</li> <li>ANALY</li> <li>ANAL</li> <li>ANA</li> </ul>	04 <sup>,</sup> 204 SMI CB's (8021)	0(GRO / DRO cides/8082 Pd 310 or 8270S etals etals	Children Chi	× 	× `	× 				emarks: Divect Ril	) ) 
aush S day turn of Fed			ative HEAL No.	-00-	-002	Ś				S S 20 1 2000	/ Date Time SI9/20 09/30
Turn-Around Time:	Project Manager:	1) AKWUU F10 Sampler: LAA On Ice: I Yes # of Coolers: (	Cooler Lemp(including CF); Container Preserve Type and # Type	20%					000	Received by: Via:	Received by Via:
Chain-of-Custody Record	mail or Fax#: A/QC Package:	□ Standard	ate Time Matrix Sample Name	17/20 Soil BG1-11	1 1504 1 341-21	1 1504 1 13691-4				ate: Time: Relinquished by:	ate: Time: Relinquis/fed/by:



June 08, 2020

Ashley Maxwell Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Green Frog Cafe Fed 001

OrderNo.: 2005D02

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 6 sample(s) on 5/30/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

**Analytical Report** Lab Order 2005D02

Date Reported: 6/8/2020

•	0 /				1						
CLIENT:Souder, Miller & AssociatesProject:Green Frog Cafe Fed 001Lab ID:2005D02-001	Matrix: SOIL	Client Sample ID: SW1           Collection Date: 5/29/2020 10:00:00 A           Matrix: SOIL         Received Date: 5/30/2020 8:22:00 A									
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: JMT					
Chloride	ND	60	mg/Kg	20	6/5/2020 2:15:35 AM	52879					
EPA METHOD 8015M/D: DIESEL RANG	<b>BE ORGANICS</b>				Analyst	BRM					
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/31/2020 5:45:16 PM	52791					
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/31/2020 5:45:16 PM	52791					
Surr: DNOP	69.6	55.1-146	%Rec	1	5/31/2020 5:45:16 PM	52791					
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/1/2020 3:02:37 PM	52788					
Surr: BFB	79.3	66.6-105	%Rec	1	6/1/2020 3:02:37 PM	52788					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.024	mg/Kg	1	6/1/2020 3:02:37 PM	52788					
Toluene	ND	0.047	mg/Kg	1	6/1/2020 3:02:37 PM	52788					
Ethylbenzene	ND	0.047	mg/Kg	1	6/1/2020 3:02:37 PM	52788					
Xylenes, Total	ND	0.095	mg/Kg	1	6/1/2020 3:02:37 PM	52788					
Surr: 4-Bromofluorobenzene	90.8	80-120	%Rec	1	6/1/2020 3:02:37 PM	52788					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 10

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005D02

Date Reported: 6/8/2020

CLIENT: Project:	Souder, Miller & Associates Green Frog Cafe Fed 001		CI (	ient Sample II Collection Dat	<b>D:</b> SV e: 5/2	V2 29/2020 10:15:00 AM	
Lab ID:	2005D02-002	Matrix: SOIL		Received Dat	<b>e:</b> 5/3	30/2020 8:22:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	JMT
Chloride		ND	60	mg/Kg	20	6/5/2020 7:17:43 PM	52903
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	5/31/2020 6:09:49 PM	52791
Motor Oi	il Range Organics (MRO)	ND	49	mg/Kg	1	5/31/2020 6:09:49 PM	52791
Surr: I	DNOP	55.6	55.1-146	%Rec	1	5/31/2020 6:09:49 PM	52791
EPA MET	THOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline	e Range Organics (GRO)	ND	4.7	mg/Kg	1	6/1/2020 3:26:09 PM	52788
Surr: I	BFB	83.3	66.6-105	%Rec	1	6/1/2020 3:26:09 PM	52788
EPA MET	THOD 8021B: VOLATILES					Analyst	NSB
Benzene	9	ND	0.023	mg/Kg	1	6/1/2020 3:26:09 PM	52788
Toluene		ND	0.047	mg/Kg	1	6/1/2020 3:26:09 PM	52788
Ethylben	izene	ND	0.047	mg/Kg	1	6/1/2020 3:26:09 PM	52788
Xylenes,	Total	ND	0.094	mg/Kg	1	6/1/2020 3:26:09 PM	52788
Surr: 4	4-Bromofluorobenzene	95.5	80-120	%Rec	1	6/1/2020 3:26:09 PM	52788

