Investigation of Waste Material in the Bliss Corner Neighborhood

Dartmouth, Massachusetts

Status Report No. 2

Analytical Results for Groundwater Samples Collected from Monitoring Wells Installed in the Town Roads Right-of-Ways

July 11, 2019

Department of Environmental Protection

Southeast Regional Office
20 Riverside Drive
Lakeville, Massachusetts 02347
508-946-2700

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ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED FROM MONITORING WELLS INSTALLED IN TOWN ROADS RIGHT-OF-WAYS
Bliss Corner Neighborhood
Dartmouth, Massachusetts

1.0 BACKGROUND

The Massachusetts Department of Environmental Protection (MassDEP) is tasked with ensuring the cleanup of oil and hazardous material releases and with protecting health, safety, public welfare and the environment from oil and/or hazardous material releases under the Massachusetts Oil and Hazardous Material Release Prevention and Response Act (Chapter 21E). The law is implemented through regulations known as the Massachusetts Contingency Plan (310 CMR 40.0000 et seq. – the MCP).

In the summer of 2018, MassDEP and the Town of Dartmouth Board of Health conducted an inspection of the property at 85 McCabe Street in response to receiving an odor complaint from a resident in the neighborhood. Upon inspecting the property, it was determined that waste material, including buried drums containing unknown materials, were excavated at a property that has been a single-family residence since the 1940s. Of particular concern was a black substance that was observed emanating from the drums and sidewalls of the excavation. MassDEP issued a field Notice of Responsibility (NOR) to the property developer. The developer hired a Licensed Site Professional (LSP) and started conducting response actions pursuant to the MCP.

On August 30, 2018, the LSP for the 85 McCabe Street property submitted an Immediate Response Action (IRA) Plan that proposed removal of the black substance emanating from the excavation, removal and proper disposal of soil stockpiled at the property and additional assessment to characterize the waste material. In addition, the IRA Plan contained archive newspaper articles referencing dumping activities occurred dating back to the 1930s that may have involved the Town of Dartmouth and/or City of New Bedford.

In the fall of 2018, MassDEP and the Town of Dartmouth Board of Health conducted an inspection of the neighborhood and observed waste material on three other contiguous properties being developed. These properties are located at 20 Kraseman Street, 21 Kraseman Street and 31 McCabe Street. MassDEP requested that the developer sample the soil on these properties. The sampling results indicated that the polychlorinated biphenyls (PCBs) in the soil at 20 Kraseman Street were at a concentration that could pose an Imminent Hazard. MassDEP issued a NOR to the developer and required an IRA to address the Imminent Hazard. The developer has indicated that they are not currently able to conduct the work and MassDEP has taken over some IRA-related response actions.

Limited analytical testing of the soil/waste material conducted by private parties has shown elevated concentrations (above the MCP Reportable Concentrations for

residential areas) of oil and/or hazardous materials, including metals (arsenic, barium, chromium, lead, vanadium, and zinc), polycyclic aromatic hydrocarbons (PAHs), and PCBs at the properties being developed. The presence of the oil or hazardous materials at certain concentrations requires response actions pursuant to the MCP. Given the limited nature of the analytical data, further investigation was deemed to be necessary to determine the extent of the contamination throughout the neighborhood and whether its presence poses a risk to humans, animals or vegetation exposed to the contaminated soil.

In January 2019, MassDEP issued Requests for Information (RFIs) to the City of New Bedford and the Town of Dartmouth requesting any information relative to sources and transportation of the waste material, and property ownership at the time of waste deposition. In the meantime, MassDEP developed a Scope of Work for a State-lead soil and groundwater investigation in the Bliss Corner neighborhood. The first phase of the investigation included the installation of soil borings and monitoring wells in Town-owned right-of-ways and the collection of soil and groundwater samples from these locations. The information collected from the advancement of soil borings and analysis of the soil samples was detailed in MassDEP's Status Report No. 1, dated June 12, 2019. The information collected through the installation of monitoring wells and analysis of groundwater samples is presented in this Status Report No. 2.

MassDEP will continue to work with the Dartmouth Board of Health to determine the nature, source, and extent of this waste material. Additional information will be provided as it becomes available through MassDEP's website at https://www.mass.gov/service-details/bliss-corner-neighborhood-dartmouth-ma and by contacting MassDEP. If you have any questions about the information in this document, please contact Lori Williamson at (508) 946-2803, or via email at lori.williamson@mass.gov. This information can be provided in alternative language or format at your request.

2.0 FIELD INVESTIGATION

2.1 Advancement of Soil Borings/Installation of Groundwater Monitoring Wells

Between May 6 and 8, 2019, MassDEP and its contractor, Green Environmental, initiated investigation of subsurface conditions in the Bliss Corner neighborhood by advancing eighteen (18) soil borings within Town-owned right-of-ways. Soil boring locations were selected to provide adequate spatial coverage across the "preliminary study area", and included locations on Sharp Street, Kraseman Street, Wordell Street, East Wordell Street, Holland Street, Milton Street, Fern Street, Hazel Street, Anawan Street, and Donald Street.

Using a track-mounted Geoprobe® drill rig, each soil boring was advanced to a depth of ten (10) feet below ground surface and completed as a 2-inch monitoring well. Each boring/monitoring well was numbered, ranging from B-1/MW-1 to B-19/MW-19. Soil boring B-18 could not be installed due to a conflict with the originally proposed boring

location. Therefore, B-19/MW-19 was chosen as a substitute. Soil sampling observations, analytical results and soil boring logs were presented in Status Report No. 1, dated June 12, 2019. Please refer to Status Report No. 1 for this information.

2.2 Groundwater Sampling

Between May 30 and June 4, 2019, groundwater samples were collected from 15 of the 18 monitoring wells installed in the Town-owned right-of-ways for analysis of PCBs, the 14-MCP metals, VOCs, SVOCs, and EPH. Groundwater samples could not be collected from monitoring wells MW-3, MW-6 and MW-15 due to a lack of groundwater recharge when sampling was attempted.

Approximately three weeks prior to sampling, the groundwater monitoring wells were developed to remove sediment and allow water to flow freely from the aquifer into the monitoring well. Immediately prior to sampling each well, the water level was measured, the well was purged, and a Yellow Spring Instrument (YSI) meter was used to measure water quality parameters including temperature, conductivity, pH, oxidation/reduction potential (ORP), and dissolved oxygen (DO). One groundwater sample was collected from each well location using low-flow sampling techniques, and submitted to ESS Laboratory (Cranston, RI) for analysis.

3.0 RESULTS GROUNDWATER ANALYSIS

The MCP contains standards for three groundwater categories, depending on the potential exposure:

- Category GW-1 is groundwater used as drinking water, either currently (Current Drinking Water Source Area) or in the foreseeable future (Potential Drinking Water Source Area).

  Groundwater is considered a current drinking water source area if it is within the area where the aquifer contributes water to a public water supply well (known as the Zone II), within 400 feet of a Public Surface Water Supply and within 500 feet of a private water supply well.

  Groundwater is considered potential drinking water source area if it is within a Potentially Productive Aquifer, within an area designated by a municipality as an Aquifer Protection District or Zone, or 500 feet or more from a public water supply distribution pipeline.

  The Category GW-1 Standards are intended to be protective of the potential health effects associated with the daily use of the groundwater as a water supply, including ingestion of the water, inhalation of contaminants volatilizing from the

water during showering, and dermal absorption of contaminants while in contact with the water.

- Category GW-2 applies to groundwater that is considered both shallow (15 feet below the ground surface or less) and where there is currently a building on the land above the groundwater. The Groundwater Category GW-2 Standards are intended to address the potential migration of volatile oil or hazardous material from groundwater into the indoor air through a process known as vapor intrusion.

- Category GW-3 applies to all the groundwater in the Commonwealth. The Groundwater Category GW-3 Standards are intended to provide some protection against the migration and eventual discharge of groundwater contaminants to surface water at concentrations that could pose a significant risk of harm to aquatic organisms.

3.1 Potential Groundwater Category GW-1 Impacts

There are no Zone IIs or Zone As within the Bliss Corner Study area. Although most of the residences in the Bliss Corner Neighborhood are supplied water from the Town of Dartmouth water supply, four private water supply wells are located at residences on East Wordell Street. Samples from the wells were analyzed by MassDEP in January 2019 the results indicated that there were no contaminants detected above the Drinking Water Standards.

As indicated above, the 500-foot radius around each of these wells is considered a current drinking water source area (see **Figure 1** for approximate location of the current drinking water source area), and the Groundwater Category GW-1 Standards apply to the groundwater within this zone.

The groundwater samples from the monitoring wells within, and in the vicinity of, the Groundwater Category GW-1 area around the private water supply wells on East Wordell Street (Monitoring Wells MW-1, -2, -5 and 7) did not have any contaminants above the Groundwater Category GW-1 Standards. Low concentrations of contaminants were detected in the groundwater from Monitoring Wells MW-1, -2, -5 and MW-7 at concentrations below the Groundwater Category GW-1 Standards.

Benzene was detected in the groundwater sample from MW-4 at 94.5 micrograms per liter (µg/L), above the GW-1 Standard of 5 µg/L and pentachlorophenol was detected in the groundwater from MW-11 at 3.08 µg/L, which exceeds the GW-1 Standard of 1 µg/L. Both of these monitoring wells are greater than 150 feet outside the Groundwater Category GW-1 Area.

3.2 Potential Groundwater Category GW-2 Impacts

Given that the depth to groundwater across the Bliss Corner Neighborhood ranges from approximately 1 to 8 feet below the ground surface and there are building on the land

above the groundwater, the groundwater would be considered Category GW-2. No contaminants were detected in any of the groundwater samples above the Groundwater Category GW-2 Standards. Based on his information the potential for vapor intrusion from contaminants in the groundwater does not exist.

3.3 Potential Groundwater Category GW-3 Impacts

Lead was detected in the groundwater sample from MW-5 at 10.5 µg/L, which exceeds the Groundwater Category GW-3 Standard of 10 µg/L. The groundwater Category GW-3 Standards are protective of potential ecological risk and, as such, the exceedance of lead in the groundwater at this location does not represent a human health risk.

3.4 Laboratory Error

The compound bis(2-ethylhexyl)phthalate was initially detected in the groundwater samples from four (4) monitoring wells (MW-8, MW-9, MW-14, and MW-16), however, this detection was due to laboratory error. The samples were re-analyzed by the laboratory, and the results indicated bis(2-ethylhexyl)phthalate was not detected in any of the samples during the second analysis. Bis(2-ethylhexyl)phthalate is a chemical typically added to plastics commonly used in laboratories. This compound is not something that is expected to be present in groundwater in the Bliss Corner neighborhood as it is not typically associated with the type of waste observed and it was not detected in any of the soil samples collected.

Groundwater sampling results are summarized in **Table 1**. The full set of groundwater analytical results are contained in **Appendix A**.

4.0 PROGRESS TO DATE

Based on the work conducted to date and presented in Status Reports 1 and 2 the following can be concluded:

- The right-of-way soil sampling effort yielded several key pieces of information that will assist MassDEP with this State-lead investigation. It was determined the waste material/fill layer is shallow and fairly narrow across the study area, ranging from a few inches below the ground surface to approximately 2 feet in depth.

- Four private water supply wells were identified in the study area. No contaminants were detected in the samples from these wells at concentrations above the Drinking water Standards.

- The analytical results of the waste material/fill layer samples, soil samples and groundwater samples have assisted MassDEP in developing a list of contaminants of concern.

- The right-of-way soil sampling determined that no volatile organic compounds (VOCs) were detected in the soil samples and groundwater sampling effort indicating that no volatile organic compounds were present in the groundwater above MassDEP's GW-2 Standards. This means that the volatilization of contaminants into indoor air, including through use of a basement sump pump, is not a concern.

5.0 ON-GOING AND NEXT STEPS

The soil and groundwater sampling conducted in the Town of Dartmouth roadways right-of ways was the initial step of this State-lead investigation. Additional work is either in progress or will be conducted in the very near future to better define the extent and potential risk of the waste material in the Bliss Corner Neighborhood. The following sections identify the work being conducted at this time, or soon to be conducted.

5.1 Initial Soil Sampling and Analysis on Private Residential Properties

MassDEP mailed Access Agreements to the owners of several private residential properties for soil testing. These properties were selected based on their proximity to the 85 McCabe Street and 20 Kraseman Street properties and are within the areas known to have the thickest amount of waste material/fill based on the soil borings advanced by MassDEP and its contractor. Up to five (5) soil samples may be collected from each property for analysis of metals, PCBs, and PAHs. MassDEP anticipates this sampling effort to occur in July and August 2019.

5.2 Ongoing Groundwater Monitoring on East Wordell Street

Although no contaminants were detected above MassDEP's GW-1 Standards (drinking water standards) at groundwater monitoring well MW-5 (the monitoring well installed nearest the private drinking water supply wells), MassDEP will continue to monitor the groundwater at MW-5 and the private drinking water wells in the vicinity of this location.

5.3 Additional Soil Sampling on Residential Property

MassDEP has been collecting names and addresses of private parties who have requested that soil on their properties be sampled and analyzed. At this time, there is no schedule for conducting sampling on these properties. A decision on sampling specific properties will be made as additional data is obtained from residents and the information in the responses to the RFIs provided by the City of New Bedford and the Town of Dartmouth is reviewed by MassDEP.

5.4 Identification of Potentially Responsible Parties (PRPs)

Responses to MassDEP's Requests for Information (RFI) for documents pertaining to historic dumping in the Bliss Corner neighborhood have been submitted by the Town of Dartmouth and City of New Bedford. MassDEP is in the process of reviewing the information submitted.

5.5 Public Meeting

MassDEP will hold a second public meeting in late summer 2019 to provide updates on the soil and groundwater sampling results and additional progress to date. Once a specific date is determined, a meeting announcement will be posted on MassDEP's website at: https://www.mass.gov/service-details/bliss-corner-neighborhood-dartmouth-ma

Figures

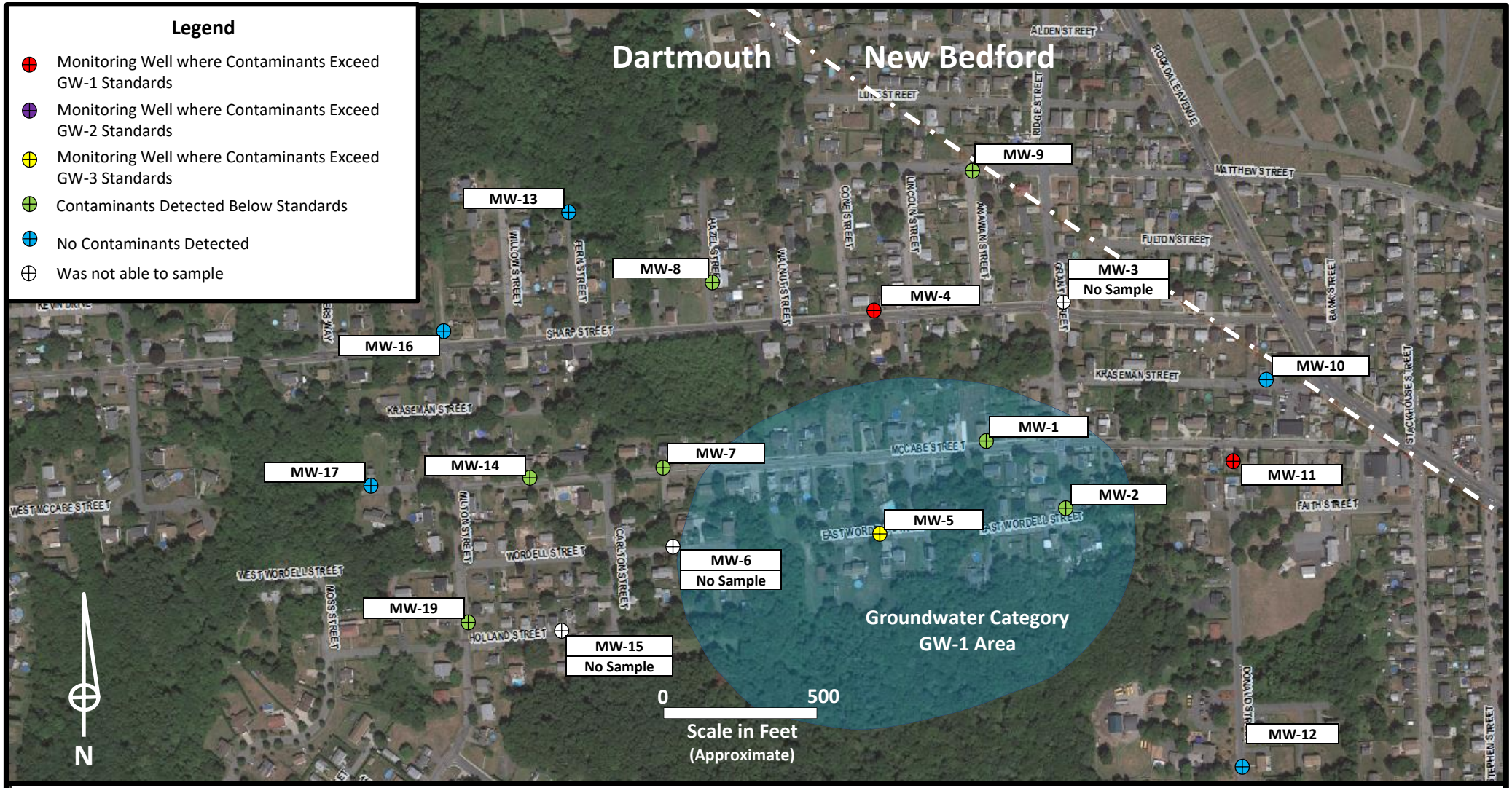

Figure 1

Groundwater Monitoring Well Locations

Investigation of Waste Material in the Bliss Corner Neighborhood

Massachusetts Department of Environmental Protection
Southeast Regional Office - 20 Riverside Drive - Lakeville, Massachusetts 02347
508-946-2700

Tables

Table 1

Contaminants Detected in Groundwater Above MassDEP Standards
Investigation of Waste Material in the Bliss Corner Neighborhood

Samples collected in June 2019

Location	Contaminant	Concentration in sample (µg/L)[1]	MassDEP Standards (µg/L)[2]		
			GW-1	GW-2	GW-3
MW-4	Benzene	**94.5**	5	1,000	10,000
MW-5	Lead	**10.5**	15	--	10
MW-11	Pentachlorophenol	**3.08**	1	--	200

Notes:

1. µg/L= micrograms per liter which is approximately parts per billion (ppb)
2. GW-1 Standards are considered safe for drinking water; GW-2 Standards are considered safe for indoor air; GW-3 Standards are considered safe for surface water bodies

Appendix A

Analytical Results

CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 1906009

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:28 pm, Jun 11, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

SAMPLE RECEIPT

The following samples were received on May 31, 2019 for the analyses specified on the enclosed Chain of Custody Record.

To achieve CAM compliance for MCP data, ESS Laboratory has reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All CAM requirements have been performed and achieved unless noted in the project narrative.

Each method has been set-up in the laboratory to reach required MCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes. The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Limit Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

Question I: Sample 1906009-02 was analyzed for a subset of the required MCP list per the client's request.

Lab Number	Sample Name	Matrix	Analysis
1906009-01	MW12	Ground Water	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
1906009-02	MW11	Ground Water	EPH8270, MADEP-EPH

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

PROJECT NARRATIVE

8260B Volatile Organic Compounds

CF90423-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Chloromethane (134% @ 70-130%)

8270D Semi-Volatile Organic Compounds

C9F0028-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (89% @ 80-120%)

C9F0028-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
3,3´-Dichlorobenzidine (22% @ 20%)

8270D(SIM) Semi-Volatile Organic Compounds

C9F0067-CCV1 **Calibration required quadratic regression (Q).**
2,4,6-Tribromophenol (124% @ 80-120%), Pentachlorophenol (80% @ 80-120%)

C9F0067-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4,6-Tribromophenol (24% @ 20%)

C9F0067-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
2,4,6-Tribromophenol

C9F0086-CCV1 **Calibration required quadratic regression (Q).**
2,4,6-Tribromophenol (96% @ 80-120%), Pentachlorophenol (82% @ 80-120%)

C9F0086-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
2,4,6-Tribromophenol

CF90317-BSD2 **Relative percent difference for duplicate is outside of criteria (D+).**
Benzo(k)fluoranthene (25% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

MassDEP Analytical Protocol Certification Form

MADEP RTN: _____

This form provides certification for the following data set: **1906009-01 through 1906009-02**

Matrices: (X) Ground Water/Surface Water ( ) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other:_____

CAM Protocol (check all that apply below):

(X) 8260 VOC CAM II A	(X) 7470/7471 Hg CAM III B	( ) MassDEP VPH (GC/PID/FID) CAM IV A	(X) 8082 PCB CAM V A	( ) 9014 Total Cyanide/PAC CAM VI A	( ) 6860 Perchlorate CAM VIII B
(X) 8270 SVOC CAM II B	(X) 7010 Metals CAM III C	( ) MassDEP VPH (GC/MS) CAM IV C	( ) 8081 Pesticides CAM V B	( ) 7196 Hex Cr CAM VI B	( ) MassDEP APH CAM IX A
(X) 6010 Metals CAM III A	(X) 6020 Metals CAM III D	(X) MassDEP EPH CAM IV B	( ) 8151 Herbicides CAM V C	( ) Explosives CAM VIII A	( ) TO-15 VOC CAM IX B

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	Yes (X) No ( )
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	Yes (X) No ( )
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	Yes (X) No ( )
D	Does the laboratory report comply with all the reporting requirements specified in the CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No ( )
E	VPH, EPH, APH and TO-15 only: a. Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	Yes (X) No ( )
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes ( ) No ( )
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	Yes (X) No ( )

Responses to Questions G, H and I below are required for "'Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols(s)?	Yes (X) No ( )*
	***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**	
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	Yes ( ) No (X)*
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	Yes ( ) No (X)*

****All negative responses must be addressed in an attached laboratory narrative.***

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Laurel Stoddard Date: June 11, 2019

Printed Name: Laurel Stoddard Position: Laboratory Director

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	KJK	06/03/19 17:31	10	10	CF90302
Arsenic	ND (5.0)		7010		1	KJK	06/04/19 17:52	10	10	CF90302
Barium	ND (50.0)		6010C		1	KJK	06/08/19 3:02	10	10	CF90302
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 3:02	10	10	CF90302
Cadmium	ND (0.2)		6020A		1	KJK	06/03/19 17:31	10	10	CF90302
Chromium	ND (10.0)		6010C		1	NAR	06/10/19 15:28	10	10	CF90302
Lead	ND (1.0)		6020A		1	KJK	06/03/19 17:31	10	10	CF90302
Mercury	ND (0.20)		7470A		1	MKS	06/05/19 10:20	20	40	CF90349
Nickel	ND (50.0)		6010C		1	KJK	06/08/19 3:02	10	10	CF90302
Selenium	ND (5.0)		6020A		1	KJK	06/03/19 17:31	10	10	CF90302
Silver	ND (5.0)		6010C		1	KJK	06/08/19 3:02	10	10	CF90302
Thallium	ND (1.0)		6020A		1	KJK	06/03/19 17:31	10	10	CF90302
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 3:02	10	10	CF90302
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 3:02	10	10	CF90302

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 1040
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: CAD
Prepared: 6/3/19 11:45

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1221	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1232	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1242	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1248	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1254	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1260	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1262	ND (0.10)		8082A		1	06/03/19 18:31		CF90307
Aroclor 1268	ND (0.10)		8082A		1	06/03/19 18:31		CF90307