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 10

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 2005D02

## Date Reported: 6/8/2020

CLIENT:	Souder, Miller & Associates		Cl	ient Sa	ample II	D:SV	V3	
Project:	Green Frog Cafe Fed 001	Matrice COII		Desei	ion Dat	e: 5/2	29/2020 10:25:00 AM	
Lab ID:	2005D02-003	Matrix: SOIL		Recei	ved Dat	e: 5/3	80/2020 8:22:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		ND	60		mg/Kg	20	6/5/2020 8:19:47 PM	52903
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.5		mg/Kg	1	5/31/2020 6:34:02 PM	52791
Motor Oi	I Range Organics (MRO)	ND	47		mg/Kg	1	5/31/2020 6:34:02 PM	52791
Surr: I	DNOP	52.5	55.1-146	S	%Rec	1	5/31/2020 6:34:02 PM	52791
EPA MET	THOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline	e Range Organics (GRO)	ND	4.6		mg/Kg	1	6/1/2020 3:49:39 PM	52788
Surr: I	BFB	81.2	66.6-105		%Rec	1	6/1/2020 3:49:39 PM	52788
EPA MET	THOD 8021B: VOLATILES						Analyst	NSB
Benzene		ND	0.023		mg/Kg	1	6/1/2020 3:49:39 PM	52788
Toluene		ND	0.046		mg/Kg	1	6/1/2020 3:49:39 PM	52788
Ethylben	izene	ND	0.046		mg/Kg	1	6/1/2020 3:49:39 PM	52788
Xylenes,	Total	ND	0.093		mg/Kg	1	6/1/2020 3:49:39 PM	52788
Surr: 4	4-Bromofluorobenzene	93.2	80-120		%Rec	1	6/1/2020 3:49:39 PM	52788

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 10

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005D02

Date Reported: 6/8/2020

CLIENT: Project:	Souder, Miller & Associates Green Frog Cafe Fed 001		Cl	ient Sample II Collection Dat	<b>D:</b> SV e: 5/2	V4 29/2020 10:30:00 AM	
Lab ID:	2005D02-004	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 5/3	30/2020 8:22:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride		ND	60	mg/Kg	20	6/5/2020 8:32:12 PM	52903
ΕΡΑ ΜΕΊ	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	5/31/2020 6:58:31 PM	52791
Motor Oi	il Range Organics (MRO)	ND	48	mg/Kg	1	5/31/2020 6:58:31 PM	52791
Surr: I	DNOP	60.0	55.1-146	%Rec	1	5/31/2020 6:58:31 PM	52791
EPA MET	THOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	6/1/2020 4:13:13 PM	52788
Surr: I	BFB	80.4	66.6-105	%Rec	1	6/1/2020 4:13:13 PM	52788
ΕΡΑ ΜΕΊ	THOD 8021B: VOLATILES					Analyst	: NSB
Benzene	9	ND	0.024	mg/Kg	1	6/1/2020 4:13:13 PM	52788
Toluene		ND	0.048	mg/Kg	1	6/1/2020 4:13:13 PM	52788
Ethylben	izene	ND	0.048	mg/Kg	1	6/1/2020 4:13:13 PM	52788
Xylenes,	Total	ND	0.095	mg/Kg	1	6/1/2020 4:13:13 PM	52788
Surr: 4	4-Bromofluorobenzene	93.4	80-120	%Rec	1	6/1/2020 4:13:13 PM	52788

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 4 of 10

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005D02

Date Reported: 6/8/2020

CLIENT: Project:	Souder, Miller & Associates Green Frog Cafe Fed 001		Cl	ient Sa Collect	ample II tion Dat	<b>D:</b> SV e: 5/2	V5 29/2020 10:35:00 AM	
Lab ID:	2005D02-005	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 5/3	80/2020 8:22:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	JMT
Chloride		ND	60		mg/Kg	20	6/5/2020 8:44:36 PM	52903
ΕΡΑ ΜΕΤ	THOD 8015M/D: DIESEL RANGE	E ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.3		mg/Kg	1	5/31/2020 7:22:56 PM	52791
Motor Oi	I Range Organics (MRO)	ND	46		mg/Kg	1	5/31/2020 7:22:56 PM	52791
Surr: [	DNOP	50.9	55.1-146	S	%Rec	1	5/31/2020 7:22:56 PM	52791
EPA MET	THOD 8015D: GASOLINE RANG	Ε					Analyst	NSB
Gasoline	e Range Organics (GRO)	ND	4.8		mg/Kg	1	6/1/2020 5:47:26 PM	52788
Surr: E	BFB	82.5	66.6-105		%Rec	1	6/1/2020 5:47:26 PM	52788
EPA MET	THOD 8021B: VOLATILES						Analyst	NSB
Benzene	9	ND	0.024		mg/Kg	1	6/1/2020 5:47:26 PM	52788
Toluene		ND	0.048		mg/Kg	1	6/1/2020 5:47:26 PM	52788
Ethylben	izene	ND	0.048		mg/Kg	1	6/1/2020 5:47:26 PM	52788
Xylenes,	Total	ND	0.095		mg/Kg	1	6/1/2020 5:47:26 PM	52788
Surr: 4	4-Bromofluorobenzene	94.6	80-120		%Rec	1	6/1/2020 5:47:26 PM	52788