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*74 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*74 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*87 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,1-Dichloroethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,1-Dichloroethene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,1-Dichloropropene	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2-Dibromoethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2-Dichloroethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,2-Dichloropropane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,3-Dichloropropane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
1,4-Dioxane - Screen	ND (500)		8260B		1	06/04/19 12:49	C9F0046	CF90423
2,2-Dichloropropane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
2-Butanone	ND (10.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
2-Chlorotoluene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
2-Hexanone	ND (10.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
4-Chlorotoluene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
4-Isopropyltoluene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Acetone	ND (10.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Benzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Bromobenzene	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Bromochloromethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Bromoform	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Bromomethane	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Carbon Disulfide	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Carbon Tetrachloride	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Chlorobenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Chloroethane	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Chloroform	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Chloromethane	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Dibromochloromethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Dibromomethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Diethyl Ether	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Di-isopropyl ether	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Ethylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Hexachlorobutadiene	ND (0.6)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Hexachloroethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Isopropylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Methylene Chloride	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Naphthalene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
n-Butylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
n-Propylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
sec-Butylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Styrene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
tert-Butylbenzene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Tetrachloroethene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Tetrahydrofuran	ND (5.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Trichloroethene	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Trichlorofluoromethane	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Vinyl Chloride	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Xylene O	ND (1.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Xylene P,M	ND (2.0)		8260B		1	06/04/19 12:49	C9F0046	CF90423
Xylenes (Total)	ND (2.00)		8260B		1	06/04/19 12:49		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 970
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/3/19 17:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
1,2-Dichlorobenzene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
1,3-Dichlorobenzene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
1,4-Dichlorobenzene	ND (1.3)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,4,5-Trichlorophenol	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,4,6-Trichlorophenol	ND (1.3)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,4-Dichlorophenol	ND (1.3)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,4-Dimethylphenol	ND (12.9)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,4-Dinitrophenol	ND (12.9)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,4-Dinitrotoluene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2,6-Dinitrotoluene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2-Chloronaphthalene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2-Chlorophenol	ND (1.3)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2-Methylphenol	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
2-Nitrophenol	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
3,3′-Dichlorobenzidine	ND (5.2)		8270D		1	06/04/19 21:19	C9F0028	CF90317
3+4-Methylphenol	ND (5.2)		8270D		1	06/04/19 21:19	C9F0028	CF90317
4-Bromophenyl-phenylether	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
4-Chloroaniline	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
4-Nitrophenol	ND (12.9)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Acetophenone	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Aniline	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Azobenzene	ND (5.2)		8270D		1	06/04/19 21:19	C9F0028	CF90317
bis(2-Chloroethoxy)methane	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
bis(2-Chloroethyl)ether	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
bis(2-chloroisopropyl)Ether	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
bis(2-Ethylhexyl)phthalate	ND (0.8)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Butylbenzylphthalate	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Dibenzofuran	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Diethylphthalate	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Dimethylphthalate	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Di-n-butylphthalate	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 970
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/3/19 17:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Hexachlorobutadiene	ND (1.3)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Hexachloroethane	ND (1.3)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Isophorone	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Nitrobenzene	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
N-Nitrosodimethylamine	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317
Phenol	ND (2.6)		8270D		1	06/04/19 21:19	C9F0028	CF90317

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*15 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*16 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*15 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*15 %*		*30-130*
Surrogate: 2-Fluorophenol	*14 %*		*15-110*
Surrogate: Nitrobenzene-d5	*16 %*		*30-130*
Surrogate: Phenol-d6	*16 %*		*15-110*
Surrogate: p-Terphenyl-d14	*16 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 970
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/3/19 17:00

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Acenaphthene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Acenaphthylene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Anthracene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Chrysene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Fluoranthene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Fluorene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Naphthalene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Pentachlorophenol	ND (0.93)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Phenanthrene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317
Pyrene	ND (0.21)		8270D SIM		1	06/07/19 7:17	C9F0086	CF90317

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*42 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*25 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*47 %*		*30-130*
Surrogate: Nitrobenzene-d5	*63 %*		*30-130*
Surrogate: p-Terphenyl-d14	*55 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW12
Date Sampled: 05/30/19 09:05
Percent Solids: N/A
Initial Volume: 1040
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-01
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/3/19 3:03

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (96)		MADEP-EPH		1	CAD	06/05/19 2:21	C9F0021	CF90306
C19-C36 Aliphatics1	ND (96)		MADEP-EPH		1	CAD	06/05/19 2:21	C9F0021	CF90306
C11-C22 Unadjusted Aromatics1	ND (96.2)		EPH8270		1	ZLC	06/06/19 18:13	C9F0072	CF90306
C11-C22 Aromatics1,2	ND (96.2)		EPH8270			ZLC	06/06/19 18:13		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90306

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*72 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*94 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*90 %*		*40-140*
Surrogate: O-Terphenyl	*78 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/30/19 10:35
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 1906009
ESS Laboratory Sample ID: 1906009-02
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/3/19 3:03

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/05/19 3:08	C9F0021	CF90306
C19-C36 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/05/19 3:08	C9F0021	CF90306
C11-C22 Unadjusted Aromatics1	ND (98.0)		EPH8270		1	ZLC	06/06/19 18:49	C9F0072	CF90306
C11-C22 Aromatics1,2	ND (98.0)		EPH8270			ZLC	06/06/19 18:49		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90306

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*74 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*86 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*92 %*		*40-140*
Surrogate: O-Terphenyl	*80 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Dissolved Metals										
Batch CF90302 - 200.7/6010BNoDigest										
Blank										
Antimony	ND	1.0	ug/L							
Arsenic	ND	5.0	ug/L							
Barium	ND	50.0	ug/L							
Beryllium	ND	1.0	ug/L							
Cadmium	ND	0.2	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	1.0	ug/L							
Nickel	ND	50.0	ug/L							
Selenium	ND	5.0	ug/L							
Silver	ND	5.0	ug/L							
Thallium	ND	1.0	ug/L							
Vanadium	ND	20.0	ug/L							
Zinc	ND	50.0	ug/L							
LCS										
Barium	0.5		mg/L	0.5000		102	80-120			
Beryllium	0.05		mg/L	0.05000		100	80-120			
Chromium	0.5		mg/L	0.5000		102	80-120			
Nickel	0.5		mg/L	0.5000		100	80-120			
Silver	0.3		mg/L	0.2500		103	80-120			
Vanadium	0.5		mg/L	0.5000		101	80-120			
Zinc	0.5		mg/L	0.5000		101	80-120			
LCS										
Antimony	20.4		ug/L	20.04		102	80-120			
Cadmium	19.8		ug/L	20.10		99	80-120			
Lead	20.6		ug/L	19.98		103	80-120			
Selenium	20.0		ug/L	19.98		100	80-120			
Thallium	20.6		ug/L	20.02		103	80-120			
LCS										
Arsenic	24.6		ug/L	25.00		99	80-120			
Batch CF90349 - 245.1/7470A										
Blank										
Mercury	ND	0.20	ug/L							
LCS										
Mercury	6.12	0.20	ug/L	6.042		101	80-120			
LCS Dup										
Mercury	6.30	0.20	ug/L	6.042		104	80-120	3	20	
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90307 - 3510C										
Blank										
Aroclor 1016	ND	0.05	ug/L							
Aroclor 1016 [2C]	ND	0.05	ug/L							

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Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90307 - 3510C										
Aroclor 1221	ND	0.05	ug/L							
Aroclor 1221 [2C]	ND	0.05	ug/L							
Aroclor 1232	ND	0.05	ug/L							
Aroclor 1232 [2C]	ND	0.05	ug/L							
Aroclor 1242	ND	0.05	ug/L							
Aroclor 1242 [2C]	ND	0.05	ug/L							
Aroclor 1248	ND	0.05	ug/L							
Aroclor 1248 [2C]	ND	0.05	ug/L							
Aroclor 1254	ND	0.05	ug/L							
Aroclor 1254 [2C]	ND	0.05	ug/L							
Aroclor 1260	ND	0.05	ug/L							
Aroclor 1260 [2C]	ND	0.05	ug/L							
Aroclor 1262	ND	0.05	ug/L							
Aroclor 1262 [2C]	ND	0.05	ug/L							
Aroclor 1268	ND	0.05	ug/L							
Aroclor 1268 [2C]	ND	0.05	ug/L							
Surrogate: Decachlorobiphenyl	*0.0329*		ug/L	*0.05000*		*66*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0331*		ug/L	*0.05000*		*66*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0257*		ug/L	*0.05000*		*51*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0311*		ug/L	*0.05000*		*62*	*30-150*			
LCS										
Aroclor 1016	0.97	0.10	ug/L	1.000		97	40-140			
Aroclor 1016 [2C]	0.94	0.10	ug/L	1.000		94	40-140			
Aroclor 1260	0.83	0.10	ug/L	1.000		83	40-140			
Aroclor 1260 [2C]	0.86	0.10	ug/L	1.000		86	40-140			
Surrogate: Decachlorobiphenyl	*0.0416*		ug/L	*0.05000*		*83*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0413*		ug/L	*0.05000*		*83*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0303*		ug/L	*0.05000*		*61*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0319*		ug/L	*0.05000*		*64*	*30-150*			
LCS Dup										
Aroclor 1016	0.97	0.10	ug/L	1.000		97	40-140	0.4	20	
Aroclor 1016 [2C]	0.96	0.10	ug/L	1.000		96	40-140	2	20	
Aroclor 1260	0.86	0.10	ug/L	1.000		86	40-140	3	20	
Aroclor 1260 [2C]	0.88	0.10	ug/L	1.000		88	40-140	3	20	
Surrogate: Decachlorobiphenyl	*0.0422*		ug/L	*0.05000*		*84*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0416*		ug/L	*0.05000*		*83*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0305*		ug/L	*0.05000*		*61*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0320*		ug/L	*0.05000*		*64*	*30-150*			
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
Blank										

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
1,1-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	1.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	1.0	ug/L							
1,2,4-Trimethylbenzene	ND	1.0	ug/L							
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
1,2-Dichlorobenzene	ND	1.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
1,3,5-Trimethylbenzene	ND	1.0	ug/L							
1,3-Dichlorobenzene	ND	1.0	ug/L							
1,3-Dichloropropane	ND	1.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
1,4-Dioxane - Screen	ND	500	ug/L							
2,2-Dichloropropane	ND	1.0	ug/L							
2-Butanone	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.0	ug/L							
2-Hexanone	ND	10.0	ug/L							
4-Chlorotoluene	ND	1.0	ug/L							
4-Isopropyltoluene	ND	1.0	ug/L							
4-Methyl-2-Pentanone	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.0	ug/L							
Bromobenzene	ND	2.0	ug/L							
Bromochloromethane	ND	1.0	ug/L							
Bromodichloromethane	ND	0.6	ug/L							
Bromoform	ND	1.0	ug/L							
Bromomethane	ND	2.0	ug/L							
Carbon Disulfide	ND	1.0	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	1.0	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	1.0	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	0.4	ug/L							
Dibromochloromethane	ND	1.0	ug/L							
Dibromomethane	ND	1.0	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
Dichlorodifluoromethane	ND	2.0	ug/L							
Diethyl Ether	ND	1.0	ug/L							
Di-isopropyl ether	ND	1.0	ug/L							
Ethyl tertiary-butyl ether	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Hexachlorobutadiene	ND	0.6	ug/L							
Hexachloroethane	ND	1.0	ug/L							
Isopropylbenzene	ND	1.0	ug/L							
Methyl tert-Butyl Ether	ND	1.0	ug/L							
Methylene Chloride	ND	2.0	ug/L							
Naphthalene	ND	1.0	ug/L							
n-Butylbenzene	ND	1.0	ug/L							
n-Propylbenzene	ND	1.0	ug/L							
sec-Butylbenzene	ND	1.0	ug/L							
Styrene	ND	1.0	ug/L							
tert-Butylbenzene	ND	1.0	ug/L							
Tertiary-amyl methyl ether	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Tetrahydrofuran	ND	5.0	ug/L							
Toluene	ND	1.0	ug/L							
trans-1,2-Dichloroethene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	0.4	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylene O	ND	1.0	ug/L							
Xylene P,M	ND	2.0	ug/L							
Surrogate: 1,2-Dichloroethane-d4	*27.3*		ug/L	*25.00*		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.2*		ug/L	*25.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*25.8*		ug/L	*25.00*		*103*	*70-130*			
Surrogate: Toluene-d8	*24.9*		ug/L	*25.00*		*100*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.00		100	70-130			
1,1,1-Trichloroethane	10.7		ug/L	10.00		107	70-130			
1,1,2,2-Tetrachloroethane	10.0		ug/L	10.00		100	70-130			
1,1,2-Trichloroethane	10.2		ug/L	10.00		102	70-130			
1,1-Dichloroethane	11.0		ug/L	10.00		110	70-130			
1,1-Dichloroethene	10.8		ug/L	10.00		108	70-130			
1,1-Dichloropropene	10.6		ug/L	10.00		106	70-130			
1,2,3-Trichlorobenzene	10.8		ug/L	10.00		108	70-130			
1,2,3-Trichloropropane	9.4		ug/L	10.00		94	70-130			
1,2,4-Trichlorobenzene	10.6		ug/L	10.00		106	70-130			
1,2,4-Trimethylbenzene	10.4		ug/L	10.00		104	70-130			
1,2-Dibromo-3-Chloropropane	8.1		ug/L	10.00		81	70-130			
1,2-Dibromoethane	10.2		ug/L	10.00		102	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
1,2-Dichlorobenzene	10.3		ug/L	10.00		103	70-130			
1,2-Dichloroethane	11.0		ug/L	10.00		110	70-130			
1,2-Dichloropropane	10.2		ug/L	10.00		102	70-130			
1,3,5-Trimethylbenzene	10.6		ug/L	10.00		106	70-130			
1,3-Dichlorobenzene	10.5		ug/L	10.00		105	70-130			
1,3-Dichloropropane	10.9		ug/L	10.00		109	70-130			
1,4-Dichlorobenzene	10.6		ug/L	10.00		106	70-130			
1,4-Dioxane - Screen	182		ug/L	200.0		91	0-332			
2,2-Dichloropropane	10.3		ug/L	10.00		103	70-130			
2-Butanone	50.2		ug/L	50.00		100	70-130			
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130			
2-Hexanone	47.8		ug/L	50.00		96	70-130			
4-Chlorotoluene	10.4		ug/L	10.00		104	70-130			
4-Isopropyltoluene	10.4		ug/L	10.00		104	70-130			
4-Methyl-2-Pentanone	45.9		ug/L	50.00		92	70-130			
Acetone	46.7		ug/L	50.00		93	70-130			
Benzene	10.3		ug/L	10.00		103	70-130			
Bromobenzene	10.4		ug/L	10.00		104	70-130			
Bromochloromethane	10.6		ug/L	10.00		106	70-130			
Bromodichloromethane	10.0		ug/L	10.00		100	70-130			
Bromoform	9.1		ug/L	10.00		91	70-130			
Bromomethane	11.5		ug/L	10.00		115	70-130			
Carbon Disulfide	10.7		ug/L	10.00		107	70-130			
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130			
Chlorobenzene	11.1		ug/L	10.00		111	70-130			
Chloroethane	10.9		ug/L	10.00		109	70-130			
Chloroform	10.8		ug/L	10.00		108	70-130			
Chloromethane	12.9		ug/L	10.00		129	70-130			
cis-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130			
cis-1,3-Dichloropropene	9.8		ug/L	10.00		98	70-130			
Dibromochloromethane	9.1		ug/L	10.00		91	70-130			
Dibromomethane	10.5		ug/L	10.00		105	70-130			
Dichlorodifluoromethane	12.1		ug/L	10.00		121	70-130			
Diethyl Ether	10.3		ug/L	10.00		103	70-130			
Di-isopropyl ether	10.0		ug/L	10.00		100	70-130			
Ethyl tertiary-butyl ether	9.0		ug/L	10.00		90	70-130			
Ethylbenzene	10.3		ug/L	10.00		103	70-130			
Hexachlorobutadiene	11.0		ug/L	10.00		110	70-130			
Hexachloroethane	7.6		ug/L	10.00		76	70-130			
Isopropylbenzene	10.2		ug/L	10.00		102	70-130			
Methyl tert-Butyl Ether	9.8		ug/L	10.00		98	70-130			
Methylene Chloride	10.6		ug/L	10.00		106	70-130			
Naphthalene	10.4		ug/L	10.00		104	70-130			
n-Butylbenzene	10.4		ug/L	10.00		104	70-130			
n-Propylbenzene	10.4		ug/L	10.00		104	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
sec-Butylbenzene	10.2		ug/L	10.00		102	70-130			
Styrene	10.3		ug/L	10.00		103	70-130			
tert-Butylbenzene	10.0		ug/L	10.00		100	70-130			
Tertiary-amyl methyl ether	9.1		ug/L	10.00		91	70-130			
Tetrachloroethene	9.2		ug/L	10.00		92	70-130			
Tetrahydrofuran	9.7		ug/L	10.00		97	70-130			
Toluene	10.4		ug/L	10.00		104	70-130			
trans-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130			
trans-1,3-Dichloropropene	9.1		ug/L	10.00		91	70-130			
Trichloroethene	10.6		ug/L	10.00		106	70-130			
Trichlorofluoromethane	11.0		ug/L	10.00		110	70-130			
Vinyl Chloride	11.0		ug/L	10.00		110	70-130			
Xylene O	10.4		ug/L	10.00		104	70-130			
Xylene P,M	21.0		ug/L	20.00		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.4*		ug/L	*25.00*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.2*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*26.0*		ug/L	*25.00*		*104*	*70-130*			
Surrogate: Toluene-d8	*24.8*		ug/L	*25.00*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.00		100	70-130	0.3	20	
1,1,1-Trichloroethane	10.9		ug/L	10.00		109	70-130	2	20	
1,1,2,2-Tetrachloroethane	10.4		ug/L	10.00		104	70-130	5	20	
1,1,2-Trichloroethane	10.4		ug/L	10.00		104	70-130	2	20	
1,1-Dichloroethane	11.3		ug/L	10.00		113	70-130	3	20	
1,1-Dichloroethene	11.0		ug/L	10.00		110	70-130	2	20	
1,1-Dichloropropene	10.8		ug/L	10.00		108	70-130	2	20	
1,2,3-Trichlorobenzene	10.8		ug/L	10.00		108	70-130	0.3	20	
1,2,3-Trichloropropane	10.0		ug/L	10.00		100	70-130	5	20	
1,2,4-Trichlorobenzene	10.8		ug/L	10.00		108	70-130	2	20	
1,2,4-Trimethylbenzene	10.7		ug/L	10.00		107	70-130	3	20	
1,2-Dibromo-3-Chloropropane	8.4		ug/L	10.00		84	70-130	4	20	
1,2-Dibromoethane	10.5		ug/L	10.00		105	70-130	3	20	
1,2-Dichlorobenzene	10.6		ug/L	10.00		106	70-130	3	20	
1,2-Dichloroethane	11.3		ug/L	10.00		113	70-130	3	20	
1,2-Dichloropropane	10.5		ug/L	10.00		105	70-130	3	20	
1,3,5-Trimethylbenzene	10.8		ug/L	10.00		108	70-130	2	20	
1,3-Dichlorobenzene	10.6		ug/L	10.00		106	70-130	1	20	
1,3-Dichloropropane	11.0		ug/L	10.00		110	70-130	0.9	20	
1,4-Dichlorobenzene	10.8		ug/L	10.00		108	70-130	2	20	
1,4-Dioxane - Screen	191		ug/L	200.0		96	0-332	5	200	
2,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	1	20	
2-Butanone	51.6		ug/L	50.00		103	70-130	3	20	
2-Chlorotoluene	10.6		ug/L	10.00		106	70-130	3	20	
2-Hexanone	49.4		ug/L	50.00		99	70-130	3	20	
4-Chlorotoluene	10.7		ug/L	10.00		107	70-130	3	20	

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
4-Isopropyltoluene	10.6		ug/L	10.00		106	70-130	2	20	
4-Methyl-2-Pentanone	49.0		ug/L	50.00		98	70-130	6	20	
Acetone	47.8		ug/L	50.00		96	70-130	2	20	
Benzene	10.5		ug/L	10.00		105	70-130	2	20	
Bromobenzene	10.9		ug/L	10.00		109	70-130	5	20	
Bromochloromethane	10.7		ug/L	10.00		107	70-130	1	20	
Bromodichloromethane	10.1		ug/L	10.00		101	70-130	2	20	
Bromoform	9.3		ug/L	10.00		93	70-130	2	20	
Bromomethane	12.1		ug/L	10.00		121	70-130	5	20	
Carbon Disulfide	11.0		ug/L	10.00		110	70-130	3	20	
Carbon Tetrachloride	10.1		ug/L	10.00		101	70-130	2	20	
Chlorobenzene	11.1		ug/L	10.00		111	70-130	0.5	20	
Chloroethane	11.1		ug/L	10.00		111	70-130	2	20	
Chloroform	10.9		ug/L	10.00		109	70-130	1	20	
Chloromethane	13.4		ug/L	10.00		134	70-130	4	20	B+
cis-1,2-Dichloroethene	10.9		ug/L	10.00		109	70-130	3	20	
cis-1,3-Dichloropropene	10.1		ug/L	10.00		101	70-130	2	20	
Dibromochloromethane	9.0		ug/L	10.00		90	70-130	0.1	20	
Dibromomethane	10.6		ug/L	10.00		106	70-130	0.8	20	
Dichlorodifluoromethane	12.5		ug/L	10.00		125	70-130	3	20	
Diethyl Ether	10.5		ug/L	10.00		105	70-130	2	20	
Di-isopropyl ether	10.2		ug/L	10.00		102	70-130	2	20	
Ethyl tertiary-butyl ether	9.1		ug/L	10.00		91	70-130	2	20	
Ethylbenzene	10.4		ug/L	10.00		104	70-130	1	20	
Hexachlorobutadiene	10.9		ug/L	10.00		109	70-130	0.8	20	
Hexachloroethane	8.2		ug/L	10.00		82	70-130	7	20	
Isopropylbenzene	10.4		ug/L	10.00		104	70-130	3	20	
Methyl tert-Butyl Ether	10.2		ug/L	10.00		102	70-130	4	20	
Methylene Chloride	10.9		ug/L	10.00		109	70-130	3	20	
Naphthalene	10.6		ug/L	10.00		106	70-130	1	20	
n-Butylbenzene	10.6		ug/L	10.00		106	70-130	2	20	
n-Propylbenzene	10.6		ug/L	10.00		106	70-130	2	20	
sec-Butylbenzene	10.3		ug/L	10.00		103	70-130	0.9	20	
Styrene	10.2		ug/L	10.00		102	70-130	0.4	20	
tert-Butylbenzene	10.4		ug/L	10.00		104	70-130	4	20	
Tertiary-amyl methyl ether	9.3		ug/L	10.00		93	70-130	2	20	
Tetrachloroethene	9.2		ug/L	10.00		92	70-130	0.7	20	
Tetrahydrofuran	10.1		ug/L	10.00		101	70-130	4	20	
Toluene	10.5		ug/L	10.00		105	70-130	1	20	
trans-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130	2	20	
trans-1,3-Dichloropropene	9.3		ug/L	10.00		93	70-130	2	20	
Trichloroethene	10.7		ug/L	10.00		107	70-130	2	20	
Trichlorofluoromethane	10.8		ug/L	10.00		108	70-130	1	20	
Vinyl Chloride	11.4		ug/L	10.00		114	70-130	4	20	
Xylene O	10.7		ug/L	10.00		107	70-130	3	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90423 - 5030B										
Xylene P,M	21.1		ug/L	20.00		106	70-130	0.8	20	
Surrogate: 1,2-Dichloroethane-d4	*26.9*		ug/L	*25.00*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.7*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*26.3*		ug/L	*25.00*		*105*	*70-130*			
Surrogate: Toluene-d8	*24.5*		ug/L	*25.00*		*98*	*70-130*			
8270D Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	5.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	5.0	ug/L							
2,4-Dichlorophenol	ND	5.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	5.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	10.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							
bis(2-Ethylhexyl)phthalate	ND	3.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	5.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*47.7*		ug/L	*100.0*		*48*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*67.5*		ug/L	*150.0*		*45*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*67.9*		ug/L	*150.0*		*45*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*49.5*		ug/L	*100.0*		*50*	*30-130*			
Surrogate: 2-Fluorophenol	*55.8*		ug/L	*150.0*		*37*	*15-110*			
Surrogate: Nitrobenzene-d5	*51.5*		ug/L	*100.0*		*51*	*30-130*			
Surrogate: Phenol-d6	*72.5*		ug/L	*150.0*		*48*	*15-110*			
Surrogate: p-Terphenyl-d14	*51.9*		ug/L	*100.0*		*52*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	66.9	10.0	ug/L	100.0		67	40-140			
1,2-Dichlorobenzene	63.1	10.0	ug/L	100.0		63	40-140			
1,3-Dichlorobenzene	60.4	10.0	ug/L	100.0		60	40-140			
1,4-Dichlorobenzene	61.9	5.0	ug/L	100.0		62	40-140			
2,4,5-Trichlorophenol	69.6	10.0	ug/L	100.0		70	30-130			
2,4,6-Trichlorophenol	69.0	5.0	ug/L	100.0		69	30-130			
2,4-Dichlorophenol	68.3	5.0	ug/L	100.0		68	30-130			
2,4-Dimethylphenol	59.5	50.0	ug/L	100.0		59	30-130			
2,4-Dinitrophenol	72.2	50.0	ug/L	100.0		72	30-130			
2,4-Dinitrotoluene	75.6	10.0	ug/L	100.0		76	40-140			
2,6-Dinitrotoluene	71.1	10.0	ug/L	100.0		71	40-140			
2-Chloronaphthalene	94.5	10.0	ug/L	100.0		95	40-140			
2-Chlorophenol	62.7	5.0	ug/L	100.0		63	30-130			
2-Methylphenol	64.8	10.0	ug/L	100.0		65	30-130			
2-Nitrophenol	67.6	10.0	ug/L	100.0		68	30-130			
3,3´-Dichlorobenzidine	57.3	20.0	ug/L	100.0		57	40-140			
3+4-Methylphenol	145	20.0	ug/L	200.0		72	30-130			
4-Bromophenyl-phenylether	75.3	10.0	ug/L	100.0		75	40-140			
4-Chloroaniline	58.0	10.0	ug/L	100.0		58	40-140			
4-Nitrophenol	72.4	50.0	ug/L	100.0		72	30-130			
Acetophenone	67.6	10.0	ug/L	100.0		68	40-140			
Aniline	61.4	10.0	ug/L	100.0		61	40-140			
Azobenzene	74.2	20.0	ug/L	100.0		74	40-140			
bis(2-Chloroethoxy)methane	68.8	10.0	ug/L	100.0		69	40-140			
bis(2-Chloroethyl)ether	70.2	10.0	ug/L	100.0		70	40-140			
bis(2-chloroisopropyl)Ether	65.4	10.0	ug/L	100.0		65	40-140			
bis(2-Ethylhexyl)phthalate	85.2	3.0	ug/L	100.0		85	40-140			
Butylbenzylphthalate	81.7	10.0	ug/L	100.0		82	40-140			
Dibenzofuran	70.5	10.0	ug/L	100.0		70	40-140			
Diethylphthalate	79.0	10.0	ug/L	100.0		79	40-140			
Dimethylphthalate	72.7	10.0	ug/L	100.0		73	40-140			
Di-n-butylphthalate	78.8	10.0	ug/L	100.0		79	40-140			
Di-n-octylphthalate	83.1	10.0	ug/L	100.0		83	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
Hexachlorobutadiene	64.0	5.0	ug/L	100.0		64	40-140			
Hexachloroethane	57.1	5.0	ug/L	100.0		57	40-140			
Isophorone	61.2	10.0	ug/L	100.0		61	40-140			
Nitrobenzene	67.1	10.0	ug/L	100.0		67	40-140			
N-Nitrosodimethylamine	61.6	10.0	ug/L	100.0		62	40-140			
Phenol	66.0	10.0	ug/L	100.0		66	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*66.4*		ug/L	*100.0*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*110*		ug/L	*150.0*		*73*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*101*		ug/L	*150.0*		*68*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*75.1*		ug/L	*100.0*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*89.4*		ug/L	*150.0*		*60*	*15-110*			
Surrogate: Nitrobenzene-d5	*71.8*		ug/L	*100.0*		*72*	*30-130*			
Surrogate: Phenol-d6	*109*		ug/L	*150.0*		*73*	*15-110*			
Surrogate: p-Terphenyl-d14	*78.7*		ug/L	*100.0*		*79*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	76.2	10.0	ug/L	100.0		76	40-140	13	20	
1,2-Dichlorobenzene	71.7	10.0	ug/L	100.0		72	40-140	13	20	
1,3-Dichlorobenzene	70.3	10.0	ug/L	100.0		70	40-140	15	20	
1,4-Dichlorobenzene	70.9	5.0	ug/L	100.0		71	40-140	14	20	
2,4,5-Trichlorophenol	78.6	10.0	ug/L	100.0		79	30-130	12	20	
2,4,6-Trichlorophenol	78.0	5.0	ug/L	100.0		78	30-130	12	20	
2,4-Dichlorophenol	75.4	5.0	ug/L	100.0		75	30-130	10	20	
2,4-Dimethylphenol	65.2	50.0	ug/L	100.0		65	30-130	9	20	
2,4-Dinitrophenol	81.1	50.0	ug/L	100.0		81	30-130	12	20	
2,4-Dinitrotoluene	85.6	10.0	ug/L	100.0		86	40-140	12	20	
2,6-Dinitrotoluene	80.2	10.0	ug/L	100.0		80	40-140	12	20	
2-Chloronaphthalene	106	10.0	ug/L	100.0		106	40-140	11	20	
2-Chlorophenol	66.7	5.0	ug/L	100.0		67	30-130	6	20	
2-Methylphenol	69.8	10.0	ug/L	100.0		70	30-130	7	20	
2-Nitrophenol	73.2	10.0	ug/L	100.0		73	30-130	8	20	
3,3´-Dichlorobenzidine	61.7	20.0	ug/L	100.0		62	40-140	7	20	
3+4-Methylphenol	156	20.0	ug/L	200.0		78	30-130	7	20	
4-Bromophenyl-phenylether	84.4	10.0	ug/L	100.0		84	40-140	11	20	
4-Chloroaniline	67.9	10.0	ug/L	100.0		68	40-140	16	20	
4-Nitrophenol	81.0	50.0	ug/L	100.0		81	30-130	11	20	
Acetophenone	74.1	10.0	ug/L	100.0		74	40-140	9	20	
Aniline	69.7	10.0	ug/L	100.0		70	40-140	13	20	
Azobenzene	83.7	20.0	ug/L	100.0		84	40-140	12	20	
bis(2-Chloroethoxy)methane	76.2	10.0	ug/L	100.0		76	40-140	10	20	
bis(2-Chloroethyl)ether	76.0	10.0	ug/L	100.0		76	40-140	8	20	
bis(2-chloroisopropyl)Ether	71.4	10.0	ug/L	100.0		71	40-140	9	20	
bis(2-Ethylhexyl)phthalate	86.6	3.0	ug/L	100.0		87	40-140	2	20	
Butylbenzylphthalate	82.7	10.0	ug/L	100.0		83	40-140	1	20	
Dibenzofuran	79.8	10.0	ug/L	100.0		80	40-140	12	20	
Diethylphthalate	84.7	10.0	ug/L	100.0		85	40-140	7	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
Dimethylphthalate	82.1	10.0	ug/L	100.0		82	40-140	12	20	
Di-n-butylphthalate	84.5	10.0	ug/L	100.0		84	40-140	7	20	
Di-n-octylphthalate	84.1	10.0	ug/L	100.0		84	40-140	1	20	
Hexachlorobutadiene	72.2	5.0	ug/L	100.0		72	40-140	12	20	
Hexachloroethane	69.5	5.0	ug/L	100.0		70	40-140	20	20	
Isophorone	67.6	10.0	ug/L	100.0		68	40-140	10	20	
Nitrobenzene	75.7	10.0	ug/L	100.0		76	40-140	12	20	
N-Nitrosodimethylamine	69.0	10.0	ug/L	100.0		69	40-140	11	20	
Phenol	71.2	10.0	ug/L	100.0		71	30-130	8	20	
Surrogate: 1,2-Dichlorobenzene-d4	*71.8*		ug/L	*100.0*		*72*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*118*		ug/L	*150.0*		*78*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*106*		ug/L	*150.0*		*70*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*80.1*		ug/L	*100.0*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*91.0*		ug/L	*150.0*		*61*	*15-110*			
Surrogate: Nitrobenzene-d5	*79.2*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: Phenol-d6	*114*		ug/L	*150.0*		*76*	*15-110*			
Surrogate: p-Terphenyl-d14	*80.8*		ug/L	*100.0*		*81*	*30-130*			
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*48.9*		ug/L	*100.0*		*49*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*44.8*		ug/L	*150.0*		*30*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*54.4*		ug/L	*100.0*		*54*	*30-130*			
Surrogate: Nitrobenzene-d5	*77.2*		ug/L	*100.0*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*55.4*		ug/L	*100.0*		*55*	*30-130*			

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
LCS										
2-Methylnaphthalene	76.3	4.00	ug/L	100.0		76	40-140			
Acenaphthene	75.7	4.00	ug/L	100.0		76	40-140			
Acenaphthylene	75.2	4.00	ug/L	100.0		75	40-140			
Anthracene	79.2	4.00	ug/L	100.0		79	40-140			
Benzo(a)anthracene	86.5	1.00	ug/L	100.0		86	40-140			
Benzo(a)pyrene	87.4	1.00	ug/L	100.0		87	40-140			
Benzo(b)fluoranthene	97.5	1.00	ug/L	100.0		97	40-140			
Benzo(g,h,i)perylene	90.2	4.00	ug/L	100.0		90	40-140			
Benzo(k)fluoranthene	90.2	1.00	ug/L	100.0		90	40-140			
Chrysene	86.2	1.00	ug/L	100.0		86	40-140			
Dibenzo(a,h)Anthracene	97.1	1.00	ug/L	100.0		97	40-140			
Fluoranthene	87.4	4.00	ug/L	100.0		87	40-140			
Fluorene	83.3	4.00	ug/L	100.0		83	40-140			
Hexachlorobenzene	102	4.00	ug/L	100.0		102	40-140			
Indeno(1,2,3-cd)Pyrene	102	1.00	ug/L	100.0		102	40-140			
Naphthalene	71.6	4.00	ug/L	100.0		72	40-140			
Pentachlorophenol	88.4	18.0	ug/L	100.0		88	30-130			
Phenanthrene	83.8	4.00	ug/L	100.0		84	40-140			
Pyrene	95.0	4.00	ug/L	100.0		95	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*77.7*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*151*		ug/L	*150.0*		*101*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*80.7*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*81.0*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*98.4*		ug/L	*100.0*		*98*	*30-130*			
LCS Dup										
2-Methylnaphthalene	66.2	4.00	ug/L	100.0		66	40-140	14	20	
Acenaphthene	65.5	4.00	ug/L	100.0		65	40-140	14	20	
Acenaphthylene	63.5	4.00	ug/L	100.0		63	40-140	17	20	
Anthracene	67.7	4.00	ug/L	100.0		68	40-140	16	20	
Benzo(a)anthracene	73.3	1.00	ug/L	100.0		73	40-140	16	20	
Benzo(a)pyrene	74.3	1.00	ug/L	100.0		74	40-140	16	20	
Benzo(b)fluoranthene	86.5	1.00	ug/L	100.0		86	40-140	12	20	
Benzo(g,h,i)perylene	76.8	4.00	ug/L	100.0		77	40-140	16	20	
Benzo(k)fluoranthene	70.5	1.00	ug/L	100.0		70	40-140	25	20	D+
Chrysene	71.4	1.00	ug/L	100.0		71	40-140	19	20	
Dibenzo(a,h)Anthracene	82.9	1.00	ug/L	100.0		83	40-140	16	20	
Fluoranthene	72.4	4.00	ug/L	100.0		72	40-140	19	20	
Fluorene	71.7	4.00	ug/L	100.0		72	40-140	15	20	
Hexachlorobenzene	87.0	4.00	ug/L	100.0		87	40-140	16	20	
Indeno(1,2,3-cd)Pyrene	86.2	1.00	ug/L	100.0		86	40-140	17	20	
Naphthalene	63.4	4.00	ug/L	100.0		63	40-140	12	20	
Pentachlorophenol	74.4	18.0	ug/L	100.0		74	30-130	17	20	
Phenanthrene	72.6	4.00	ug/L	100.0		73	40-140	14	20	
Pyrene	79.5	4.00	ug/L	100.0		79	40-140	18	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90317 - 3520C										
Surrogate: 1,2-Dichlorobenzene-d4	*64.4*		ug/L	*100.0*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*131*		ug/L	*150.0*		*87*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*68.3*		ug/L	*100.0*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*70.4*		ug/L	*100.0*		*70*	*30-130*			
Surrogate: p-Terphenyl-d14	*80.8*		ug/L	*100.0*		*81*	*30-130*			
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90306 - 3510C										
Blank										
C19-C36 Aliphatics1	ND	100	ug/L							
C9-C18 Aliphatics1	ND	100	ug/L							
Decane (C10)	ND	5	ug/L							
Docosane (C22)	ND	5	ug/L							
Dodecane (C12)	ND	5	ug/L							
Eicosane (C20)	ND	5	ug/L							
Hexacosane (C26)	ND	5	ug/L							
Hexadecane (C16)	ND	5	ug/L							
Hexatriacontane (C36)	ND	5	ug/L							
Nonadecane (C19)	ND	5	ug/L							
Nonane (C9)	ND	5	ug/L							
Octacosane (C28)	ND	5	ug/L							
Octadecane (C18)	ND	5	ug/L							
Tetracosane (C24)	ND	5	ug/L							
Tetradecane (C14)	ND	5	ug/L							
Triacontane (C30)	ND	5	ug/L							
Surrogate: 1-Chlorooctadecane	*41.3*		ug/L	*50.50*		*82*	*40-140*			
Blank										
2-Methylnaphthalene	ND	5.0	ug/L							
Acenaphthene	ND	5.0	ug/L							
Acenaphthylene	ND	5.0	ug/L							
Anthracene	ND	5.0	ug/L							
Benzo(a)anthracene	ND	5.0	ug/L							
Benzo(a)pyrene	ND	10.0	ug/L							
Benzo(b)fluoranthene	ND	5.0	ug/L							
Benzo(g,h,i)perylene	ND	10.0	ug/L							
Benzo(k)fluoranthene	ND	10.0	ug/L							
C11-C22 Unadjusted Aromatics1	ND	100	ug/L							
Chrysene	ND	10.0	ug/L							
Dibenzo(a,h)Anthracene	ND	5.0	ug/L							
Fluoranthene	ND	10.0	ug/L							
Fluorene	ND	5.0	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	5.0	ug/L							
Naphthalene	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90306 - 3510C										
Phenanthrene	ND	5.0	ug/L							
Pyrene	ND	5.0	ug/L							
Surrogate: 2-Bromonaphthalene	*49.0*		mg/L	*50.00*		*98*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*46.6*		mg/L	*50.00*		*93*	*40-140*			
Surrogate: O-Terphenyl	*39.7*		ug/L	*50.20*		*79*	*40-140*			
LCS										
C19-C36 Aliphatics1	408	100	ug/L	400.0		102	40-140			
C9-C18 Aliphatics1	218	100	ug/L	300.0		73	40-140			
Decane (C10)	25	5	ug/L	50.00		49	40-140			
Docosane (C22)	46	5	ug/L	50.00		92	40-140			
Dodecane (C12)	32	5	ug/L	50.00		63	40-140			
Eicosane (C20)	45	5	ug/L	50.00		90	40-140			
Hexacosane (C26)	45	5	ug/L	50.00		91	40-140			
Hexadecane (C16)	44	5	ug/L	50.00		88	40-140			
Hexatriacontane (C36)	54	5	ug/L	50.00		109	40-140			
Nonadecane (C19)	45	5	ug/L	50.00		90	40-140			
Nonane (C9)	18	5	ug/L	50.00		37	30-140			
Octacosane (C28)	45	5	ug/L	50.00		90	40-140			
Octadecane (C18)	44	5	ug/L	50.00		88	40-140			
Tetracosane (C24)	46	5	ug/L	50.00		92	40-140			
Tetradecane (C14)	40	5	ug/L	50.00		79	40-140			
Triacontane (C30)	45	5	ug/L	50.00		91	40-140			
Surrogate: 1-Chlorooctadecane	*45.0*		ug/L	*50.50*		*89*	*40-140*			
LCS										
2-Methylnaphthalene	44.6	5.0	ug/L	50.00		89	40-140			
Acenaphthene	40.2	5.0	ug/L	50.00		80	40-140			
Acenaphthylene	40.8	5.0	ug/L	50.00		82	40-140			
Anthracene	42.4	5.0	ug/L	50.00		85	40-140			
Benzo(a)anthracene	42.3	5.0	ug/L	50.00		85	40-140			
Benzo(a)pyrene	44.3	10.0	ug/L	50.00		89	40-140			
Benzo(b)fluoranthene	41.0	5.0	ug/L	50.00		82	40-140			
Benzo(g,h,i)perylene	43.4	10.0	ug/L	50.00		87	40-140			
Benzo(k)fluoranthene	45.0	10.0	ug/L	50.00		90	40-140			
C11-C22 Unadjusted Aromatics1	829	100	ug/L	850.0		98	40-140			
Chrysene	44.0	10.0	ug/L	50.00		88	40-140			
Dibenzo(a,h)Anthracene	45.1	5.0	ug/L	50.00		90	40-140			
Fluoranthene	42.0	10.0	ug/L	50.00		84	40-140			
Fluorene	39.8	5.0	ug/L	50.00		80	40-140			
Indeno(1,2,3-cd)Pyrene	45.2	5.0	ug/L	50.00		90	40-140			
Naphthalene	34.5	10.0	ug/L	50.00		69	40-140			
Phenanthrene	42.1	5.0	ug/L	50.00		84	40-140			
Pyrene	43.3	5.0	ug/L	50.00		87	40-140			
Surrogate: 2-Bromonaphthalene	*40.8*		mg/L	*50.00*		*82*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*48.8*		mg/L	*50.00*		*98*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90306 - 3510C										
Surrogate: O-Terphenyl	*42.9*		ug/L	*50.20*		*86*	*40-140*			
LCS										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
LCS Dup										
C19-C36 Aliphatics1	394	100	ug/L	400.0		98	40-140	3	25	
C9-C18 Aliphatics1	219	100	ug/L	300.0		73	40-140	0.2	25	
Decane (C10)	26	5	ug/L	50.00		52	40-140	5	25	
Docosane (C22)	45	5	ug/L	50.00		91	40-140	1	25	
Dodecane (C12)	32	5	ug/L	50.00		65	40-140	2	25	
Eicosane (C20)	44	5	ug/L	50.00		89	40-140	1	25	
Hexacosane (C26)	45	5	ug/L	50.00		90	40-140	1	25	
Hexadecane (C16)	43	5	ug/L	50.00		87	40-140	2	25	
Hexatriacontane (C36)	54	5	ug/L	50.00		108	40-140	1	25	
Nonadecane (C19)	45	5	ug/L	50.00		89	40-140	1	25	
Nonane (C9)	20	5	ug/L	50.00		39	30-140	7	25	
Octacosane (C28)	45	5	ug/L	50.00		89	40-140	1	25	
Octadecane (C18)	44	5	ug/L	50.00		87	40-140	1	25	
Tetracosane (C24)	45	5	ug/L	50.00		91	40-140	1	25	
Tetradecane (C14)	39	5	ug/L	50.00		78	40-140	1	25	
Triacontane (C30)	45	5	ug/L	50.00		90	40-140	1	25	
Surrogate: 1-Chlorooctadecane	*43.4*		ug/L	*50.50*		*86*	*40-140*			
LCS Dup										
2-Methylnaphthalene	42.6	5.0	ug/L	50.00		85	40-140	5	20	
Acenaphthene	39.0	5.0	ug/L	50.00		78	40-140	3	20	
Acenaphthylene	38.2	5.0	ug/L	50.00		76	40-140	6	20	
Anthracene	42.2	5.0	ug/L	50.00		84	40-140	0.5	20	
Benzo(a)anthracene	42.0	5.0	ug/L	50.00		84	40-140	0.7	20	
Benzo(a)pyrene	44.6	10.0	ug/L	50.00		89	40-140	0.6	20	
Benzo(b)fluoranthene	41.3	5.0	ug/L	50.00		83	40-140	0.7	20	
Benzo(g,h,i)perylene	43.0	10.0	ug/L	50.00		86	40-140	0.8	20	
Benzo(k)fluoranthene	43.7	10.0	ug/L	50.00		87	40-140	3	20	
C11-C22 Unadjusted Aromatics1	823	100	ug/L	850.0		97	40-140	0.8	25	
Chrysene	42.0	10.0	ug/L	50.00		84	40-140	5	20	
Dibenzo(a,h)Anthracene	43.8	5.0	ug/L	50.00		88	40-140	3	20	
Fluoranthene	41.6	10.0	ug/L	50.00		83	40-140	1	20	
Fluorene	39.4	5.0	ug/L	50.00		79	40-140	0.9	20	
Indeno(1,2,3-cd)Pyrene	44.0	5.0	ug/L	50.00		88	40-140	3	20	
Naphthalene	33.4	10.0	ug/L	50.00		67	40-140	3	20	
Phenanthrene	41.8	5.0	ug/L	50.00		84	40-140	0.8	20	
Pyrene	42.2	5.0	ug/L	50.00		84	40-140	3	20	
Surrogate: 2-Bromonaphthalene	*38.2*		mg/L	*50.00*		*76*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*45.8*		mg/L	*50.00*		*92*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90306 - 3510C										
Surrogate: O-Terphenyl	*40.8*		ug/L	*50.20*		*81*	*40-140*			
LCS Dup										
2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner ESS Laboratory Work Order: 1906009

Notes and Definitions

Z-06	pH <= 2
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 1906009

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

Shipped/Delivered Via: ESS Courier

ESS Project ID: 1906009
Date Received: 5/31/2019
Project Due Date: 6/7/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 0.8 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / (No)
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	351091	Yes	No	Yes	VOA Vial - HCl	HCl	
01	351092	Yes	No	Yes	VOA Vial - HCl	HCl	
01	351093	Yes	No	Yes	VOA Vial - HCl	HCl	
01	351096	Yes	NA	Yes	1L Amber - HCl	HCl	
01	351097	Yes	NA	Yes	1L Amber - HCl	HCl	
01	351098	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351099	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351100	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351101	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351102	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
02	351094	Yes	NA	Yes	1L Amber - HCl	HCl	
02	351095	Yes	NA	Yes	1L Amber - HCl	HCl	

2nd Review

Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

ESS Project ID: 1906009

By: [signature]

Date Received: 5/31/2019

Reviewed By: [signature]

Date & Time: 5/31/19 2124

Delivered By: [signature]

Date & Time: 5/31/19 2135

5/31/19 2135

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1905009 5/31/19 1906009

Turn Time	5	Days
Regulatory State	Massachusetts	
Is this project for any of the following?:	○ CT RCP ◉ MA MCP ○ RGP	

Reporting Limits: RCGW-1

Electonic Deliverables: ☑ Data Checker ☑ Excel ☑ Other (Please Specify →) ☑ PDF

Company Name	Project #	Project Name
Green Environmental, Inc.	19137	Bliss Corner
Contact Person	**Address**	
Parrish Smolcha	296C Weymouth Street	
City	**State**	**Zip Code** / **PO #**
Rockland	MA	02370 / 8554
Telephone Number	**FAX Number**	**Email Address**
617-479-0550	617-479-5150	psmolcha@greenenvironmental.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOC	PCB	14 MA Metals - dissolved	EPH carbon chains
1	5/30/19	9:05	Grab	Aqueous	MW 12	X	X	X	X	X
2	5/30/19	10:35	Grab	Aqueous	MW 11					X

Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	V	AG	AG	P	AG
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	7	6	6	3	6
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	2	1	1	4	2
										Number of Containers per Sample:		3	2	2	1	2

Laboratory Use Only

Cooler Present: _____ ○ Drop Off
Seals Intact: _____ ◉ Pickup
Cooler Temperature: 0.8 °C ICE RC

Sampled by : P. Smolcha & A. Lucci

Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
5/31/19 1156	5/31/19 1156	5/31/19 1759	5/31/19 2118
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 19F0022

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 11:55 am, Jun 17, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

SAMPLE RECEIPT

The following samples were received on June 03, 2019 for the analyses specified on the enclosed Chain of Custody Record.