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 10

Surr: 4-Bromofluorobenzene

Analytical Report

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005D02

6/1/2020 6:10:54 PM

52788

Date Reported: 6/8/2020

<b>CLIENT:</b>	Souder, Miller & Associates		Cl	ient Sa	ample II	D: SV	V6	
Project:	Green Frog Cafe Fed 001		(	Collect	tion Dat	<b>e:</b> 5/2	29/2020 10:45:00 AM	
Lab ID:	2005D02-006	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 5/3	30/2020 8:22:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	: JMT
Chloride		ND	60		mg/Kg	20	6/5/2020 8:57:01 PM	52903
EPA MET	THOD 8015M/D: DIESEL RANGI	E ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.6		mg/Kg	1	5/31/2020 7:47:22 PM	52791
Motor Oi	I Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2020 7:47:22 PM	52791
Surr: [	DNOP	45.2	55.1-146	S	%Rec	1	5/31/2020 7:47:22 PM	52791
EPA MET	THOD 8015D: GASOLINE RANG	E					Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.7		mg/Kg	1	6/1/2020 6:10:54 PM	52788
Surr: E	BFB	82.2	66.6-105		%Rec	1	6/1/2020 6:10:54 PM	52788
EPA MET	THOD 8021B: VOLATILES						Analyst	: NSB
Benzene	9	ND	0.023		mg/Kg	1	6/1/2020 6:10:54 PM	52788
Toluene		ND	0.047		mg/Kg	1	6/1/2020 6:10:54 PM	52788
Ethylben	izene	ND	0.047		mg/Kg	1	6/1/2020 6:10:54 PM	52788
Xylenes,	Total	ND	0.094		mg/Kg	1	6/1/2020 6:10:54 PM	52788

95.3

80-120

%Rec

1

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 10

Client: Project:	So Gr	uder, Miller & Asso een Frog Cafe Fed (	ciate 001	es							
Sample ID:	MB-52879	SampType	e: mb	olk	Tes	tCode: E	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch ID	: 528	879	F	RunNo: 6	9412				
Prep Date:	6/4/2020	Analysis Date	: <b>6/</b>	4/2020	S	SeqNo: 2	407961	Units: mg/K	g		
Analyte Chloride		Result F ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-52879	SampType	e: Ics	5	Tes	tCode: E	PA Method	300.0: Anion:	s		
Client ID:	LCSS	Batch ID	: 528	879	F	RunNo: 6	9412				
Prep Date:	6/4/2020	Analysis Date	: <b>6/</b>	4/2020	S	SeqNo: 2	407962	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.5	90	110			
Sample ID:	MB-52903	SampType	e: mb	olk	Tes	tCode: E	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch ID	: 529	903	F	RunNo: 6	9444				
Prep Date:	6/5/2020	Analysis Date	: <b>6/</b>	5/2020	5	SeqNo: 2	409023	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-52903	SampType	e: Ics	;	Tes	tCode: E	PA Method	300.0: Anion:	s		
Client ID:	LCSS	Batch ID	): <b>52</b> 9	903	F	RunNo: 6	9444				
Prep Date:	6/5/2020	Analysis Date	: <b>6/</b>	5/2020	S	SeqNo: 2	409024	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.8	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 10