To achieve CAM compliance for MCP data, ESS Laboratory has reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All CAM requirements have been performed and achieved unless noted in the project narrative.

Each method has been set-up in the laboratory to reach required MCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes. The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Limit Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

SVOA Analysis: Sample "MW14" (ESS# 19F0022-04) was re-extracted to confirm bis(2-ethylhexyl)phthalate. This analyte was not detected in the re-extract. The re-extract was prepared outside of the 7 day hold time. Both data sets have been reported.

Lab Number	Sample Name	Matrix	Analysis
19F0022-01	MW1	Aqueous	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0022-02	MW5	Aqueous	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0022-03	MW7	Aqueous	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0022-04	MW14	Aqueous	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0022-05	MW11	Aqueous	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM
19F0022-06	MW2	Aqueous	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

PROJECT NARRATIVE

8260B Volatile Organic Compounds

C9F0063-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
1,4-Dioxane - Screen (40% @ 20%)

C9F0063-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Chloromethane (22% @ 20%), Hexachloroethane (23% @ 20%), Tetrachloroethene (29% @ 20%)

8270D Semi-Volatile Organic Compounds

19F0022-04RE1 **Estimated value. Sample hold times were exceeded (H).**

C9F0101-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2-Chloronaphthalene (28% @ 20%)

C9F0101-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (22% @ 20%)

8270D(SIM) Semi-Volatile Organic Compounds

19F0022-04RE1 **Estimated value. Sample hold times were exceeded (H).**

C9F0164-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Pentachlorophenol (31% @ 20%)

C9F0164-TUN1 **DDT breakdown > 20%**

C9F0217-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Pentachlorophenol (24% @ 20%)

C9F0217-TUN1 **Benzidine tailing factor >2.**

C9F0217-TUN1 **Pentachlorophenol tailing factor > 2.**

C9F0218-TUN1 **Benzidine tailing factor >2.**

C9F0218-TUN1 **Pentachlorophenol tailing factor > 2.**

MADEP-EPH Extractable Petroleum Hydrocarbons

C9F0074-CCV2 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzo(g,h,i)perylene (51% @ 20%), Dibenzo(a,h)Anthracene (38% @ 20%), Indeno(1,2,3-cd)Pyrene (44% @ 20%)

C9F0097-CCV2 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzo(g,h,i)perylene (45% @ 20%), Dibenzo(a,h)Anthracene (36% @ 20%), Indeno(1,2,3-cd)Pyrene (39% @ 20%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

MassDEP Analytical Protocol Certification Form

MADEP RTN: _____

This form provides certification for the following data set: **19F0022-01 through 19F0022-06RE1**

Matrices: (X) Ground Water/Surface Water ( ) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other:_____

CAM Protocol (check all that apply below):

(X) 8260 VOC CAM II A	(X) 7470/7471 Hg CAM III B	( ) MassDEP VPH (GC/PID/FID) CAM IV A	(X) 8082 PCB CAM V A	( ) 9014 Total Cyanide/PAC CAM VI A	( ) 6860 Perchlorate CAM VIII B
(X) 8270 SVOC CAM II B	(X) 7010 Metals CAM III C	( ) MassDEP VPH (GC/MS) CAM IV C	( ) 8081 Pesticides CAM V B	( ) 7196 Hex Cr CAM VI B	( ) MassDEP APH CAM IX A
(X) 6010 Metals CAM III A	(X) 6020 Metals CAM III D	(X) MassDEP EPH CAM IV B	( ) 8151 Herbicides CAM V C	( ) Explosives CAM VIII A	( ) TO-15 VOC CAM IX B

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	Yes (X) No ( )
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	Yes (X) No ( )
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	Yes (X) No ( )
D	Does the laboratory report comply with all the reporting requirements specified in the CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No ( )
E	VPH, EPH, APH and TO-15 only: a. Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	Yes ( ) No ( )
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	Yes (X) No ( )

Responses to Questions G, H and I below are required for "'Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols(s)?	Yes (X) No ( )*
	***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**	
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	Yes ( ) No (X)*
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	Yes (X) No ( )*

All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Laurel Stoddard Date: June 17, 2019

Printed Name: Laurel Stoddard Position: Laboratory Director

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 16:15	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 18:46	10	10	CF90539
Barium	**125** (50.0)		6010C		1	KJK	06/08/19 12:38	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 12:38	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 16:15	10	10	CF90539
Chromium	**4.2** (0.2)		6020A		1	ICPMS	06/05/19 16:15	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 16:15	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 10:52	20	40	CF90552
Nickel	**7.6** (1.0)		6020A		1	ICPMS	06/05/19 16:15	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 21:51	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/08/19 12:38	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 16:15	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 12:38	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 12:38	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 15:55		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 15:55		CF90501

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*81 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*79 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*66 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*71 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 13:14	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 13:14	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 13:14		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*101 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*97 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,4-Dimethylphenol	ND (50.5)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,4-Dinitrophenol	ND (50.5)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2-Chloronaphthalene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2-Chlorophenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2-Methylphenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
2-Nitrophenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (20.2)		8270D		1	06/07/19 17:49	C9F0101	CF90512
3+4-Methylphenol	ND (20.2)		8270D		1	06/07/19 17:49	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
4-Chloroaniline	ND (20.2)		8270D		1	06/07/19 17:49	C9F0101	CF90512
4-Nitrophenol	ND (50.5)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Acetophenone	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Aniline	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Azobenzene	ND (20.2)		8270D		1	06/07/19 17:49	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (6.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Butylbenzylphthalate	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Dibenzofuran	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Diethylphthalate	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Dimethylphthalate	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Di-n-butylphthalate	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Hexachlorobutadiene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Hexachloroethane	ND (5.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Isophorone	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Nitrobenzene	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512
Phenol	ND (10.1)		8270D		1	06/07/19 17:49	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*79 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*76 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*15-110*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: Phenol-d6	*82 %*		*15-110*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 990
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Naphthalene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Pentachlorophenol	ND (0.91)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/11/19 18:42	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW1
Date Sampled: 05/31/19 11:00
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-01
Sample Matrix: Aqueous
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 14:24	C9F0021	CF90401
C19-C36 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 14:24	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (99.0)		EPH8270		1	ZLC	06/06/19 15:23	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (99.0)		EPH8270			ZLC	06/06/19 15:23		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*81 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*100 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*104 %*		*40-140*
Surrogate: O-Terphenyl	*91 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 16:33	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 18:52	10	10	CF90539
Barium	**113** (50.0)		6010C		1	KJK	06/08/19 12:42	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 12:42	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 16:33	10	10	CF90539
Chromium	**5.5** (0.2)		6020A		1	ICPMS	06/05/19 16:33	10	10	CF90539
Lead	**10.5** (1.0)		6020A		1	NAR	06/05/19 16:33	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:02	20	40	CF90552
Nickel	**9.4** (1.0)		6020A		1	ICPMS	06/05/19 16:33	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 21:56	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/08/19 12:42	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 16:33	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 12:42	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 12:42	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 16:14		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 16:14		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*69 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*66 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*74 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*79 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 13:41	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 13:41	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 13:41		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*95 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
1,2-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
1,3-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
1,4-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,4-Dichlorophenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,4-Dimethylphenol	ND (49.5)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,4-Dinitrophenol	ND (49.5)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,4-Dinitrotoluene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2,6-Dinitrotoluene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2-Chloronaphthalene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2-Chlorophenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2-Methylphenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
2-Nitrophenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (19.8)		8270D		1	06/07/19 18:17	C9F0101	CF90512
3+4-Methylphenol	ND (19.8)		8270D		1	06/07/19 18:17	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
4-Chloroaniline	ND (19.8)		8270D		1	06/07/19 18:17	C9F0101	CF90512
4-Nitrophenol	ND (49.5)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Acetophenone	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Aniline	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Azobenzene	ND (19.8)		8270D		1	06/07/19 18:17	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (5.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Butylbenzylphthalate	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Dibenzofuran	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Diethylphthalate	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Dimethylphthalate	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Di-n-butylphthalate	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Hexachlorobutadiene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Hexachloroethane	ND (5.0)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Isophorone	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Nitrobenzene	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
N-Nitrosodimethylamine	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512
Phenol	ND (9.9)		8270D		1	06/07/19 18:17	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*67 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*76 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*74 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*68 %*		*15-110*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: Phenol-d6	*81 %*		*15-110*
Surrogate: p-Terphenyl-d14	*73 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Benzo(a)anthracene	**0.05** (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Benzo(b)fluoranthene	**0.05** (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Naphthalene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Pentachlorophenol	ND (0.89)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/11/19 19:31	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW5
Date Sampled: 05/31/19 12:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-02
Sample Matrix: Aqueous
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 15:11	C9F0021	CF90401
C19-C36 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 15:11	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (99.0)		EPH8270		1	ZLC	06/06/19 16:06	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (99.0)		EPH8270			ZLC	06/06/19 16:06		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*70 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*107 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*107 %*		*40-140*
Surrogate: O-Terphenyl	*95 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 16:39	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 18:57	10	10	CF90539
Barium	**70.0** (50.0)		6010C		1	KJK	06/08/19 12:47	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 12:47	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 16:39	10	10	CF90539
Chromium	**3.1** (0.2)		6020A		1	ICPMS	06/05/19 16:39	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 16:39	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:16	20	40	CF90552
Nickel	**1.7** (1.0)		6020A		1	ICPMS	06/05/19 16:39	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 22:02	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/08/19 12:47	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 16:39	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 12:47	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 12:47	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 16:33		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 16:33		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*74 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*74 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 14:08	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 14:08	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 14:08		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*95 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 1030
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
1,2-Dichlorobenzene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
1,3-Dichlorobenzene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
1,4-Dichlorobenzene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,4-Dichlorophenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,4-Dimethylphenol	ND (48.5)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,4-Dinitrophenol	ND (48.5)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,4-Dinitrotoluene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2,6-Dinitrotoluene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2-Chloronaphthalene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2-Chlorophenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2-Methylphenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
2-Nitrophenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (19.4)		8270D		1	06/07/19 18:45	C9F0101	CF90512
3+4-Methylphenol	ND (19.4)		8270D		1	06/07/19 18:45	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
4-Chloroaniline	ND (19.4)		8270D		1	06/07/19 18:45	C9F0101	CF90512
4-Nitrophenol	ND (48.5)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Acetophenone	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Aniline	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Azobenzene	ND (19.4)		8270D		1	06/07/19 18:45	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (5.8)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Butylbenzylphthalate	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Dibenzofuran	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Diethylphthalate	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Dimethylphthalate	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Di-n-butylphthalate	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 1030
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Hexachlorobutadiene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Hexachloroethane	ND (4.9)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Isophorone	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Nitrobenzene	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
N-Nitrosodimethylamine	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512
Phenol	ND (9.7)		8270D		1	06/07/19 18:45	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*74 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*65 %*		*15-110*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*15-110*
Surrogate: p-Terphenyl-d14	*61 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 1030
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Acenaphthene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Acenaphthylene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Anthracene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Benzo(a)anthracene	**0.13** (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Benzo(a)pyrene	**0.09** (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Benzo(b)fluoranthene	**0.19** (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Benzo(k)fluoranthene	**0.06** (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Chrysene	**0.15** (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Fluoranthene	**0.36** (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Fluorene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Hexachlorobenzene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	**0.11** (0.05)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Naphthalene	ND (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Pentachlorophenol	ND (0.87)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Phenanthrene	**0.20** (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512
Pyrene	**0.31** (0.19)		8270D SIM		1	06/11/19 22:44	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW7
Date Sampled: 05/31/19 13:40
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-03
Sample Matrix: Aqueous
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 15:58	C9F0021	CF90401
C19-C36 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 15:58	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (99.0)		EPH8270		1	ZLC	06/06/19 16:49	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (99.0)		EPH8270			ZLC	06/06/19 16:49		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*79 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*107 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*107 %*		*40-140*
Surrogate: O-Terphenyl	*90 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 16:45	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:03	10	10	CF90539
Barium	ND (50.0)		6010C		1	KJK	06/08/19 13:03	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 13:03	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 16:45	10	10	CF90539
Chromium	**2.2** (0.2)		6020A		1	ICPMS	06/05/19 16:45	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 16:45	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:18	20	40	CF90552
Nickel	**5.2** (1.0)		6020A		1	ICPMS	06/05/19 16:45	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 22:09	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/08/19 13:03	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 16:45	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 13:03	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 13:03	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 1000
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 16:52		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 16:52		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*73 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*71 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*75 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 14:34	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 14:34	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 14:34		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*97 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 940
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,4-Dimethylphenol	ND (53.2)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,4-Dinitrophenol	ND (53.2)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2-Chloronaphthalene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2-Chlorophenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2-Methylphenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
2-Nitrophenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (21.3)		8270D		1	06/07/19 19:14	C9F0101	CF90512
3+4-Methylphenol	ND (21.3)		8270D		1	06/07/19 19:14	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
4-Chloroaniline	ND (21.3)		8270D		1	06/07/19 19:14	C9F0101	CF90512
4-Nitrophenol	ND (53.2)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Acetophenone	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Aniline	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Azobenzene	ND (21.3)		8270D		1	06/07/19 19:14	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	**13.3** (6.4)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Butylbenzylphthalate	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Dibenzofuran	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Diethylphthalate	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Dimethylphthalate	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Di-n-butylphthalate	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 940
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Hexachlorobutadiene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Hexachloroethane	ND (5.3)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Isophorone	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Nitrobenzene	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512
Phenol	ND (10.6)		8270D		1	06/07/19 19:14	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*78 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*15-110*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: Phenol-d6	*82 %*		*15-110*
Surrogate: p-Terphenyl-d14	*85 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 940
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Acenaphthene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Acenaphthylene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Anthracene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Benzo(a)anthracene	**0.07** (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Benzo(b)fluoranthene	**0.08** (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Chrysene	**0.07** (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Fluoranthene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Fluorene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Naphthalene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Pentachlorophenol	ND (0.96)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Phenanthrene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512
Pyrene	ND (0.21)		8270D SIM		1	06/11/19 23:32	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04
Sample Matrix: Aqueous
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 16:45	C9F0021	CF90401
C19-C36 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/06/19 16:45	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (99.0)		EPH8270		1	ZLC	06/06/19 18:00	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (99.0)		EPH8270			ZLC	06/06/19 18:00		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*71 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*111 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*106 %*		*40-140*
Surrogate: O-Terphenyl	*97 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 980
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04RE1
Sample Matrix: Aqueous
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
1,2-Dichlorobenzene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
1,3-Dichlorobenzene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
1,4-Dichlorobenzene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,4,5-Trichlorophenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,4,6-Trichlorophenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,4-Dichlorophenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,4-Dimethylphenol	ND (51.0)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,4-Dinitrophenol	ND (51.0)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,4-Dinitrotoluene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2,6-Dinitrotoluene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2-Chloronaphthalene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2-Chlorophenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2-Methylphenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
2-Nitrophenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
3,3´-Dichlorobenzidine	ND (20.4)		8270D		1	06/13/19 18:04	C9F0191	CF91228
3+4-Methylphenol	ND (20.4)		8270D		1	06/13/19 18:04	C9F0191	CF91228
4-Bromophenyl-phenylether	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
4-Chloroaniline	ND (20.4)		8270D		1	06/13/19 18:04	C9F0191	CF91228
4-Nitrophenol	ND (51.0)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Acetophenone	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Aniline	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Azobenzene	ND (20.4)		8270D		1	06/13/19 18:04	C9F0191	CF91228
bis(2-Chloroethoxy)methane	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
bis(2-Chloroethyl)ether	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
bis(2-chloroisopropyl)Ether	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
bis(2-Ethylhexyl)phthalate	ND (6.1)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Butylbenzylphthalate	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Dibenzofuran	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Diethylphthalate	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Dimethylphthalate	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Di-n-butylphthalate	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 980
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04RE1
Sample Matrix: Aqueous
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Hexachlorobutadiene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Hexachloroethane	ND (5.1)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Isophorone	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Nitrobenzene	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
N-Nitrosodimethylamine	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228
Phenol	ND (10.2)		8270D		1	06/13/19 18:04	C9F0191	CF91228

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*73 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*79 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*74 %*		*15-110*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: Phenol-d6	*88 %*		*15-110*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW14
Date Sampled: 05/31/19 15:00
Percent Solids: N/A
Initial Volume: 980
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-04RE1
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/12/19 17:05

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Acenaphthene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Acenaphthylene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Anthracene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Benzo(a)anthracene	**0.09** (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Benzo(a)pyrene	**0.08** (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Benzo(b)fluoranthene	**0.11** (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Chrysene	**0.11** (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Fluoranthene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Fluorene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Indeno(1,2,3-cd)Pyrene	**0.06** (0.05)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Naphthalene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Pentachlorophenol	ND (0.92)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Phenanthrene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228
Pyrene	ND (0.20)		8270D SIM		1	06/14/19 3:53	C9F0218	CF91228

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 16:50	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:20	10	10	CF90539
Barium	ND (50.0)		6010C		1	KJK	06/08/19 13:07	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 13:07	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 16:50	10	10	CF90539
Chromium	**2.7** (0.2)		6020A		1	ICPMS	06/05/19 16:50	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 16:50	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:20	20	40	CF90552
Nickel	**6.6** (1.0)		6020A		1	ICPMS	06/05/19 16:50	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 22:14	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/08/19 13:07	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 16:50	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 13:07	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 13:07	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 17:12		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 17:12		CF90501

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*85 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*84 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*85 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 15:01	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 15:01	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 15:01		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*96 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
1,2-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
1,3-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
1,4-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,4-Dichlorophenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,4-Dimethylphenol	ND (49.5)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,4-Dinitrophenol	ND (49.5)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,4-Dinitrotoluene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2,6-Dinitrotoluene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2-Chloronaphthalene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2-Chlorophenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2-Methylphenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
2-Nitrophenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (19.8)		8270D		1	06/07/19 19:42	C9F0101	CF90512
3+4-Methylphenol	ND (19.8)		8270D		1	06/07/19 19:42	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
4-Chloroaniline	ND (19.8)		8270D		1	06/07/19 19:42	C9F0101	CF90512
4-Nitrophenol	ND (49.5)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Acetophenone	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Aniline	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Azobenzene	ND (19.8)		8270D		1	06/07/19 19:42	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (5.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Butylbenzylphthalate	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Dibenzofuran	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Diethylphthalate	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Dimethylphthalate	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Di-n-butylphthalate	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Hexachlorobutadiene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Hexachloroethane	ND (5.0)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Isophorone	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Nitrobenzene	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
N-Nitrosodimethylamine	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512
Phenol	ND (9.9)		8270D		1	06/07/19 19:42	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*34 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*34 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*11 %*		*15-110*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: Phenol-d6	*17 %*		*15-110*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW11
Date Sampled: 05/31/19 08:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-05
Sample Matrix: Aqueous
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Naphthalene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Pentachlorophenol	**3.08** (0.89)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/12/19 0:20	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 16:56	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:25	10	10	CF90539
Barium	**106** (50.0)		6010C		1	KJK	06/08/19 13:12	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/08/19 13:12	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 16:56	10	10	CF90539
Chromium	**11.2** (0.2)		6020A		1	ICPMS	06/05/19 16:56	10	10	CF90539
Lead	**9.9** (1.0)		6020A		1	NAR	06/05/19 16:56	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:22	20	40	CF90552
Nickel	**15.4** (1.0)		6020A		1	ICPMS	06/05/19 16:56	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 22:32	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/08/19 13:12	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 16:56	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/08/19 13:12	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/08/19 13:12	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 17:31		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 17:31		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*65 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*64 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*66 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*71 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 15:28	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 15:28	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 15:28		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*97 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
1,2-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
1,3-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
1,4-Dichlorobenzene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,4-Dichlorophenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,4-Dimethylphenol	ND (49.5)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,4-Dinitrophenol	ND (49.5)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,4-Dinitrotoluene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2,6-Dinitrotoluene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2-Chloronaphthalene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2-Chlorophenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2-Methylphenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
2-Nitrophenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (19.8)		8270D		1	06/07/19 20:10	C9F0101	CF90512
3+4-Methylphenol	ND (19.8)		8270D		1	06/07/19 20:10	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
4-Chloroaniline	ND (19.8)		8270D		1	06/07/19 20:10	C9F0101	CF90512
4-Nitrophenol	ND (49.5)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Acetophenone	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Aniline	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Azobenzene	ND (19.8)		8270D		1	06/07/19 20:10	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (5.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Butylbenzylphthalate	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Dibenzofuran	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Diethylphthalate	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Dimethylphthalate	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Di-n-butylphthalate	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Hexachlorobutadiene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Hexachloroethane	ND (5.0)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Isophorone	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Nitrobenzene	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
N-Nitrosodimethylamine	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512
Phenol	ND (9.9)		8270D		1	06/07/19 20:10	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*86 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*80 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*15-110*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: Phenol-d6	*87 %*		*15-110*
Surrogate: p-Terphenyl-d14	*71 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Naphthalene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Pentachlorophenol	ND (0.89)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/12/19 14:23	C9F0164	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW2
Date Sampled: 05/31/19 09:20
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0022
ESS Laboratory Sample ID: 19F0022-06
Sample Matrix: Aqueous
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/06/19 17:31	C9F0021	CF90401
C19-C36 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/06/19 17:31	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (98.0)		EPH8270		1	ZLC	06/06/19 18:43	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (98.0)		EPH8270			ZLC	06/06/19 18:43		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*83 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*108 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*107 %*		*40-140*
Surrogate: O-Terphenyl	*97 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Dissolved Metals										
Batch CF90539 - 200.7/6010BNoDigest										
Blank										
Antimony	ND	1.0	ug/L							
Arsenic	ND	5.0	ug/L							
Barium	ND	50.0	ug/L							
Beryllium	ND	1.0	ug/L							
Cadmium	ND	1.0	ug/L							
Chromium	ND	0.2	ug/L							
Lead	ND	1.0	ug/L							
Nickel	ND	1.0	ug/L							
Selenium	ND	10.0	ug/L							
Silver	ND	5.0	ug/L							
Thallium	ND	1.0	ug/L							
Vanadium	ND	20.0	ug/L							
Zinc	ND	50.0	ug/L							
LCS										
Barium	0.5		mg/L	0.5000		101	80-120			
Beryllium	0.05		mg/L	0.05000		100	80-120			
Silver	0.3		mg/L	0.2500		102	80-120			
Vanadium	0.5		mg/L	0.5000		101	80-120			
Zinc	0.5		mg/L	0.5000		102	80-120			
LCS										
Antimony	20.0		ug/L	20.04		100	80-120			
Cadmium	19.0		ug/L	20.10		94	80-120			
Chromium	20.3		ug/L	20.06		101	80-120			
Lead	19.6		ug/L	19.98		98	80-120			
Nickel	19.9		ug/L	20.04		99	80-120			
Thallium	19.3		ug/L	20.02		96	80-120			
LCS										
Arsenic	25.0		ug/L	25.00		100	80-120			
Selenium	49.8		ug/L	50.00		100	80-120			
Batch CF90552 - 245.1/7470A										
Blank										
Mercury	ND	0.20	ug/L							
LCS										
Mercury	5.98	0.20	ug/L	6.042		99	80-120			
LCS Dup										
Mercury	6.05	0.20	ug/L	6.042		100	80-120	1	20	
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90501 - 3510C										
Blank										
Aroclor 1016	ND	0.05	ug/L							
Aroclor 1016 [2C]	ND	0.05	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90501 - 3510C										
Aroclor 1221	ND	0.05	ug/L							
Aroclor 1221 [2C]	ND	0.05	ug/L							
Aroclor 1232	ND	0.05	ug/L							
Aroclor 1232 [2C]	ND	0.05	ug/L							
Aroclor 1242	ND	0.05	ug/L							
Aroclor 1242 [2C]	ND	0.05	ug/L							
Aroclor 1248	ND	0.05	ug/L							
Aroclor 1248 [2C]	ND	0.05	ug/L							
Aroclor 1254	ND	0.05	ug/L							
Aroclor 1254 [2C]	ND	0.05	ug/L							
Aroclor 1260	ND	0.05	ug/L							
Aroclor 1260 [2C]	ND	0.05	ug/L							
Aroclor 1262	ND	0.05	ug/L							
Aroclor 1262 [2C]	ND	0.05	ug/L							
Aroclor 1268	ND	0.05	ug/L							
Aroclor 1268 [2C]	ND	0.05	ug/L							
Surrogate: Decachlorobiphenyl	*0.0396*		ug/L	*0.05000*		*79*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0383*		ug/L	*0.05000*		*77*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0335*		ug/L	*0.05000*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0358*		ug/L	*0.05000*		*72*	*30-150*			
LCS										
Aroclor 1016	1.08	0.10	ug/L	1.000		108	40-140			
Aroclor 1016 [2C]	1.01	0.10	ug/L	1.000		101	40-140			
Aroclor 1260	0.94	0.10	ug/L	1.000		94	40-140			
Aroclor 1260 [2C]	0.97	0.10	ug/L	1.000		97	40-140			
Surrogate: Decachlorobiphenyl	*0.0480*		ug/L	*0.05000*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0465*		ug/L	*0.05000*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0402*		ug/L	*0.05000*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0401*		ug/L	*0.05000*		*80*	*30-150*			
LCS Dup										
Aroclor 1016	1.04	0.10	ug/L	1.000		104	40-140	3	20	
Aroclor 1016 [2C]	0.97	0.10	ug/L	1.000		97	40-140	4	20	
Aroclor 1260	0.94	0.10	ug/L	1.000		94	40-140	0.2	20	
Aroclor 1260 [2C]	0.97	0.10	ug/L	1.000		97	40-140	0.6	20	
Surrogate: Decachlorobiphenyl	*0.0476*		ug/L	*0.05000*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0463*		ug/L	*0.05000*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0380*		ug/L	*0.05000*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0376*		ug/L	*0.05000*		*75*	*30-150*			
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Blank										

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
1,1-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	1.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	1.0	ug/L							
1,2,4-Trimethylbenzene	ND	1.0	ug/L							
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
1,2-Dichlorobenzene	ND	1.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
1,3,5-Trimethylbenzene	ND	1.0	ug/L							
1,3-Dichlorobenzene	ND	1.0	ug/L							
1,3-Dichloropropane	ND	1.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
1,4-Dioxane - Screen	ND	500	ug/L							
2,2-Dichloropropane	ND	1.0	ug/L							
2-Butanone	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.0	ug/L							
2-Hexanone	ND	10.0	ug/L							
4-Chlorotoluene	ND	1.0	ug/L							
4-Isopropyltoluene	ND	1.0	ug/L							
4-Methyl-2-Pentanone	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.0	ug/L							
Bromobenzene	ND	2.0	ug/L							
Bromochloromethane	ND	1.0	ug/L							
Bromodichloromethane	ND	0.6	ug/L							
Bromoform	ND	1.0	ug/L							
Bromomethane	ND	2.0	ug/L							
Carbon Disulfide	ND	1.0	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	1.0	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	1.0	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	0.4	ug/L							
Dibromochloromethane	ND	1.0	ug/L							
Dibromomethane	ND	1.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Dichlorodifluoromethane	ND	2.0	ug/L							
Diethyl Ether	ND	1.0	ug/L							
Di-isopropyl ether	ND	1.0	ug/L							
Ethyl tertiary-butyl ether	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Hexachlorobutadiene	ND	0.6	ug/L							
Hexachloroethane	ND	1.0	ug/L							
Isopropylbenzene	ND	1.0	ug/L							
Methyl tert-Butyl Ether	ND	1.0	ug/L							
Methylene Chloride	ND	2.0	ug/L							
Naphthalene	ND	1.0	ug/L							
n-Butylbenzene	ND	1.0	ug/L							
n-Propylbenzene	ND	1.0	ug/L							
sec-Butylbenzene	ND	1.0	ug/L							
Styrene	ND	1.0	ug/L							
tert-Butylbenzene	ND	1.0	ug/L							
Tertiary-amyl methyl ether	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Tetrahydrofuran	ND	5.0	ug/L							
Toluene	ND	1.0	ug/L							
trans-1,2-Dichloroethene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	0.4	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylene O	ND	1.0	ug/L							
Xylene P,M	ND	2.0	ug/L							
Surrogate: 1,2-Dichloroethane-d4	*25.8*		ug/L	*25.00*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.3*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*22.9*		ug/L	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*24.3*		ug/L	*25.00*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	8.4		ug/L	10.00		84	70-130			
1,1,1-Trichloroethane	9.5		ug/L	10.00		95	70-130			
1,1,2,2-Tetrachloroethane	9.4		ug/L	10.00		94	70-130			
1,1,2-Trichloroethane	9.5		ug/L	10.00		95	70-130			
1,1-Dichloroethane	10.0		ug/L	10.00		100	70-130			
1,1-Dichloroethene	9.9		ug/L	10.00		99	70-130			
1,1-Dichloropropene	10.5		ug/L	10.00		105	70-130			
1,2,3-Trichlorobenzene	9.7		ug/L	10.00		97	70-130			
1,2,3-Trichloropropane	9.3		ug/L	10.00		93	70-130			
1,2,4-Trichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,2,4-Trimethylbenzene	10.1		ug/L	10.00		101	70-130			
1,2-Dibromo-3-Chloropropane	10.2		ug/L	10.00		102	70-130			
1,2-Dibromoethane	9.8		ug/L	10.00		98	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
1,2-Dichlorobenzene	9.3		ug/L	10.00		93	70-130			
1,2-Dichloroethane	11.0		ug/L	10.00		110	70-130			
1,2-Dichloropropane	8.8		ug/L	10.00		88	70-130			
1,3,5-Trimethylbenzene	9.9		ug/L	10.00		99	70-130			
1,3-Dichlorobenzene	9.2		ug/L	10.00		92	70-130			
1,3-Dichloropropane	10.5		ug/L	10.00		105	70-130			
1,4-Dichlorobenzene	9.3		ug/L	10.00		93	70-130			
1,4-Dioxane - Screen	17.2		ug/L	200.0		9	0-332			
2,2-Dichloropropane	10.8		ug/L	10.00		108	70-130			
2-Butanone	46.5		ug/L	50.00		93	70-130			
2-Chlorotoluene	9.6		ug/L	10.00		96	70-130			
2-Hexanone	45.5		ug/L	50.00		91	70-130			
4-Chlorotoluene	9.8		ug/L	10.00		98	70-130			
4-Isopropyltoluene	9.6		ug/L	10.00		96	70-130			
4-Methyl-2-Pentanone	54.5		ug/L	50.00		109	70-130			
Acetone	52.2		ug/L	50.00		104	70-130			
Benzene	10.4		ug/L	10.00		104	70-130			
Bromobenzene	9.6		ug/L	10.00		96	70-130			
Bromochloromethane	10.4		ug/L	10.00		104	70-130			
Bromodichloromethane	9.5		ug/L	10.00		95	70-130			
Bromoform	9.2		ug/L	10.00		92	70-130			
Bromomethane	8.8		ug/L	10.00		88	70-130			
Carbon Disulfide	9.9		ug/L	10.00		99	70-130			
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130			
Chlorobenzene	10.1		ug/L	10.00		101	70-130			
Chloroethane	9.2		ug/L	10.00		92	70-130			
Chloroform	10.5		ug/L	10.00		105	70-130			
Chloromethane	9.2		ug/L	10.00		92	70-130			
cis-1,2-Dichloroethene	10.0		ug/L	10.00		100	70-130			
cis-1,3-Dichloropropene	10.4		ug/L	10.00		104	70-130			
Dibromochloromethane	7.4		ug/L	10.00		74	70-130			
Dibromomethane	10.1		ug/L	10.00		101	70-130			
Dichlorodifluoromethane	10.5		ug/L	10.00		105	70-130			
Diethyl Ether	9.9		ug/L	10.00		99	70-130			
Di-isopropyl ether	9.5		ug/L	10.00		95	70-130			
Ethyl tertiary-butyl ether	10.0		ug/L	10.00		100	70-130			
Ethylbenzene	10.1		ug/L	10.00		101	70-130			
Hexachlorobutadiene	10.6		ug/L	10.00		106	70-130			
Hexachloroethane	9.8		ug/L	10.00		98	70-130			
Isopropylbenzene	9.2		ug/L	10.00		92	70-130			
Methyl tert-Butyl Ether	11.4		ug/L	10.00		114	70-130			
Methylene Chloride	10.2		ug/L	10.00		102	70-130			
Naphthalene	10.6		ug/L	10.00		106	70-130			
n-Butylbenzene	9.8		ug/L	10.00		98	70-130			
n-Propylbenzene	9.6		ug/L	10.00		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
sec-Butylbenzene	9.9		ug/L	10.00		99	70-130			
Styrene	9.6		ug/L	10.00		96	70-130			
tert-Butylbenzene	9.7		ug/L	10.00		97	70-130			
Tertiary-amyl methyl ether	10.8		ug/L	10.00		108	70-130			
Tetrachloroethene	7.1		ug/L	10.00		71	70-130			
Tetrahydrofuran	9.9		ug/L	10.00		99	70-130			
Toluene	10.2		ug/L	10.00		102	70-130			
trans-1,2-Dichloroethene	9.9		ug/L	10.00		99	70-130			
trans-1,3-Dichloropropene	9.9		ug/L	10.00		99	70-130			
Trichloroethene	9.9		ug/L	10.00		99	70-130			
Trichlorofluoromethane	10.7		ug/L	10.00		107	70-130			
Vinyl Chloride	10.8		ug/L	10.00		108	70-130			
Xylene O	9.4		ug/L	10.00		94	70-130			
Xylene P,M	19.6		ug/L	20.00		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.2*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.9*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*23.7*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*23.9*		ug/L	*25.00*		*96*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	9.0		ug/L	10.00		90	70-130	8	20	
1,1,1-Trichloroethane	10.1		ug/L	10.00		101	70-130	6	20	
1,1,2,2-Tetrachloroethane	9.8		ug/L	10.00		98	70-130	3	20	
1,1,2-Trichloroethane	10.4		ug/L	10.00		104	70-130	9	20	
1,1-Dichloroethane	10.2		ug/L	10.00		102	70-130	2	20	
1,1-Dichloroethene	10.6		ug/L	10.00		106	70-130	7	20	
1,1-Dichloropropene	10.7		ug/L	10.00		107	70-130	1	20	
1,2,3-Trichlorobenzene	9.0		ug/L	10.00		90	70-130	7	20	
1,2,3-Trichloropropane	9.7		ug/L	10.00		97	70-130	4	20	
1,2,4-Trichlorobenzene	10.2		ug/L	10.00		102	70-130	2	20	
1,2,4-Trimethylbenzene	10.5		ug/L	10.00		105	70-130	4	20	
1,2-Dibromo-3-Chloropropane	10.3		ug/L	10.00		103	70-130	2	20	
1,2-Dibromoethane	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dichlorobenzene	9.8		ug/L	10.00		98	70-130	5	20	
1,2-Dichloroethane	11.1		ug/L	10.00		111	70-130	0.6	20	
1,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	17	20	
1,3,5-Trimethylbenzene	10.1		ug/L	10.00		101	70-130	2	20	
1,3-Dichlorobenzene	9.6		ug/L	10.00		96	70-130	5	20	
1,3-Dichloropropane	11.2		ug/L	10.00		112	70-130	7	20	
1,4-Dichlorobenzene	9.6		ug/L	10.00		96	70-130	3	20	
1,4-Dioxane - Screen	175		ug/L	200.0		87	0-332	164	200	
2,2-Dichloropropane	11.1		ug/L	10.00		111	70-130	2	20	
2-Butanone	49.1		ug/L	50.00		98	70-130	5	20	
2-Chlorotoluene	9.9		ug/L	10.00		99	70-130	3	20	
2-Hexanone	53.2		ug/L	50.00		106	70-130	16	20	
4-Chlorotoluene	10.3		ug/L	10.00		103	70-130	5	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
4-Isopropyltoluene	10.6		ug/L	10.00		106	70-130	9	20	
4-Methyl-2-Pentanone	56.6		ug/L	50.00		113	70-130	4	20	
Acetone	45.5		ug/L	50.00		91	70-130	14	20	
Benzene	10.2		ug/L	10.00		102	70-130	3	20	
Bromobenzene	10.6		ug/L	10.00		106	70-130	10	20	
Bromochloromethane	10.6		ug/L	10.00		106	70-130	1	20	
Bromodichloromethane	9.5		ug/L	10.00		95	70-130	0.3	20	
Bromoform	9.6		ug/L	10.00		96	70-130	4	20	
Bromomethane	9.0		ug/L	10.00		90	70-130	2	20	
Carbon Disulfide	10.3		ug/L	10.00		103	70-130	4	20	
Carbon Tetrachloride	10.4		ug/L	10.00		104	70-130	4	20	
Chlorobenzene	10.7		ug/L	10.00		107	70-130	5	20	
Chloroethane	9.4		ug/L	10.00		94	70-130	2	20	
Chloroform	10.8		ug/L	10.00		108	70-130	2	20	
Chloromethane	9.7		ug/L	10.00		97	70-130	5	20	
cis-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130	3	20	
cis-1,3-Dichloropropene	10.4		ug/L	10.00		104	70-130	0.3	20	
Dibromochloromethane	8.1		ug/L	10.00		81	70-130	9	20	
Dibromomethane	10.7		ug/L	10.00		107	70-130	5	20	
Dichlorodifluoromethane	10.5		ug/L	10.00		105	70-130	0.5	20	
Diethyl Ether	9.6		ug/L	10.00		96	70-130	3	20	
Di-isopropyl ether	9.6		ug/L	10.00		96	70-130	1	20	
Ethyl tertiary-butyl ether	10.1		ug/L	10.00		101	70-130	0.2	20	
Ethylbenzene	10.7		ug/L	10.00		107	70-130	6	20	
Hexachlorobutadiene	9.9		ug/L	10.00		99	70-130	7	20	
Hexachloroethane	9.9		ug/L	10.00		99	70-130	2	20	
Isopropylbenzene	10.0		ug/L	10.00		100	70-130	8	20	
Methyl tert-Butyl Ether	11.5		ug/L	10.00		115	70-130	0.7	20	
Methylene Chloride	10.4		ug/L	10.00		104	70-130	3	20	
Naphthalene	10.4		ug/L	10.00		104	70-130	2	20	
n-Butylbenzene	10.9		ug/L	10.00		109	70-130	11	20	
n-Propylbenzene	9.9		ug/L	10.00		99	70-130	4	20	
sec-Butylbenzene	10.0		ug/L	10.00		100	70-130	0.7	20	
Styrene	10.4		ug/L	10.00		104	70-130	8	20	
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130	6	20	
Tertiary-amyl methyl ether	10.7		ug/L	10.00		107	70-130	0.4	20	
Tetrachloroethene	7.6		ug/L	10.00		76	70-130	7	20	
Tetrahydrofuran	10.8		ug/L	10.00		108	70-130	9	20	
Toluene	10.5		ug/L	10.00		105	70-130	3	20	
trans-1,2-Dichloroethene	9.7		ug/L	10.00		97	70-130	2	20	
trans-1,3-Dichloropropene	10.4		ug/L	10.00		104	70-130	5	20	
Trichloroethene	9.7		ug/L	10.00		97	70-130	2	20	
Trichlorofluoromethane	10.6		ug/L	10.00		106	70-130	1	20	
Vinyl Chloride	10.2		ug/L	10.00		102	70-130	5	20	
Xylene O	10.2		ug/L	10.00		102	70-130	8	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Xylene P,M	21.5		ug/L	20.00		108	70-130	9	20	
Surrogate: 1,2-Dichloroethane-d4	*24.8*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.8*		ug/L	*25.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*23.7*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.2*		ug/L	*25.00*		*97*	*70-130*			
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*79.3*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*128*		ug/L	*150.0*		*86*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*88.1*		ug/L	*100.0*		*88*	*30-130*			
Surrogate: 2-Fluorophenol	*95.9*		ug/L	*150.0*		*64*	*15-110*			
Surrogate: Nitrobenzene-d5	*85.4*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Phenol-d6	*128*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: p-Terphenyl-d14	*99.2*		ug/L	*100.0*		*99*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	75.4	10.0	ug/L	100.0		75	40-140			
1,2-Dichlorobenzene	72.1	10.0	ug/L	100.0		72	40-140			
1,3-Dichlorobenzene	70.7	10.0	ug/L	100.0		71	40-140			
1,4-Dichlorobenzene	71.0	10.0	ug/L	100.0		71	40-140			
2,4,5-Trichlorophenol	84.9	10.0	ug/L	100.0		85	30-130			
2,4,6-Trichlorophenol	81.7	10.0	ug/L	100.0		82	30-130			
2,4-Dichlorophenol	80.3	10.0	ug/L	100.0		80	30-130			
2,4-Dimethylphenol	68.8	50.0	ug/L	100.0		69	30-130			
2,4-Dinitrophenol	74.8	50.0	ug/L	100.0		75	30-130			
2,4-Dinitrotoluene	98.9	10.0	ug/L	100.0		99	40-140			
2,6-Dinitrotoluene	92.0	10.0	ug/L	100.0		92	40-140			
2-Chloronaphthalene	73.4	10.0	ug/L	100.0		73	40-140			
2-Chlorophenol	67.7	10.0	ug/L	100.0		68	30-130			
2-Methylphenol	73.8	10.0	ug/L	100.0		74	30-130			
2-Nitrophenol	76.2	10.0	ug/L	100.0		76	30-130			
3,3´-Dichlorobenzidine	71.3	20.0	ug/L	100.0		71	40-140			
3+4-Methylphenol	160	20.0	ug/L	200.0		80	30-130			
4-Bromophenyl-phenylether	97.0	10.0	ug/L	100.0		97	40-140			
4-Chloroaniline	73.0	20.0	ug/L	100.0		73	40-140			
4-Nitrophenol	82.9	50.0	ug/L	100.0		83	30-130			
Acetophenone	76.8	10.0	ug/L	100.0		77	40-140			
Aniline	70.0	10.0	ug/L	100.0		70	40-140			
Azobenzene	84.1	20.0	ug/L	100.0		84	40-140			
bis(2-Chloroethoxy)methane	78.8	10.0	ug/L	100.0		79	40-140			
bis(2-Chloroethyl)ether	76.9	10.0	ug/L	100.0		77	40-140			
bis(2-chloroisopropyl)Ether	73.2	10.0	ug/L	100.0		73	40-140			
bis(2-Ethylhexyl)phthalate	99.6	6.0	ug/L	100.0		100	40-140			
Butylbenzylphthalate	95.8	10.0	ug/L	100.0		96	40-140			
Dibenzofuran	84.4	10.0	ug/L	100.0		84	40-140			
Diethylphthalate	94.1	10.0	ug/L	100.0		94	40-140			
Dimethylphthalate	94.2	10.0	ug/L	100.0		94	40-140			
Di-n-butylphthalate	93.1	10.0	ug/L	100.0		93	40-140			
Di-n-octylphthalate	109	10.0	ug/L	100.0		109	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Hexachlorobutadiene	74.1	10.0	ug/L	100.0		74	40-140			
Hexachloroethane	72.0	5.0	ug/L	100.0		72	40-140			
Isophorone	70.9	10.0	ug/L	100.0		71	40-140			
Nitrobenzene	74.7	10.0	ug/L	100.0		75	40-140			
N-Nitrosodimethylamine	64.4	10.0	ug/L	100.0		64	40-140			
Phenol	72.3	10.0	ug/L	100.0		72	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*73.0*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*131*		ug/L	*150.0*		*88*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*108*		ug/L	*150.0*		*72*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.8*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*90.4*		ug/L	*150.0*		*60*	*15-110*			
Surrogate: Nitrobenzene-d5	*78.8*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: Phenol-d6	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: p-Terphenyl-d14	*96.0*		ug/L	*100.0*		*96*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	80.8	10.0	ug/L	100.0		81	40-140	7	20	
1,2-Dichlorobenzene	77.0	10.0	ug/L	100.0		77	40-140	7	20	
1,3-Dichlorobenzene	74.1	10.0	ug/L	100.0		74	40-140	5	20	
1,4-Dichlorobenzene	75.9	10.0	ug/L	100.0		76	40-140	7	20	
2,4,5-Trichlorophenol	81.2	10.0	ug/L	100.0		81	30-130	4	20	
2,4,6-Trichlorophenol	81.3	10.0	ug/L	100.0		81	30-130	0.6	20	
2,4-Dichlorophenol	83.6	10.0	ug/L	100.0		84	30-130	4	20	
2,4-Dimethylphenol	71.4	50.0	ug/L	100.0		71	30-130	4	20	
2,4-Dinitrophenol	78.4	50.0	ug/L	100.0		78	30-130	5	20	
2,4-Dinitrotoluene	94.9	10.0	ug/L	100.0		95	40-140	4	20	
2,6-Dinitrotoluene	89.4	10.0	ug/L	100.0		89	40-140	3	20	
2-Chloronaphthalene	70.7	10.0	ug/L	100.0		71	40-140	4	20	
2-Chlorophenol	73.6	10.0	ug/L	100.0		74	30-130	8	20	
2-Methylphenol	77.4	10.0	ug/L	100.0		77	30-130	5	20	
2-Nitrophenol	82.1	10.0	ug/L	100.0		82	30-130	8	20	
3,3´-Dichlorobenzidine	74.6	20.0	ug/L	100.0		75	40-140	4	20	
3+4-Methylphenol	167	20.0	ug/L	200.0		84	30-130	4	20	
4-Bromophenyl-phenylether	96.1	10.0	ug/L	100.0		96	40-140	1	20	
4-Chloroaniline	74.1	20.0	ug/L	100.0		74	40-140	2	20	
4-Nitrophenol	81.2	50.0	ug/L	100.0		81	30-130	2	20	
Acetophenone	81.6	10.0	ug/L	100.0		82	40-140	6	20	
Aniline	74.4	10.0	ug/L	100.0		74	40-140	6	20	
Azobenzene	90.4	20.0	ug/L	100.0		90	40-140	7	20	
bis(2-Chloroethoxy)methane	82.3	10.0	ug/L	100.0		82	40-140	4	20	
bis(2-Chloroethyl)ether	83.2	10.0	ug/L	100.0		83	40-140	8	20	
bis(2-chloroisopropyl)Ether	79.3	10.0	ug/L	100.0		79	40-140	8	20	
bis(2-Ethylhexyl)phthalate	103	6.0	ug/L	100.0		103	40-140	3	20	
Butylbenzylphthalate	95.9	10.0	ug/L	100.0		96	40-140	0.05	20	
Dibenzofuran	83.1	10.0	ug/L	100.0		83	40-140	1	20	
Diethylphthalate	91.6	10.0	ug/L	100.0		92	40-140	3	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Dimethylphthalate	93.4	10.0	ug/L	100.0		93	40-140	0.9	20	
Di-n-butylphthalate	95.9	10.0	ug/L	100.0		96	40-140	3	20	
Di-n-octylphthalate	102	10.0	ug/L	100.0		102	40-140	7	20	
Hexachlorobutadiene	80.4	10.0	ug/L	100.0		80	40-140	8	20	
Hexachloroethane	76.6	5.0	ug/L	100.0		77	40-140	6	20	
Isophorone	75.1	10.0	ug/L	100.0		75	40-140	6	20	
Nitrobenzene	80.6	10.0	ug/L	100.0		81	40-140	8	20	
N-Nitrosodimethylamine	71.7	10.0	ug/L	100.0		72	40-140	11	20	
Phenol	76.9	10.0	ug/L	100.0		77	30-130	6	20	
Surrogate: 1,2-Dichlorobenzene-d4	*79.3*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*128*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*117*		ug/L	*150.0*		*78*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*82.4*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*100*		ug/L	*150.0*		*67*	*15-110*			
Surrogate: Nitrobenzene-d5	*84.8*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Phenol-d6	*124*		ug/L	*150.0*		*83*	*15-110*			
Surrogate: p-Terphenyl-d14	*99.9*		ug/L	*100.0*		*100*	*30-130*			
Batch CF91228 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*73.1*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*111*		ug/L	*150.0*		*74*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*114*		ug/L	*150.0*		*76*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*69.6*		ug/L	*100.0*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*95.4*		ug/L	*150.0*		*64*	*15-110*			