WO#: 2005D02

08-Jun-20

Client: So Project: Gr	uder, Miller & A een Frog Cafe F	Associate ed 001	es								
Sample ID: LCS-52791	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics		Π
Client ID: LCSS	Bato	ch ID: 52	791	F	RunNo: 6	9277					
Prep Date: 5/31/2020	Analysis	31/2020	S	SeqNo: 2	401817	Units: <b>mg/k</b>	٢g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO	50	10	50.00	0	100	70	130				
Surr: DNOP	3.6		5.000		72.3	55.1	146				
Sample ID: MB-52791	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID:       LCSS       Batch ID:       52791       RunNo:       69277         Prep Date:       5/31/2020       Analysis Date:       5/31/2020       SeqNo:       2401817       Units:       mg/Kg         Analyte       Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD       RPDLimit       Qual         Diesel Range Organics (DRO)       50       10       50.00       0       100       70       130         Surr: DNOP       3.6       5.000       72.3       55.1       146       50.00       146         Sample ID:       MB-52791       SampType:       MBLK       TestCode:       EPA Method 8015M/D: Diesel Range Organics         Client ID:       PBS       Batch ID:       52791       RunNo:       69277         Prep Date:       5/31/2020       Analysis Date:       5/31/2020       SeqNo:       2401818       Units:       mg/Kg         Analyte       Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD       RPDLimit       Qual											
Prep Date: 5/31/2020	Analysis	Date: 5/	31/2020	S	SeqNo: 2	401818	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO	) ND	10									
Motor Oil Range Organics (MI	RO) ND	50									
Surr: DNOP	8.5		10.00		85.0	55.1	146				

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 10

WO#: 2005D02 08-Jun-20

Client: Souder, Project: Green F	, Miller & A Frog Cafe Fe	ssociate ed 001	es							
Sample ID: mb-52788	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: 52	788	F	RunNo: 69	9307				
Prep Date:       5/31/2020       Analysis Date:       6/1/2020       SeqNo:       2403247       Units:       mg/Kg         Analyte       Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD       RPDLimit       Qual         ascience Organics (GPQ)       ND       5.0										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		82.3	66.6	105			
Sample ID: Ics-52788	SampT	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 52	788	F	RunNo: 69	9307				
Prep Date: 5/31/2020	Analysis E	Date: 6/	1/2020	S	SeqNo: 24	403248	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.6	80	120			
Surr: BFB	890		1000		89.3	66.6	105			

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 10

# WO#: 2005D02

Client: Souder Project: Green	r, Miller & A Frog Cafe Fe	ssociate ed 001	es							
Sample ID: mb-52788	Samp <sup>-</sup>	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 52	788	F	RunNo: 6	9307				
Prep Date: 5/31/2020	Analysis [	Date: 6/	1/2020	S	SeqNo: 2	403285	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	80	120			
Sample ID: LCS-52788	Samp <sup>-</sup>	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 52	788	F	RunNo: 6	9307				
Prep Date: 5/31/2020	Analysis [	Date: 6/	1/2020	5	SeqNo: 2	403286	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.98	0.050	1.000	0	98.3	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.2	80	120			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 10

WO#: 2005D02

08-Jun-20

<b>Received by OCD: 6/19/2020 10:41:30 AM</b>	
HALL	Hall Environmental Analysis La

	HALL ENVIRO ANALYS LABORA	ONMENTA SIS Atory	AL.	Hal. TEL V	l Environment A 2: 505-345-39 Vebsite: www.	tal Analysi. 4901 Ibuquerqua 75 FAX: 50 hallenviro.	s Laboratory Hawkins NE 2, NM 87109 05-345-4107 nmental.com	San	nple Log-In (	Check List
CI	ient Name: S	SMA-CARL	SBAD	Work	Order Numb	er: 2005E	002		RcptNo	: 1
Re Co Re	ceived By: mpleted By: viewed By:	Isaiah Orti Isaiah Orti M	z	5/30/202 5/30/202 5   3 0	20 8:22:00 A 20 8:40:19 A ころ	M		I_C I_C	5	
<u>Ch</u> 1. 2.	<b>ain of Custo</b> Is Chain of Cus How was the sa	ody tody compl ample delive	ete? ered?			Yes [ <u>Courie</u>	<b>√</b>	No 🗌	Not Present 🗌	
<u>Lc</u> 3. v	o <b>g In</b> Was an attempt	t made to c	ool the sampl	es?		Yes		No 🗌		
4. ۱	Nere all sample	es received	at a temperat	ure of >0° C t	o 6.0°C	Yes		No 🗌		
5. :	Sample(s) in pro	oper contai	ner(s)?			Yes		No 🗌		
6. 5	Sufficient sampl	e volume fo	or indicated te	st(s)?		Yes		No 🗌		
7. A	Are samples (ex	cept VOA a	and ONG) pro	perly preserve	d?	Yes		No 🗌		
8. v	Vas preservativ	e added to	bottles?			Yes		No 🗹	NA 🗌	
9. f	Received at leas	st 1 vial with	headspace	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🗹	-
10.\	Were any samp	le containe	rs received b	oken?		Yes [		No 🗹	# of preserved	5 30 3
11.c (	Does paperwork Note discrepane	a match bot cies on cha	tle labels? in of custody)			Yes 🛛		No 🗌	for pH:	r >12 unless noted)
12. <i>F</i>	Are matrices cor	rrectly ident	ified on Chair	n of Custody?		Yes		No 🗌	Adjusted?	
13. l	s it clear what a	inalyses we	re requested	?		Yes 🛽		No 🗌	Checked by	
14.V (	Vere all holding If no, notify cust	times able tomer for a	to be met? uthorization.)			Yes 🛽		No	Спескеа by:	
Spe	cial Handlin	ig (if app	licable)							
15.	Was client notif	ied of all di	screpancies v	vith this order?		Yes [		No 🗌	NA 🗹	
	Person No By Whom Regarding Client Inst	otified: 1: g: tructions:			Date: Via:	eMail	Phone	e 🗌 Fax	In Person	
16.	Additional rema	arks:								
17.	Cooler Inform Cooler No 1	<u>ation</u> Temp ⁰C 4.1	Condition Good	Seal Intact Not Present	Seal No	Seal Dat	e Sigr	ned By		