Surrogate: Nitrobenzene-d5	*78.3*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: Phenol-d6	*130*		ug/L	*150.0*		*87*	*15-110*			
Surrogate: p-Terphenyl-d14	*74.4*		ug/L	*100.0*		*74*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	78.3	10.0	ug/L	100.0		78	40-140			
1,2-Dichlorobenzene	77.6	10.0	ug/L	100.0		78	40-140			
1,3-Dichlorobenzene	73.5	10.0	ug/L	100.0		74	40-140			
1,4-Dichlorobenzene	74.1	10.0	ug/L	100.0		74	40-140			
2,4,5-Trichlorophenol	84.5	10.0	ug/L	100.0		84	30-130			
2,4,6-Trichlorophenol	80.6	10.0	ug/L	100.0		81	30-130			
2,4-Dichlorophenol	83.9	10.0	ug/L	100.0		84	30-130			
2,4-Dimethylphenol	72.8	50.0	ug/L	100.0		73	30-130			
2,4-Dinitrophenol	88.9	50.0	ug/L	100.0		89	30-130			
2,4-Dinitrotoluene	95.9	10.0	ug/L	100.0		96	40-140			
2,6-Dinitrotoluene	83.9	10.0	ug/L	100.0		84	40-140			
2-Chloronaphthalene	104	10.0	ug/L	100.0		104	40-140			
2-Chlorophenol	77.7	10.0	ug/L	100.0		78	30-130			
2-Methylphenol	86.7	10.0	ug/L	100.0		87	30-130			
2-Nitrophenol	79.8	10.0	ug/L	100.0		80	30-130			
3,3´-Dichlorobenzidine	77.8	20.0	ug/L	100.0		78	40-140			
3+4-Methylphenol	187	20.0	ug/L	200.0		93	30-130			
4-Bromophenyl-phenylether	83.7	10.0	ug/L	100.0		84	40-140			
4-Chloroaniline	80.1	20.0	ug/L	100.0		80	40-140			
4-Nitrophenol	99.7	50.0	ug/L	100.0		100	30-130			
Acetophenone	87.9	10.0	ug/L	100.0		88	40-140			
Aniline	81.7	10.0	ug/L	100.0		82	40-140			
Azobenzene	79.8	20.0	ug/L	100.0		80	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
bis(2-Chloroethoxy)methane	80.5	10.0	ug/L	100.0		80	40-140			
bis(2-Chloroethyl)ether	86.3	10.0	ug/L	100.0		86	40-140			
bis(2-chloroisopropyl)Ether	78.3	10.0	ug/L	100.0		78	40-140			
bis(2-Ethylhexyl)phthalate	82.5	6.0	ug/L	100.0		83	40-140			
Butylbenzylphthalate	79.5	10.0	ug/L	100.0		80	40-140			
Dibenzofuran	80.1	10.0	ug/L	100.0		80	40-140			
Diethylphthalate	91.6	10.0	ug/L	100.0		92	40-140			
Dimethylphthalate	93.4	10.0	ug/L	100.0		93	40-140			
Di-n-butylphthalate	91.9	10.0	ug/L	100.0		92	40-140			
Di-n-octylphthalate	78.4	10.0	ug/L	100.0		78	40-140			
Hexachlorobutadiene	74.2	10.0	ug/L	100.0		74	40-140			
Hexachloroethane	75.4	5.0	ug/L	100.0		75	40-140			
Isophorone	74.0	10.0	ug/L	100.0		74	40-140			
Nitrobenzene	81.2	10.0	ug/L	100.0		81	40-140			
N-Nitrosodimethylamine	76.2	10.0	ug/L	100.0		76	40-140			
Phenol	87.1	10.0	ug/L	100.0		87	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*76.4*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*126*		ug/L	*150.0*		*84*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*122*		ug/L	*150.0*		*81*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*76.5*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2-Fluorophenol	*103*		ug/L	*150.0*		*69*	*15-110*			
Surrogate: Nitrobenzene-d5	*83.6*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: Phenol-d6	*138*		ug/L	*150.0*		*92*	*15-110*			
Surrogate: p-Terphenyl-d14	*76.0*		ug/L	*100.0*		*76*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	80.3	10.0	ug/L	100.0		80	40-140	2	20	
1,2-Dichlorobenzene	80.7	10.0	ug/L	100.0		81	40-140	4	20	
1,3-Dichlorobenzene	78.2	10.0	ug/L	100.0		78	40-140	6	20	
1,4-Dichlorobenzene	79.3	10.0	ug/L	100.0		79	40-140	7	20	
2,4,5-Trichlorophenol	87.7	10.0	ug/L	100.0		88	30-130	4	20	
2,4,6-Trichlorophenol	85.3	10.0	ug/L	100.0		85	30-130	6	20	
2,4-Dichlorophenol	84.6	10.0	ug/L	100.0		85	30-130	0.9	20	
2,4-Dimethylphenol	77.2	50.0	ug/L	100.0		77	30-130	6	20	
2,4-Dinitrophenol	94.8	50.0	ug/L	100.0		95	30-130	6	20	
2,4-Dinitrotoluene	102	10.0	ug/L	100.0		102	40-140	6	20	
2,6-Dinitrotoluene	90.5	10.0	ug/L	100.0		91	40-140	8	20	
2-Chloronaphthalene	110	10.0	ug/L	100.0		110	40-140	5	20	
2-Chlorophenol	80.4	10.0	ug/L	100.0		80	30-130	3	20	
2-Methylphenol	87.6	10.0	ug/L	100.0		88	30-130	1	20	
2-Nitrophenol	82.6	10.0	ug/L	100.0		83	30-130	3	20	
3,3´-Dichlorobenzidine	81.7	20.0	ug/L	100.0		82	40-140	5	20	
3+4-Methylphenol	185	20.0	ug/L	200.0		93	30-130	0.8	20	
4-Bromophenyl-phenylether	92.0	10.0	ug/L	100.0		92	40-140	9	20	
4-Chloroaniline	79.3	20.0	ug/L	100.0		79	40-140	1	20	
4-Nitrophenol	111	50.0	ug/L	100.0		111	30-130	10	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
Acetophenone	88.2	10.0	ug/L	100.0		88	40-140	0.3	20	
Aniline	81.3	10.0	ug/L	100.0		81	40-140	0.6	20	
Azobenzene	85.7	20.0	ug/L	100.0		86	40-140	7	20	
bis(2-Chloroethoxy)methane	82.8	10.0	ug/L	100.0		83	40-140	3	20	
bis(2-Chloroethyl)ether	89.9	10.0	ug/L	100.0		90	40-140	4	20	
bis(2-chloroisopropyl)Ether	81.2	10.0	ug/L	100.0		81	40-140	4	20	
bis(2-Ethylhexyl)phthalate	88.3	6.0	ug/L	100.0		88	40-140	7	20	
Butylbenzylphthalate	85.3	10.0	ug/L	100.0		85	40-140	7	20	
Dibenzofuran	83.7	10.0	ug/L	100.0		84	40-140	4	20	
Diethylphthalate	97.7	10.0	ug/L	100.0		98	40-140	6	20	
Dimethylphthalate	97.0	10.0	ug/L	100.0		97	40-140	4	20	
Di-n-butylphthalate	97.1	10.0	ug/L	100.0		97	40-140	5	20	
Di-n-octylphthalate	86.1	10.0	ug/L	100.0		86	40-140	9	20	
Hexachlorobutadiene	75.9	10.0	ug/L	100.0		76	40-140	2	20	
Hexachloroethane	79.4	5.0	ug/L	100.0		79	40-140	5	20	
Isophorone	74.8	10.0	ug/L	100.0		75	40-140	1	20	
Nitrobenzene	81.9	10.0	ug/L	100.0		82	40-140	0.9	20	
N-Nitrosodimethylamine	78.4	10.0	ug/L	100.0		78	40-140	3	20	
Phenol	86.2	10.0	ug/L	100.0		86	30-130	1	20	
Surrogate: 1,2-Dichlorobenzene-d4	*78.9*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*137*		ug/L	*150.0*		*91*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*124*		ug/L	*150.0*		*82*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.4*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: 2-Fluorophenol	*107*		ug/L	*150.0*		*72*	*15-110*			
Surrogate: Nitrobenzene-d5	*84.4*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: Phenol-d6	*138*		ug/L	*150.0*		*92*	*15-110*			
Surrogate: p-Terphenyl-d14	*80.9*		ug/L	*100.0*		*81*	*30-130*			
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*78.5*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*90.9*		ug/L	*150.0*		*61*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*71.1*		ug/L	*100.0*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*110*		ug/L	*100.0*		*110*	*30-130*			
Surrogate: p-Terphenyl-d14	*83.9*		ug/L	*100.0*		*84*	*30-130*			
LCS										
2-Methylnaphthalene	82.8	4.00	ug/L	100.0		83	40-140			
Acenaphthene	80.9	4.00	ug/L	100.0		81	40-140			
Acenaphthylene	78.2	4.00	ug/L	100.0		78	40-140			
Anthracene	81.5	4.00	ug/L	100.0		81	40-140			
Benzo(a)anthracene	83.2	1.00	ug/L	100.0		83	40-140			
Benzo(a)pyrene	85.0	1.00	ug/L	100.0		85	40-140			
Benzo(b)fluoranthene	98.5	1.00	ug/L	100.0		98	40-140			
Benzo(g,h,i)perylene	88.3	4.00	ug/L	100.0		88	40-140			
Benzo(k)fluoranthene	84.1	1.00	ug/L	100.0		84	40-140			
Chrysene	81.3	1.00	ug/L	100.0		81	40-140			
Dibenzo(a,h)Anthracene	98.3	1.00	ug/L	100.0		98	40-140			
Fluoranthene	87.8	4.00	ug/L	100.0		88	40-140			
Fluorene	85.9	4.00	ug/L	100.0		86	40-140			
Hexachlorobenzene	90.2	4.00	ug/L	100.0		90	40-140			
Indeno(1,2,3-cd)Pyrene	97.3	1.00	ug/L	100.0		97	40-140			
Naphthalene	77.9	4.00	ug/L	100.0		78	40-140			
Pentachlorophenol	67.3	18.0	ug/L	100.0		67	30-130			
Phenanthrene	86.6	4.00	ug/L	100.0		87	40-140			
Pyrene	88.0	4.00	ug/L	100.0		88	40-140			
LCS Dup										
2-Methylnaphthalene	82.0	4.00	ug/L	100.0		82	40-140	1	20	
Acenaphthene	80.8	4.00	ug/L	100.0		81	40-140	0.2	20	
Acenaphthylene	78.7	4.00	ug/L	100.0		79	40-140	0.6	20	
Anthracene	81.9	4.00	ug/L	100.0		82	40-140	0.5	20	
Benzo(a)anthracene	79.5	1.00	ug/L	100.0		79	40-140	5	20	
Benzo(a)pyrene	80.3	1.00	ug/L	100.0		80	40-140	6	20	
Benzo(b)fluoranthene	88.5	1.00	ug/L	100.0		88	40-140	11	20	
Benzo(g,h,i)perylene	80.5	4.00	ug/L	100.0		80	40-140	9	20	
Benzo(k)fluoranthene	84.5	1.00	ug/L	100.0		84	40-140	0.4	20	
Chrysene	79.8	1.00	ug/L	100.0		80	40-140	2	20	
Dibenzo(a,h)Anthracene	89.3	1.00	ug/L	100.0		89	40-140	10	20	
Fluoranthene	87.1	4.00	ug/L	100.0		87	40-140	0.8	20	
Fluorene	85.3	4.00	ug/L	100.0		85	40-140	0.7	20	
Hexachlorobenzene	89.3	4.00	ug/L	100.0		89	40-140	1	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Indeno(1,2,3-cd)Pyrene	91.0	1.00	ug/L	100.0		91	40-140	7	20	
Naphthalene	77.9	4.00	ug/L	100.0		78	40-140	0.02	20	
Pentachlorophenol	65.4	18.0	ug/L	100.0		65	30-130	3	20	
Phenanthrene	87.2	4.00	ug/L	100.0		87	40-140	0.6	20	
Pyrene	83.6	4.00	ug/L	100.0		84	40-140	5	20	
Batch CF91228 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
LCS										
2-Methylnaphthalene	79.4	4.00	ug/L	100.0		79	40-140			
Acenaphthene	76.8	4.00	ug/L	100.0		77	40-140			
Acenaphthylene	71.7	4.00	ug/L	100.0		72	40-140			
Anthracene	77.4	4.00	ug/L	100.0		77	40-140			
Benzo(a)anthracene	77.0	1.00	ug/L	100.0		77	40-140			
Benzo(a)pyrene	78.1	1.00	ug/L	100.0		78	40-140			
Benzo(b)fluoranthene	90.6	1.00	ug/L	100.0		91	40-140			
Benzo(g,h,i)perylene	80.3	4.00	ug/L	100.0		80	40-140			
Benzo(k)fluoranthene	78.2	1.00	ug/L	100.0		78	40-140			
Chrysene	77.1	1.00	ug/L	100.0		77	40-140			
Dibenzo(a,h)Anthracene	85.4	1.00	ug/L	100.0		85	40-140			
Fluoranthene	81.8	4.00	ug/L	100.0		82	40-140			
Fluorene	82.2	4.00	ug/L	100.0		82	40-140			
Hexachlorobenzene	90.0	4.00	ug/L	100.0		90	40-140			
Indeno(1,2,3-cd)Pyrene	81.9	1.00	ug/L	100.0		82	40-140			
Naphthalene	72.9	4.00	ug/L	100.0		73	40-140			
Pentachlorophenol	63.1	18.0	ug/L	100.0		63	30-130			
Phenanthrene	79.6	4.00	ug/L	100.0		80	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
Pyrene	84.1	4.00	ug/L	100.0		84	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*75.9*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*77.8*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*82.4*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*92.8*		ug/L	*100.0*		*93*	*30-130*			
LCS Dup										
2-Methylnaphthalene	83.2	4.00	ug/L	100.0		83	40-140	5	20	
Acenaphthene	80.1	4.00	ug/L	100.0		80	40-140	4	20	
Acenaphthylene	74.6	4.00	ug/L	100.0		75	40-140	4	20	
Anthracene	80.0	4.00	ug/L	100.0		80	40-140	3	20	
Benzo(a)anthracene	79.5	1.00	ug/L	100.0		79	40-140	3	20	
Benzo(a)pyrene	82.4	1.00	ug/L	100.0		82	40-140	5	20	
Benzo(b)fluoranthene	94.1	1.00	ug/L	100.0		94	40-140	4	20	
Benzo(g,h,i)perylene	80.0	4.00	ug/L	100.0		80	40-140	0.4	20	
Benzo(k)fluoranthene	86.3	1.00	ug/L	100.0		86	40-140	10	20	
Chrysene	79.2	1.00	ug/L	100.0		79	40-140	3	20	
Dibenzo(a,h)Anthracene	89.8	1.00	ug/L	100.0		90	40-140	5	20	
Fluoranthene	85.7	4.00	ug/L	100.0		86	40-140	5	20	
Fluorene	85.8	4.00	ug/L	100.0		86	40-140	4	20	
Hexachlorobenzene	92.9	4.00	ug/L	100.0		93	40-140	3	20	
Indeno(1,2,3-cd)Pyrene	86.2	1.00	ug/L	100.0		86	40-140	5	20	
Naphthalene	77.0	4.00	ug/L	100.0		77	40-140	6	20	
Pentachlorophenol	67.1	18.0	ug/L	100.0		67	30-130	6	20	
Phenanthrene	83.5	4.00	ug/L	100.0		83	40-140	5	20	
Pyrene	85.6	4.00	ug/L	100.0		86	40-140	2	20	
Surrogate: 1,2-Dichlorobenzene-d4	*79.7*		ug/L	*100.0*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*119*		ug/L	*150.0*		*80*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.4*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*85.6*		ug/L	*100.0*		*86*	*30-130*			
Surrogate: p-Terphenyl-d14	*94.6*		ug/L	*100.0*		*95*	*30-130*			
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Blank										
C19-C36 Aliphatics1	ND	100	ug/L							
C9-C18 Aliphatics1	ND	100	ug/L							
Decane (C10)	ND	5	ug/L							
Docosane (C22)	ND	5	ug/L							
Dodecane (C12)	ND	5	ug/L							
Eicosane (C20)	ND	5	ug/L							
Hexacosane (C26)	ND	5	ug/L							
Hexadecane (C16)	ND	5	ug/L							
Hexatriacontane (C36)	ND	5	ug/L							
Nonadecane (C19)	ND	5	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Nonane (C9)	ND	5	ug/L							
Octacosane (C28)	ND	5	ug/L							
Octadecane (C18)	ND	5	ug/L							
Tetracosane (C24)	ND	5	ug/L							
Tetradecane (C14)	ND	5	ug/L							
Triacontane (C30)	ND	5	ug/L							
Surrogate: 1-Chlorooctadecane	*37.9*		ug/L	*50.50*		*75*	*40-140*			
Blank										
2-Methylnaphthalene	ND	5.0	ug/L							
Acenaphthene	ND	5.0	ug/L							
Acenaphthylene	ND	5.0	ug/L							
Anthracene	ND	5.0	ug/L							
Benzo(a)anthracene	ND	5.0	ug/L							
Benzo(a)pyrene	ND	10.0	ug/L							
Benzo(b)fluoranthene	ND	5.0	ug/L							
Benzo(g,h,i)perylene	ND	10.0	ug/L							
Benzo(k)fluoranthene	ND	10.0	ug/L							
C11-C22 Unadjusted Aromatics1	ND	100	ug/L							
Chrysene	ND	10.0	ug/L							
Dibenzo(a,h)Anthracene	ND	5.0	ug/L							
Fluoranthene	ND	10.0	ug/L							
Fluorene	ND	5.0	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	5.0	ug/L							
Naphthalene	ND	10.0	ug/L							
Phenanthrene	ND	5.0	ug/L							
Pyrene	ND	5.0	ug/L							
Surrogate: 2-Bromonaphthalene	*48.7*		mg/L	*50.00*		*97*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*45.4*		mg/L	*50.00*		*91*	*40-140*			
Surrogate: O-Terphenyl	*39.6*		ug/L	*50.20*		*79*	*40-140*			
LCS										
C19-C36 Aliphatics1	369	100	ug/L	400.0		92	40-140			
C9-C18 Aliphatics1	216	100	ug/L	300.0		72	40-140			
Decane (C10)	25	5	ug/L	50.00		50	40-140			
Docosane (C22)	44	5	ug/L	50.00		88	40-140			
Dodecane (C12)	32	5	ug/L	50.00		63	40-140			
Eicosane (C20)	43	5	ug/L	50.00		86	40-140			
Hexacosane (C26)	43	5	ug/L	50.00		86	40-140			
Hexadecane (C16)	42	5	ug/L	50.00		84	40-140			
Hexatriacontane (C36)	51	5	ug/L	50.00		103	40-140			
Nonadecane (C19)	43	5	ug/L	50.00		86	40-140			
Nonane (C9)	19	5	ug/L	50.00		37	30-140			
Octacosane (C28)	43	5	ug/L	50.00		86	40-140			
Octadecane (C18)	43	5	ug/L	50.00		85	40-140			
Tetracosane (C24)	44	5	ug/L	50.00		87	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Tetradecane (C14)	38	5	ug/L	50.00		77	40-140			
Triacontane (C30)	43	5	ug/L	50.00		86	40-140			
Surrogate: 1-Chlorooctadecane	*40.1*		ug/L	*50.50*		*79*	*40-140*			
LCS										
2-Methylnaphthalene	40.7	5.0	ug/L	50.00		81	40-140			
Acenaphthene	37.7	5.0	ug/L	50.00		75	40-140			
Acenaphthylene	37.3	5.0	ug/L	50.00		75	40-140			
Anthracene	41.2	5.0	ug/L	50.00		82	40-140			
Benzo(a)anthracene	38.9	5.0	ug/L	50.00		78	40-140			
Benzo(a)pyrene	43.2	10.0	ug/L	50.00		86	40-140			
Benzo(b)fluoranthene	40.2	5.0	ug/L	50.00		80	40-140			
Benzo(g,h,i)perylene	41.8	10.0	ug/L	50.00		84	40-140			
Benzo(k)fluoranthene	42.0	10.0	ug/L	50.00		84	40-140			
C11-C22 Unadjusted Aromatics1	794	100	ug/L	850.0		93	40-140			
Chrysene	39.5	10.0	ug/L	50.00		79	40-140			
Dibenzo(a,h)Anthracene	43.6	5.0	ug/L	50.00		87	40-140			
Fluoranthene	39.9	10.0	ug/L	50.00		80	40-140			
Fluorene	37.7	5.0	ug/L	50.00		75	40-140			
Indeno(1,2,3-cd)Pyrene	42.2	5.0	ug/L	50.00		84	40-140			
Naphthalene	31.5	10.0	ug/L	50.00		63	40-140			
Phenanthrene	41.6	5.0	ug/L	50.00		83	40-140			
Pyrene	39.7	5.0	ug/L	50.00		79	40-140			
Surrogate: 2-Bromonaphthalene	*39.1*		mg/L	*50.00*		*78*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*46.1*		mg/L	*50.00*		*92*	*40-140*			
Surrogate: O-Terphenyl	*40.8*		ug/L	*50.20*		*81*	*40-140*			
LCS										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
LCS Dup										
C19-C36 Aliphatics1	379	100	ug/L	400.0		95	40-140	3	25	
C9-C18 Aliphatics1	228	100	ug/L	300.0		76	40-140	5	25	
Decane (C10)	28	5	ug/L	50.00		57	40-140	13	25	
Docosane (C22)	45	5	ug/L	50.00		90	40-140	3	25	
Dodecane (C12)	34	5	ug/L	50.00		68	40-140	7	25	
Eicosane (C20)	44	5	ug/L	50.00		88	40-140	3	25	
Hexacosane (C26)	44	5	ug/L	50.00		89	40-140	3	25	
Hexadecane (C16)	43	5	ug/L	50.00		87	40-140	3	25	
Hexatriacontane (C36)	53	5	ug/L	50.00		106	40-140	3	25	
Nonadecane (C19)	44	5	ug/L	50.00		89	40-140	3	25	
Nonane (C9)	22	5	ug/L	50.00		44	30-140	15	25	
Octacosane (C28)	44	5	ug/L	50.00		88	40-140	3	25	
Octadecane (C18)	44	5	ug/L	50.00		88	40-140	2	25	
Tetracosane (C24)	45	5	ug/L	50.00		90	40-140	3	25	
Tetradecane (C14)	40	5	ug/L	50.00		80	40-140	4	25	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Triacontane (C30)	44	5	ug/L	50.00		89	40-140	3	25	
Surrogate: 1-Chlorooctadecane	*40.3*		ug/L	*50.50*		*80*	*40-140*			
LCS Dup										
2-Methylnaphthalene	41.3	5.0	ug/L	50.00		83	40-140	1	20	
Acenaphthene	36.6	5.0	ug/L	50.00		73	40-140	3	20	
Acenaphthylene	37.5	5.0	ug/L	50.00		75	40-140	0.5	20	
Anthracene	40.3	5.0	ug/L	50.00		81	40-140	2	20	
Benzo(a)anthracene	39.6	5.0	ug/L	50.00		79	40-140	2	20	
Benzo(a)pyrene	42.8	10.0	ug/L	50.00		86	40-140	0.9	20	
Benzo(b)fluoranthene	38.6	5.0	ug/L	50.00		77	40-140	4	20	
Benzo(g,h,i)perylene	40.7	10.0	ug/L	50.00		81	40-140	3	20	
Benzo(k)fluoranthene	41.3	10.0	ug/L	50.00		83	40-140	2	20	
C11-C22 Unadjusted Aromatics1	784	100	ug/L	850.0		92	40-140	1	25	
Chrysene	40.8	10.0	ug/L	50.00		82	40-140	3	20	
Dibenzo(a,h)Anthracene	42.4	5.0	ug/L	50.00		85	40-140	3	20	
Fluoranthene	39.5	10.0	ug/L	50.00		79	40-140	1	20	
Fluorene	37.9	5.0	ug/L	50.00		76	40-140	0.6	20	
Indeno(1,2,3-cd)Pyrene	42.0	5.0	ug/L	50.00		84	40-140	0.5	20	
Naphthalene	31.9	10.0	ug/L	50.00		64	40-140	1	20	
Phenanthrene	39.3	5.0	ug/L	50.00		79	40-140	6	20	
Pyrene	41.0	5.0	ug/L	50.00		82	40-140	3	20	
Surrogate: 2-Bromonaphthalene	*38.9*		mg/L	*50.00*		*78*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*47.9*		mg/L	*50.00*		*96*	*40-140*			
Surrogate: O-Terphenyl	*40.2*		ug/L	*50.20*		*80*	*40-140*			
LCS Dup										
2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner ESS Laboratory Work Order: 19F0022

Notes and Definitions

Z-06	pH <= 2
U	Analyte included in the analysis, but not detected
PT	Pentachlorophenol tailing factor > 2.
H	Estimated value. Sample hold times were exceeded (H).
DDT	DDT breakdown > 20%
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
BT	Benzidine tailing factor >2.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0022

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

Shipped/Delivered Via: ESS Courier

ESS Project ID: 19F0022
Date Received: 6/3/2019
Project Due Date: 6/10/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.8 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	351938	Yes	No	Yes	VOA Vial - HCl	HCl	
01	351939	Yes	No	Yes	VOA Vial - HCl	HCl	
01	351940	Yes	No	Yes	VOA Vial - HCl	HCl	
01	351961	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351962	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351963	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351964	Yes	NA	Yes	1L Amber - Unpres	NP	
01	351970	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
01	351981	Yes	NA	Yes	1L Amber - HCl	HCl	
01	351982	Yes	NA	Yes	1L Amber - HCl	HCl	
02	351935	Yes	No	Yes	VOA Vial - HCl	HCl	
02	351936	Yes	No	Yes	VOA Vial - HCl	HCl	
02	351937	Yes	No	Yes	VOA Vial - HCl	HCl	
02	351957	Yes	NA	Yes	1L Amber - Unpres	NP	
02	351958	Yes	NA	Yes	1L Amber - Unpres	NP	
02	351959	Yes	NA	Yes	1L Amber - Unpres	NP	
02	351960	Yes	NA	Yes	1L Amber - Unpres	NP	
02	351969	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
02	351979	Yes	NA	Yes	1L Amber - HCl	HCl	
02	351980	Yes	NA	Yes	1L Amber - HCl	HCl	
03	351932	Yes	No	Yes	VOA Vial - HCl	HCl	
03	351933	Yes	No	Yes	VOA Vial - HCl	HCl	
03	351934	Yes	No	Yes	VOA Vial - HCl	HCl	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

ESS Project ID: 19F0022

Date Received: 6/3/2019

03	351953	Yes	NA	Yes	1L Amber - Unpres	NP
03	351954	Yes	NA	Yes	1L Amber - Unpres	NP
03	351955	Yes	NA	Yes	1L Amber - Unpres	NP
03	351956	Yes	NA	Yes	1L Amber - Unpres	NP
03	351968	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
03	351977	Yes	NA	Yes	1L Amber - HCl	HCl
03	351978	Yes	NA	Yes	1L Amber - HCl	HCl
04	351929	Yes	No	Yes	VOA Vial - HCl	HCl
04	351930	Yes	No	Yes	VOA Vial - HCl	HCl
04	351931	Yes	No	Yes	VOA Vial - HCl	HCl
04	351949	Yes	NA	Yes	1L Amber - Unpres	NP
04	351950	Yes	NA	Yes	1L Amber - Unpres	NP
04	351951	Yes	NA	Yes	1L Amber - Unpres	NP
04	351952	Yes	NA	Yes	1L Amber - Unpres	NP
04	351967	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
04	351975	Yes	NA	Yes	1L Amber - HCl	HCl
04	351976	Yes	NA	Yes	1L Amber - HCl	HCl
05	351926	Yes	No	Yes	VOA Vial - HCl	HCl
05	351927	Yes	No	Yes	VOA Vial - HCl	HCl
05	351928	Yes	No	Yes	VOA Vial - HCl	HCl
05	351945	Yes	NA	Yes	1L Amber - Unpres	NP
05	351946	Yes	NA	Yes	1L Amber - Unpres	NP
05	351947	Yes	NA	Yes	1L Amber - Unpres	NP
05	351948	Yes	NA	Yes	1L Amber - Unpres	NP
05	351966	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
06	351923	Yes	No	Yes	VOA Vial - HCl	HCl
06	351924	Yes	No	Yes	VOA Vial - HCl	HCl
06	351925	Yes	No	Yes	VOA Vial - HCl	HCl
06	351941	Yes	NA	Yes	1L Amber - Unpres	NP
06	351942	Yes	NA	Yes	1L Amber - Unpres	NP
06	351943	Yes	NA	Yes	1L Amber - Unpres	NP
06	351944	Yes	NA	Yes	1L Amber - Unpres	NP
06	351965	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
06	351971	Yes	NA	Yes	1L Amber - HCl	HCl
06	351972	Yes	NA	Yes	1L Amber - HCl	HCl

2nd Review

Were all containers scanned into storage/lab? Initials _____

Are barcode labels on correct containers? Yes / No

Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: _____ Date & Time: 6/4/19 15:50

Reviewed By: _____ Date & Time: 6/4/19 1756

Delivered By: _____ 6/4/19 1756

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19F0022

Turn Time	5	Days
Regulatory State	Massachusetts	
Is this project for any of the following?:	○ CT RCP ◉ MA MCP ○ RGP	
Reporting Limits	RCGW-1	
Electonic Deliverables	☑ Data Checker ☐ Other (Please Specify →)	☐ Excel ☒ PDF

Company Name: Green Environmental, Inc.	Project #: 19137	Project Name: Bliss Corner	
Contact Person: Parrish Smolcha	Address: 296C Weymouth Street		
City: Rockland	State: MA	Zip Code: 02370	PO #: 8554
Telephone Number: 617-479-0550	FAX Number: 617-479-5150	Email Address: psmolcha@greenenvironmental.com	

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC	SVOC	PCB	14 MA Metals - dissolved	EPH carbon chains
1	5/31/19	11:00	Grab	Aqueous	MW 1	X	X	X	X	X
2	5/31/19	12:20	Grab	Aqueous	MW 5	X	X	X	X	X
3	5/31/19	13:40	Grab	Aqueous	MW 7	X	X	X	X	X
4	5/31/19	15:00	Grab	Aqueous	MW 14	X	X	X	X	X
5	5/31/19	8:20	Grab	Aqueous	MW 11	X	X	X	X	
6	5/31/19	9:20	Grab	Aqueous	MW 2	X	X	X	X	X

Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	V	AG	AG	P	AG
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	7	6	6	3	6
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	2	1	1	4	2
										Number of Containers per Sample:		3	2	2	1	2

Laboratory Use Only

Cooler Present: _____ ○ Drop Off
Seals Intact: _____ ◉ Pickup
Cooler Temperature: 1.5+1.8 °C + 1.1 ICE RC

Sampled by : P. Smolcha & A. Lucci

Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
6/3/19 13:00	6/3/19 1300	6/3/19 1721	6/3/19 1736
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 19F0078

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:00 pm, Jun 17, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

SAMPLE RECEIPT

The following samples were received on June 04, 2019 for the analyses specified on the enclosed Chain of Custody Record.

To achieve CAM compliance for MCP data, ESS Laboratory has reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All CAM requirements have been performed and achieved unless noted in the project narrative.

Each method has been set-up in the laboratory to reach required MCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes. The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Limit Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

SVOA Analysis: Samples "MW 8" (ESS# 19F0078-02) and "MW 9" (ESS# 19F0078-04) were re-extracted to confirm bis(2-ethylhexyl)phthalate. This analyte was not detected in the re-extract. The re-extract was prepared outside of the 7 day hold time. Both data sets have been reported.

Lab Number	Sample Name	Matrix	Analysis
19F0078-01	MW 13	Ground Water	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0078-02	MW 8	Ground Water	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0078-03	MW 4	Ground Water	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0078-04	MW 9	Ground Water	6010C, 6020A, 7010, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0078-05	MW 10	Ground Water	EPH8270, MADEP-EPH
19F0078-06	MW 10	Ground Water	6010C, 6020A, 7470A, 8082A, 8260B, 8270D, 8270D SIM

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

PROJECT NARRATIVE

8260B Volatile Organic Compounds

C9F0063-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**
	1,4-Dioxane - Screen (40% @ 20%)
C9F0063-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Chloromethane (22% @ 20%), Hexachloroethane (23% @ 20%), Tetrachloroethene (29% @ 20%)
C9F0090-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Tetrachloroethene (24% @ 20%)

8270D Semi-Volatile Organic Compounds

19F0078-02RE1	**Estimated value. Sample hold times were exceeded (H).**
19F0078-04RE1	**Estimated value. Sample hold times were exceeded (H).**
C9F0101-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**
	2-Chloronaphthalene (28% @ 20%)
C9F0101-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	2,4-Dinitrophenol (22% @ 20%)
C9F0132-CCV1	**Calibration required quadratic regression (Q).**
	2,4-Dinitrophenol (81% @ 80-120%)

8270D(SIM) Semi-Volatile Organic Compounds

19F0078-02RE1	**Estimated value. Sample hold times were exceeded (H).**
19F0078-04RE1	**Estimated value. Sample hold times were exceeded (H).**
C9F0164-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Pentachlorophenol (31% @ 20%)
C9F0164-TUN1	**DDT breakdown > 20%**
C9F0217-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Pentachlorophenol (24% @ 20%)
C9F0217-TUN1	**Benzidine tailing factor >2.**
C9F0217-TUN1	**Pentachlorophenol tailing factor > 2.**
C9F0218-TUN1	**Benzidine tailing factor >2.**
C9F0218-TUN1	**Pentachlorophenol tailing factor > 2.**

Dissolved Metals

19F0078-06	**Elevated Method Reporting Limits due to sample matrix (EL).**
	Arsenic

MADEP-EPH Extractable Petroleum Hydrocarbons

C9F0074-CCV2	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Benzo(g,h,i)perylene (51% @ 20%), Dibenzo(a,h)Anthracene (38% @ 20%), Indeno(1,2,3-cd)Pyrene (44% @ 20%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner ESS Laboratory Work Order: 19F0078

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

MassDEP Analytical Protocol Certification Form

MADEP RTN: _____

This form provides certification for the following data set: **19F0078-01 through 19F0078-06**

Matrices: (X) Ground Water/Surface Water ( ) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other:_____

CAM Protocol (check all that apply below):

(X) 8260 VOC CAM II A	(X) 7470/7471 Hg CAM III B	( ) MassDEP VPH (GC/PID/FID) CAM IV A	(X) 8082 PCB CAM V A	( ) 9014 Total Cyanide/PAC CAM VI A	( ) 6860 Perchlorate CAM VIII B
(X) 8270 SVOC CAM II B	(X) 7010 Metals CAM III C	( ) MassDEP VPH (GC/MS) CAM IV C	( ) 8081 Pesticides CAM V B	( ) 7196 Hex Cr CAM VI B	( ) MassDEP APH CAM IX A
(X) 6010 Metals CAM III A	(X) 6020 Metals CAM III D	(X) MassDEP EPH CAM IV B	( ) 8151 Herbicides CAM V C	( ) Explosives CAM VIII A	( ) TO-15 VOC CAM IX B

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	Yes (X) No ( )
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	Yes (X) No ( )
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	Yes (X) No ( )
D	Does the laboratory report comply with all the reporting requirements specified in the CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No ( )
E	VPH, EPH, APH and TO-15 only: a. Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes ( ) No ( )
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	Yes (X) No ( )

Responses to Questions G, H and I below are required for "'Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols(s)? ***Data User Note:*** ***Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.***	Yes ( ) No (X)*
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	Yes ( ) No (X)*
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	Yes (X) No ( )*

All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Laurel Stoddard Date: June 17, 2019

Printed Name: Laurel Stoddard Position: Laboratory Director

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 17:02	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:31	10	10	CF90539
Barium	ND (50.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 17:02	10	10	CF90539
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 17:02	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:28	20	40	CF90552
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 22:38	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 17:02	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 6:03	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 1000
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 17:50		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 17:50		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*50 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*48 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*75 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 17:41	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 17:41	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 17:41		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*96 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*95 %*		*70-130*
Surrogate: Toluene-d8	*92 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 930
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,4-Dimethylphenol	ND (53.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,4-Dinitrophenol	ND (53.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2-Chloronaphthalene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2-Chlorophenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2-Methylphenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
2-Nitrophenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (21.5)		8270D		1	06/07/19 20:38	C9F0101	CF90512
3+4-Methylphenol	ND (21.5)		8270D		1	06/07/19 20:38	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
4-Chloroaniline	ND (21.5)		8270D		1	06/07/19 20:38	C9F0101	CF90512
4-Nitrophenol	ND (53.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Acetophenone	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Aniline	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Azobenzene	ND (21.5)		8270D		1	06/07/19 20:38	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (6.5)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Butylbenzylphthalate	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Dibenzofuran	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Diethylphthalate	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Dimethylphthalate	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Di-n-butylphthalate	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 930
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Hexachlorobutadiene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Hexachloroethane	ND (5.4)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Isophorone	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Nitrobenzene	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512
Phenol	ND (10.8)		8270D		1	06/07/19 20:38	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*74 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: 2-Fluorophenol	*61 %*		*15-110*
Surrogate: Nitrobenzene-d5	*81 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*15-110*
Surrogate: p-Terphenyl-d14	*82 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 930
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Acenaphthene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Acenaphthylene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Anthracene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Fluoranthene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Fluorene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Hexachlorobenzene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Naphthalene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Pentachlorophenol	ND (0.97)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Phenanthrene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512
Pyrene	ND (0.22)		8270D SIM		1	06/12/19 1:56	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 13
Date Sampled: 06/03/19 08:45
Percent Solids: N/A
Initial Volume: 1000
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-01
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (100)		MADEP-EPH		1	CAD	06/06/19 18:18	C9F0021	CF90401
C19-C36 Aliphatics1	ND (100)		MADEP-EPH		1	CAD	06/06/19 18:18	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (100)		EPH8270		1	ZLC	06/06/19 19:27	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (100)		EPH8270			ZLC	06/06/19 19:27		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*52 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*100 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*105 %*		*40-140*
Surrogate: O-Terphenyl	*96 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 17:08	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:37	10	10	CF90539
Barium	**97.5** (50.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 17:08	10	10	CF90539
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539
Lead	**4.6** (1.0)		6020A		1	NAR	06/05/19 17:08	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:34	20	40	CF90552
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 23:07	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 17:08	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 6:07	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 18:09		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 18:09		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*74 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*75 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*81 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 18:08	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 18:08	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 18:08		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*101 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*89 %*		*70-130*
Surrogate: Dibromofluoromethane	*97 %*		*70-130*
Surrogate: Toluene-d8	*93 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 980
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,4-Dimethylphenol	ND (51.0)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,4-Dinitrophenol	ND (51.0)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2-Chloronaphthalene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2-Chlorophenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2-Methylphenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
2-Nitrophenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (20.4)		8270D		1	06/07/19 21:07	C9F0101	CF90512
3+4-Methylphenol	ND (20.4)		8270D		1	06/07/19 21:07	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
4-Chloroaniline	ND (20.4)		8270D		1	06/07/19 21:07	C9F0101	CF90512
4-Nitrophenol	ND (51.0)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Acetophenone	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Aniline	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Azobenzene	ND (20.4)		8270D		1	06/07/19 21:07	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	**24.6** (6.1)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Butylbenzylphthalate	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Dibenzofuran	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Diethylphthalate	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Dimethylphthalate	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Di-n-butylphthalate	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 980
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Hexachlorobutadiene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Hexachloroethane	ND (5.1)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Isophorone	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Nitrobenzene	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512
Phenol	ND (10.2)		8270D		1	06/07/19 21:07	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*72 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*84 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*74 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*78 %*		*30-130*
Surrogate: 2-Fluorophenol	*61 %*		*15-110*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: Phenol-d6	*80 %*		*15-110*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 980
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Naphthalene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Pentachlorophenol	ND (0.92)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/12/19 2:44	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 1030
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/5/19 13:55

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (97)		MADEP-EPH		1	CAD	06/06/19 19:05	C9F0021	CF90401
C19-C36 Aliphatics1	ND (97)		MADEP-EPH		1	CAD	06/06/19 19:05	C9F0021	CF90401
C11-C22 Unadjusted Aromatics1	ND (97.1)		EPH8270		1	ZLC	06/06/19 20:10	C9F0074	CF90401
C11-C22 Aromatics1,2	ND (97.1)		EPH8270			ZLC	06/06/19 20:10		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90401

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*85 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*90 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*102 %*		*40-140*
Surrogate: O-Terphenyl	*93 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 960
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
1,2-Dichlorobenzene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
1,3-Dichlorobenzene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
1,4-Dichlorobenzene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,4,5-Trichlorophenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,4,6-Trichlorophenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,4-Dichlorophenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,4-Dimethylphenol	ND (52.1)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,4-Dinitrophenol	ND (52.1)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,4-Dinitrotoluene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2,6-Dinitrotoluene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2-Chloronaphthalene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2-Chlorophenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2-Methylphenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
2-Nitrophenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
3,3´-Dichlorobenzidine	ND (20.8)		8270D		1	06/13/19 18:31	C9F0191	CF91228
3+4-Methylphenol	ND (20.8)		8270D		1	06/13/19 18:31	C9F0191	CF91228
4-Bromophenyl-phenylether	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
4-Chloroaniline	ND (20.8)		8270D		1	06/13/19 18:31	C9F0191	CF91228
4-Nitrophenol	ND (52.1)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Acetophenone	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Aniline	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Azobenzene	ND (20.8)		8270D		1	06/13/19 18:31	C9F0191	CF91228
bis(2-Chloroethoxy)methane	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
bis(2-Chloroethyl)ether	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
bis(2-chloroisopropyl)Ether	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
bis(2-Ethylhexyl)phthalate	ND (6.2)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Butylbenzylphthalate	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Dibenzofuran	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Diethylphthalate	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Dimethylphthalate	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Di-n-butylphthalate	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 960
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Hexachlorobutadiene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Hexachloroethane	ND (5.2)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Isophorone	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Nitrobenzene	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
N-Nitrosodimethylamine	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228
Phenol	ND (10.4)		8270D		1	06/13/19 18:31	C9F0191	CF91228

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*64 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*60 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*58 %*		*30-130*
Surrogate: 2-Fluorophenol	*49 %*		*15-110*
Surrogate: Nitrobenzene-d5	*66 %*		*30-130*
Surrogate: Phenol-d6	*65 %*		*15-110*
Surrogate: p-Terphenyl-d14	*54 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 8
Date Sampled: 06/03/19 10:20
Percent Solids: N/A
Initial Volume: 960
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-02RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/12/19 17:05

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Acenaphthene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Acenaphthylene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Anthracene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Chrysene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Fluoranthene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Fluorene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Naphthalene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Pentachlorophenol	ND (0.94)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Phenanthrene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228
Pyrene	ND (0.21)		8270D SIM		1	06/14/19 4:42	C9F0218	CF91228