Receive	d by	<i><b>OCI</b></i>	D: 6/1	19/20	)20	0:4	1:30 AA	1															Pag	e 107	of 10
																						_	-		
ŀ		)				-													_		_	-	-		anort
		5	60			-	2											_							htical r
			 1 871	4107		-													_		_	-	-		ane of
C			e. NN	345-4	lest	(tu	iəzdA\tr	Preser	) ա	ofilo	D letoT														t on t
		nent:	erque	505-	Requ			(A	0	iməð	S) 0728	_											1		r notate
		ironr	andue	ax	/sis	3. 1			1	(AO\	/) 0928						,						1		clearly
Ū	ž	Vuell	- Alb		Analy	*0	PO₄, S	' <sup>z</sup> ON	103	3r, N	с) E' I	$) \neq$			_		)								ad lliw
-				3975	1				slet	9M 8	АЯЭЯ														nd data
5			kins	345-3			SMISC	)728 ro	01	58 Yo	, sHAq														ntracte
_			Haw	505-3				(1.40	g po	outer	EDB (V											_	4		-di-
		191	901	Tel.		(0	PCB's	2808/	səbi	oitee	9 1808	,					)		_		_		ks:		Anv
			Ч				Z08) S		39, 39			4					-)		_	_		+	emar		ceihilith
			1				.0087 91				DIEN	T					7			_	_	-	R C		-hic po
			20							0.)	.20	1 9	20	03	74	5	9						2 Z	Je	ر tire of
			40							11	DY	2-	Q	0-	Q-	Ď	8						Tin -	Щ	-28 G
- Lec			-	5						E	DCA HEV						ì						29 29	late	
$\overline{\mathcal{D}}$			17	2						0	0Z	-		?									200		120 This
S	ush		te a				ldu			4.1-	tive												1		Statute
			<sup>o</sup>				INC	(50) es		ig CF):	serva	100	_			_	4						2		2 del h
Time			LTN/			iger:	Z	1 H	,	(includir	Pres Type	3											, N	Via	, JUL
punc	Idard	Vamo	Ch J			Mana	2	1	lers:	emp	er d #	,											The state	:Yc	othera
n-Arc	Star	ject I	J.M.	ject ∌		ject l	Ch/	Ice:	Coo	oler T	itaine e an	102	_				+						eived t	eived t	tad to
Tur	Þ	Pro	E	Pro		Pro	Ø	Sar	# OI	S	Cor Typ	7											Rece	Rece	- untrac
							(uoi																9		din a
ord							lidati																non	10	I may
eco							eV IIr				me												ho		ment
Ř							4 (Fu				Na	TN	202	N3	ナマ	NJ	NG						S	) [	A Viro
dy							evel	nce			nple	Si	Ś.	S	S	S	5						) hos	19	2 Hall
sto								nplia			San												id by:	in p	nitted t
5 Cu								z Col			.×	-					)						quishe	mishe	
-jo	$\bigtriangledown$										Matr	Soi					-						Relin	Beline	2 anne
lin-	Z		ress			;#X	age:	Ë	(ed		Ð	00	512	5	30	52	45						B		()U
sho	S		J Ado		#:	or Fa.	Pack	litatic _AC	T) (T)		Tim	010	10	10	10:	101	10							Time	If nece
U	lient:		ailing		hone	nail c	A/QC Stai	ccrec	EDL		ate	29/21					+						ate: 201/20	ate:	LN.
	0		l≥	I		ē	o' 🖻	l < 🗆			Ő	20											<u>0</u> 12	D G	