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 17:14	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:42	10	10	CF90539
Barium	**64.7** (50.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539
Cadmium	ND (1.0)		6020A		1	NAR	06/05/19 17:14	10	10	CF90539
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 17:14	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:36	20	40	CF90552
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 23:13	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 17:14	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 6:11	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 18:28		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 18:28		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*73 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*70 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*85 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2,4-Trimethylbenzene	**125** (10.0)		8260B		10	06/06/19 16:09	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,3,5-Trimethylbenzene	**19.6** (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 18:35	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Benzene	**94.5** (10.0)		8260B		10	06/06/19 16:09	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
cis-1,2-Dichloroethene	**2.2** (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Ethylbenzene	**199** (10.0)		8260B		10	06/06/19 16:09	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Isopropylbenzene	**7.5** (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Naphthalene	**24.4** (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
n-Butylbenzene	**1.1** (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
n-Propylbenzene	**18.5** (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**306** (10.0)		8260B		10	06/06/19 16:09	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 18:35	C9F0063	CF90529
Xylene O	**144** (10.0)		8260B		10	06/06/19 16:09	C9F0063	CF90529
Xylene P,M	**269** (20.0)		8260B		10	06/06/19 16:09	C9F0063	CF90529
Xylenes (Total)	**412** (20.0)		8260B		10	06/06/19 16:09		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*92 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,4-Dimethylphenol	ND (50.5)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,4-Dinitrophenol	ND (50.5)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2-Chloronaphthalene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2-Chlorophenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2-Methylphenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
2-Nitrophenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (20.2)		8270D		1	06/07/19 21:35	C9F0101	CF90512
3+4-Methylphenol	ND (20.2)		8270D		1	06/07/19 21:35	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
4-Chloroaniline	ND (20.2)		8270D		1	06/07/19 21:35	C9F0101	CF90512
4-Nitrophenol	ND (50.5)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Acetophenone	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Aniline	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Azobenzene	ND (20.2)		8270D		1	06/07/19 21:35	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (6.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Butylbenzylphthalate	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Dibenzofuran	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Diethylphthalate	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Dimethylphthalate	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Di-n-butylphthalate	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Hexachlorobutadiene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Hexachloroethane	ND (5.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Isophorone	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Nitrobenzene	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512
Phenol	ND (10.1)		8270D		1	06/07/19 21:35	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*79 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*86 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: 2-Fluorophenol	*80 %*		*15-110*
Surrogate: Nitrobenzene-d5	*85 %*		*30-130*
Surrogate: Phenol-d6	*92 %*		*15-110*
Surrogate: p-Terphenyl-d14	*80 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 990
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	**0.49** (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Naphthalene	**5.04** (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Pentachlorophenol	ND (0.91)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/12/19 3:32	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 4
Date Sampled: 06/03/19 11:45
Percent Solids: N/A
Initial Volume: 1000
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-03
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/7/19 10:34

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (100)		MADEP-EPH		1	CAD	06/07/19 22:03	C9F0021	CF90708
C19-C36 Aliphatics1	ND (100)		MADEP-EPH		1	CAD	06/07/19 22:03	C9F0021	CF90708
C11-C22 Unadjusted Aromatics1	ND (100)		EPH8270		1	VSC	06/07/19 19:11	C9F0094	CF90708
C11-C22 Aromatics1,2	ND (100)		EPH8270			VSC	06/07/19 19:11		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90708

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*68 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*93 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*91 %*		*40-140*
Surrogate: O-Terphenyl	*75 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/05/19 17:20	10	10	CF90539
Arsenic	ND (5.0)		7010		1	KJK	06/05/19 19:54	10	10	CF90539
Barium	**310** (50.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539
Cadmium	**3.5** (1.0)		6020A		1	NAR	06/05/19 17:20	10	10	CF90539
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539
Lead	ND (1.0)		6020A		1	NAR	06/05/19 17:20	10	10	CF90539
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 11:38	20	40	CF90552
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539
Selenium	ND (10.0)		7010		1	KJK	06/05/19 23:18	10	10	CF90539
Silver	ND (5.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539
Thallium	ND (1.0)		6020A		1	NAR	06/05/19 17:20	10	10	CF90539
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539
Zinc	**539** (50.0)		6010C		1	KJK	06/12/19 6:15	10	10	CF90539

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: CAD
Prepared: 6/5/19 12:20

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/05/19 18:47		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/05/19 18:47		CF90501

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*97 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*94 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*75 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*80 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,1-Dichloroethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,1-Dichloroethene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,1-Dichloropropene	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2-Dibromoethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2-Dichloroethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,3-Dichloropropane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
1,4-Dioxane - Screen	ND (500)		8260B		1	06/05/19 19:01	C9F0063	CF90529
2,2-Dichloropropane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
2-Butanone	ND (10.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
2-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
2-Hexanone	ND (10.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
4-Chlorotoluene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
4-Isopropyltoluene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Acetone	ND (10.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Benzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Bromobenzene	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Bromochloromethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Bromoform	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Bromomethane	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Carbon Disulfide	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Carbon Tetrachloride	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Chlorobenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Chloroethane	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Chloroform	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Chloromethane	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Dibromochloromethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Dibromomethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Diethyl Ether	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Di-isopropyl ether	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Ethylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Hexachlorobutadiene	ND (0.6)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Hexachloroethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Isopropylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Methylene Chloride	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Naphthalene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
n-Butylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
n-Propylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
sec-Butylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Styrene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
tert-Butylbenzene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Tetrachloroethene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Tetrahydrofuran	ND (5.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Trichloroethene	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Trichlorofluoromethane	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Vinyl Chloride	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Xylene O	ND (1.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Xylene P,M	ND (2.0)		8260B		1	06/05/19 19:01	C9F0063	CF90529
Xylenes (Total)	ND (2.00)		8260B		1	06/05/19 19:01		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*93 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,4-Dimethylphenol	ND (50.5)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,4-Dinitrophenol	ND (50.5)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2-Chloronaphthalene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2-Chlorophenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2-Methylphenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
2-Nitrophenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (20.2)		8270D		1	06/07/19 22:03	C9F0101	CF90512
3+4-Methylphenol	ND (20.2)		8270D		1	06/07/19 22:03	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
4-Chloroaniline	ND (20.2)		8270D		1	06/07/19 22:03	C9F0101	CF90512
4-Nitrophenol	ND (50.5)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Acetophenone	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Aniline	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Azobenzene	ND (20.2)		8270D		1	06/07/19 22:03	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	**200** (6.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Butylbenzylphthalate	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Dibenzofuran	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Diethylphthalate	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Dimethylphthalate	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Di-n-butylphthalate	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Hexachlorobutadiene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Hexachloroethane	ND (5.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Isophorone	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Nitrobenzene	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512
Phenol	ND (10.1)		8270D		1	06/07/19 22:03	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*84 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*79 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*15-110*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: Phenol-d6	*85 %*		*15-110*
Surrogate: p-Terphenyl-d14	*95 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 990
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Acenaphthene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Acenaphthylene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Anthracene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Fluoranthene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Fluorene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Naphthalene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Pentachlorophenol	ND (0.91)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Phenanthrene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512
Pyrene	ND (0.20)		8270D SIM		1	06/12/19 4:20	C9F0167	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/7/19 10:34

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/07/19 22:50	C9F0021	CF90708
C19-C36 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/07/19 22:50	C9F0021	CF90708
C11-C22 Unadjusted Aromatics1	ND (98.0)		EPH8270		1	VSC	06/07/19 19:47	C9F0094	CF90708
C11-C22 Aromatics1,2	ND (98.0)		EPH8270			VSC	06/07/19 19:47		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90708

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*78 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*97 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*94 %*		*40-140*
Surrogate: O-Terphenyl	*79 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
1,2-Dichlorobenzene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
1,3-Dichlorobenzene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
1,4-Dichlorobenzene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,4,5-Trichlorophenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,4,6-Trichlorophenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,4-Dichlorophenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,4-Dimethylphenol	ND (49.5)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,4-Dinitrophenol	ND (49.5)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,4-Dinitrotoluene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2,6-Dinitrotoluene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2-Chloronaphthalene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2-Chlorophenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2-Methylphenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
2-Nitrophenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
3,3´-Dichlorobenzidine	ND (19.8)		8270D		1	06/13/19 18:59	C9F0191	CF91228
3+4-Methylphenol	ND (19.8)		8270D		1	06/13/19 18:59	C9F0191	CF91228
4-Bromophenyl-phenylether	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
4-Chloroaniline	ND (19.8)		8270D		1	06/13/19 18:59	C9F0191	CF91228
4-Nitrophenol	ND (49.5)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Acetophenone	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Aniline	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Azobenzene	ND (19.8)		8270D		1	06/13/19 18:59	C9F0191	CF91228
bis(2-Chloroethoxy)methane	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
bis(2-Chloroethyl)ether	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
bis(2-chloroisopropyl)Ether	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
bis(2-Ethylhexyl)phthalate	ND (5.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Butylbenzylphthalate	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Dibenzofuran	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Diethylphthalate	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Dimethylphthalate	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Di-n-butylphthalate	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Hexachlorobutadiene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Hexachloroethane	ND (5.0)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Isophorone	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Nitrobenzene	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
N-Nitrosodimethylamine	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228
Phenol	ND (9.9)		8270D		1	06/13/19 18:59	C9F0191	CF91228

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*66 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*74 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*65 %*		*15-110*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: Phenol-d6	*83 %*		*15-110*
Surrogate: p-Terphenyl-d14	*66 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 9
Date Sampled: 06/03/19 13:45
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-04RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/12/19 17:05

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Acenaphthene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Acenaphthylene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Anthracene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Benzo(g,h,i)perylene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Chrysene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Fluoranthene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Fluorene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Hexachlorobenzene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Naphthalene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Pentachlorophenol	ND (0.89)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Phenanthrene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228
Pyrene	ND (0.20)		8270D SIM		1	06/14/19 5:30	C9F0218	CF91228

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/03/19 15:30
Percent Solids: N/A
Initial Volume: 1020
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-05
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/7/19 10:34

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/07/19 23:37	C9F0021	CF90708
C19-C36 Aliphatics1	ND (98)		MADEP-EPH		1	CAD	06/07/19 23:37	C9F0021	CF90708
C11-C22 Unadjusted Aromatics1	ND (98.0)		EPH8270		1	VSC	06/07/19 20:24	C9F0094	CF90708
C11-C22 Aromatics1,2	ND (98.0)		EPH8270			VSC	06/07/19 20:24		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90708

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*64 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*97 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*91 %*		*40-140*
Surrogate: O-Terphenyl	*78 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/10/19 14:53	10	10	CF90627
Arsenic	**EL** ND (5.0)		6020A		1	NAR	06/07/19 12:05	10	10	CF90627
Barium	ND (50.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627
Cadmium	ND (1.0)		6020A		1	NAR	06/07/19 12:05	10	10	CF90627
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627
Lead	ND (1.0)		6020A		1	NAR	06/07/19 12:05	10	10	CF90627
Mercury	ND (0.20)		7470A		1	MKS	06/12/19 9:55	20	40	CF90739
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627
Selenium	ND (5.0)		6020A		1	NAR	06/10/19 14:53	10	10	CF90627
Silver	ND (5.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627
Thallium	ND (1.0)		6020A		1	NAR	06/07/19 12:05	10	10	CF90627
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 14:19	10	10	CF90627

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 1000
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: MJV
Prepared: 6/7/19 10:26

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1221	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1232	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1242	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1248	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1254	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1260	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1262	ND (0.10)		8082A		1	06/07/19 14:53		CF90711
Aroclor 1268	ND (0.10)		8082A		1	06/07/19 14:53		CF90711

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*46 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*47 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*66 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*69 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,1-Dichloroethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,1-Dichloroethene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,1-Dichloropropene	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2-Dibromoethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2-Dichloroethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,3-Dichloropropane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
1,4-Dioxane - Screen	ND (500)		8260B		1	06/06/19 19:21	C9F0090	CF90649
2,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
2-Butanone	ND (10.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
2-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
2-Hexanone	ND (10.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
4-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
4-Isopropyltoluene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Acetone	ND (10.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Benzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Bromobenzene	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Bromochloromethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Bromoform	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Bromomethane	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Carbon Disulfide	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Carbon Tetrachloride	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Chlorobenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Chloroethane	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Chloroform	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Chloromethane	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Dibromochloromethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Dibromomethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Diethyl Ether	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Di-isopropyl ether	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Ethylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Hexachlorobutadiene	ND (0.6)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Hexachloroethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Isopropylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Methylene Chloride	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Naphthalene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
n-Butylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
n-Propylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
sec-Butylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Styrene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
tert-Butylbenzene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Tetrachloroethene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Tetrahydrofuran	ND (5.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Trichloroethene	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Trichlorofluoromethane	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Vinyl Chloride	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Xylene O	ND (1.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Xylene P,M	ND (2.0)		8260B		1	06/06/19 19:21	C9F0090	CF90649
Xylenes (Total)	ND (2.00)		8260B		1	06/06/19 19:21		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 950
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/7/19 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
1,2-Dichlorobenzene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
1,3-Dichlorobenzene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
1,4-Dichlorobenzene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,4,5-Trichlorophenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,4,6-Trichlorophenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,4-Dichlorophenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,4-Dimethylphenol	ND (52.6)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,4-Dinitrophenol	ND (52.6)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,4-Dinitrotoluene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2,6-Dinitrotoluene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2-Chloronaphthalene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2-Chlorophenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2-Methylphenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
2-Nitrophenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
3,3´-Dichlorobenzidine	ND (21.1)		8270D		1	06/10/19 17:58	C9F0132	CF90720
3+4-Methylphenol	ND (21.1)		8270D		1	06/10/19 17:58	C9F0132	CF90720
4-Bromophenyl-phenylether	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
4-Chloroaniline	ND (21.1)		8270D		1	06/10/19 17:58	C9F0132	CF90720
4-Nitrophenol	ND (52.6)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Acetophenone	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Aniline	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Azobenzene	ND (21.1)		8270D		1	06/10/19 17:58	C9F0132	CF90720
bis(2-Chloroethoxy)methane	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
bis(2-Chloroethyl)ether	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
bis(2-chloroisopropyl)Ether	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
bis(2-Ethylhexyl)phthalate	ND (6.3)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Butylbenzylphthalate	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Dibenzofuran	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Diethylphthalate	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Dimethylphthalate	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Di-n-butylphthalate	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 950
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/7/19 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Hexachlorobutadiene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Hexachloroethane	ND (5.3)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Isophorone	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Nitrobenzene	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
N-Nitrosodimethylamine	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720
Phenol	ND (10.5)		8270D		1	06/10/19 17:58	C9F0132	CF90720

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*76 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*75 %*		*30-130*
Surrogate: 2-Fluorophenol	*69 %*		*15-110*
Surrogate: Nitrobenzene-d5	*81 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*15-110*
Surrogate: p-Terphenyl-d14	*79 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW 10
Date Sampled: 06/04/19 12:30
Percent Solids: N/A
Initial Volume: 950
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0078
ESS Laboratory Sample ID: 19F0078-06
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/7/19 18:00

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Acenaphthene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Acenaphthylene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Anthracene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Chrysene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Fluoranthene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Fluorene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Naphthalene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Pentachlorophenol	ND (0.95)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Phenanthrene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720
Pyrene	ND (0.21)		8270D SIM		1	06/14/19 7:05	C9F0218	CF90720

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Dissolved Metals										
Batch CF90539 - 200.7/6010BNoDigest										
Blank										
Antimony	ND	1.0	ug/L							
Arsenic	ND	5.0	ug/L							
Barium	ND	50.0	ug/L							
Beryllium	ND	1.0	ug/L							
Cadmium	ND	1.0	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	1.0	ug/L							
Nickel	ND	50.0	ug/L							
Selenium	ND	10.0	ug/L							
Silver	ND	5.0	ug/L							
Thallium	ND	1.0	ug/L							
Vanadium	ND	20.0	ug/L							
Zinc	ND	50.0	ug/L							
LCS										
Barium	0.5		mg/L	0.5000		101	80-120			
Beryllium	0.05		mg/L	0.05000		100	80-120			
Chromium	0.5		mg/L	0.5000		101	80-120			
Nickel	0.5		mg/L	0.5000		100	80-120			
Silver	0.3		mg/L	0.2500		102	80-120			
Vanadium	0.5		mg/L	0.5000		101	80-120			
Zinc	0.5		mg/L	0.5000		102	80-120			
LCS										
Antimony	20.0		ug/L	20.04		100	80-120			
Cadmium	19.0		ug/L	20.10		94	80-120			
Lead	19.6		ug/L	19.98		98	80-120			
Thallium	19.3		ug/L	20.02		96	80-120			
LCS										
Arsenic	25.0		ug/L	25.00		100	80-120			
Selenium	49.8		ug/L	50.00		100	80-120			
Batch CF90552 - 245.1/7470A										
Blank										
Mercury	ND	0.20	ug/L							
LCS										
Mercury	5.98	0.20	ug/L	6.042		99	80-120			
LCS Dup										
Mercury	6.05	0.20	ug/L	6.042		100	80-120	1	20	
Batch CF90627 - 200.7/6010BNoDigest										
Blank										
Antimony	ND	1.0	ug/L							
Arsenic	ND	5.0	ug/L							
Barium	ND	50.0	ug/L							
Beryllium	ND	1.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Dissolved Metals										
Batch CF90627 - 200.7/6010BNoDigest										
Cadmium	ND	0.2	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	1.0	ug/L							
Nickel	ND	50.0	ug/L							
Selenium	ND	5.0	ug/L							
Silver	ND	5.0	ug/L							
Thallium	ND	1.0	ug/L							
Vanadium	ND	20.0	ug/L							
Zinc	ND	50.0	ug/L							
LCS										
Barium	0.5		mg/L	0.5000		104	80-120			
Beryllium	0.05		mg/L	0.05000		98	80-120			
Chromium	0.5		mg/L	0.5000		104	80-120			
Nickel	0.5		mg/L	0.5000		105	80-120			
Silver	0.3		mg/L	0.2500		105	80-120			
Vanadium	0.5		mg/L	0.5000		104	80-120			
Zinc	0.5		mg/L	0.5000		104	80-120			
LCS										
Antimony	21.3		ug/L	20.04		106	80-120			
Arsenic	18.0		ug/L	20.00		90	80-120			
Cadmium	19.4		ug/L	20.10		96	80-120			
Lead	18.6		ug/L	19.98		93	80-120			
Selenium	20.6		ug/L	19.98		103	80-120			
Thallium	18.8		ug/L	20.02		94	80-120			
Batch CF90739 - 245.1/7470A										
Blank										
Mercury	ND	0.20	ug/L							
LCS										
Mercury	5.99	0.20	ug/L	6.042		99	80-120			
LCS Dup										
Mercury	5.79	0.20	ug/L	6.042		96	80-120	3	20	
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90501 - 3510C										
Blank										
Aroclor 1016	ND	0.05	ug/L							
Aroclor 1016 [2C]	ND	0.05	ug/L							
Aroclor 1221	ND	0.05	ug/L							
Aroclor 1221 [2C]	ND	0.05	ug/L							
Aroclor 1232	ND	0.05	ug/L							
Aroclor 1232 [2C]	ND	0.05	ug/L							
Aroclor 1242	ND	0.05	ug/L							
Aroclor 1242 [2C]	ND	0.05	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90501 - 3510C										
Aroclor 1248	ND	0.05	ug/L							
Aroclor 1248 [2C]	ND	0.05	ug/L							
Aroclor 1254	ND	0.05	ug/L							
Aroclor 1254 [2C]	ND	0.05	ug/L							
Aroclor 1260	ND	0.05	ug/L							
Aroclor 1260 [2C]	ND	0.05	ug/L							
Aroclor 1262	ND	0.05	ug/L							
Aroclor 1262 [2C]	ND	0.05	ug/L							
Aroclor 1268	ND	0.05	ug/L							
Aroclor 1268 [2C]	ND	0.05	ug/L							
Surrogate: Decachlorobiphenyl	*0.0396*		ug/L	*0.05000*		*79*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0383*		ug/L	*0.05000*		*77*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0335*		ug/L	*0.05000*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0358*		ug/L	*0.05000*		*72*	*30-150*			
LCS										
Aroclor 1016	1.08	0.10	ug/L	1.000		108	40-140			
Aroclor 1016 [2C]	1.01	0.10	ug/L	1.000		101	40-140			
Aroclor 1260	0.94	0.10	ug/L	1.000		94	40-140			
Aroclor 1260 [2C]	0.97	0.10	ug/L	1.000		97	40-140			
Surrogate: Decachlorobiphenyl	*0.0480*		ug/L	*0.05000*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0465*		ug/L	*0.05000*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0402*		ug/L	*0.05000*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0401*		ug/L	*0.05000*		*80*	*30-150*			
LCS Dup										
Aroclor 1016	1.04	0.10	ug/L	1.000		104	40-140	3	20	
Aroclor 1016 [2C]	0.97	0.10	ug/L	1.000		97	40-140	4	20	
Aroclor 1260	0.94	0.10	ug/L	1.000		94	40-140	0.2	20	
Aroclor 1260 [2C]	0.97	0.10	ug/L	1.000		97	40-140	0.6	20	
Surrogate: Decachlorobiphenyl	*0.0476*		ug/L	*0.05000*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0463*		ug/L	*0.05000*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0380*		ug/L	*0.05000*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0376*		ug/L	*0.05000*		*75*	*30-150*			
Batch CF90711 - 3510C										
Blank										
Aroclor 1016	ND	0.10	ug/L							
Aroclor 1016 [2C]	ND	0.10	ug/L							
Aroclor 1221	ND	0.10	ug/L							
Aroclor 1221 [2C]	ND	0.10	ug/L							
Aroclor 1232	ND	0.10	ug/L							
Aroclor 1232 [2C]	ND	0.10	ug/L							
Aroclor 1242	ND	0.10	ug/L							
Aroclor 1242 [2C]	ND	0.10	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90711 - 3510C										
Aroclor 1248	ND	0.10	ug/L							
Aroclor 1248 [2C]	ND	0.10	ug/L							
Aroclor 1254	ND	0.10	ug/L							
Aroclor 1254 [2C]	ND	0.10	ug/L							
Aroclor 1260	ND	0.10	ug/L							
Aroclor 1260 [2C]	ND	0.10	ug/L							
Aroclor 1262	ND	0.10	ug/L							
Aroclor 1262 [2C]	ND	0.10	ug/L							
Aroclor 1268	ND	0.10	ug/L							
Aroclor 1268 [2C]	ND	0.10	ug/L							
Surrogate: Decachlorobiphenyl	*0.0289*		ug/L	*0.05000*		*58*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0287*		ug/L	*0.05000*		*57*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0264*		ug/L	*0.05000*		*53*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0276*		ug/L	*0.05000*		*55*	*30-150*			
LCS										
Aroclor 1016	0.90	0.10	ug/L	1.000		90	40-140			
Aroclor 1016 [2C]	0.89	0.10	ug/L	1.000		89	40-140			
Aroclor 1260	0.87	0.10	ug/L	1.000		87	40-140			
Aroclor 1260 [2C]	0.79	0.10	ug/L	1.000		79	40-140			
Surrogate: Decachlorobiphenyl	*0.0369*		ug/L	*0.05000*		*74*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0357*		ug/L	*0.05000*		*71*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0308*		ug/L	*0.05000*		*62*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0312*		ug/L	*0.05000*		*62*	*30-150*			
LCS Dup										
Aroclor 1016	0.93	0.10	ug/L	1.000		93	40-140	3	20	
Aroclor 1016 [2C]	0.90	0.10	ug/L	1.000		90	40-140	1	20	
Aroclor 1260	0.89	0.10	ug/L	1.000		89	40-140	3	20	
Aroclor 1260 [2C]	0.84	0.10	ug/L	1.000		84	40-140	6	20	
Surrogate: Decachlorobiphenyl	*0.0372*		ug/L	*0.05000*		*74*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0355*		ug/L	*0.05000*		*71*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0333*		ug/L	*0.05000*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0336*		ug/L	*0.05000*		*67*	*30-150*			
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Blank										
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
1,1-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	1.0	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
1,1-Dichloropropene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	1.0	ug/L							
1,2,4-Trimethylbenzene	ND	1.0	ug/L							
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
1,2-Dichlorobenzene	ND	1.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
1,3,5-Trimethylbenzene	ND	1.0	ug/L							
1,3-Dichlorobenzene	ND	1.0	ug/L							
1,3-Dichloropropane	ND	1.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
1,4-Dioxane - Screen	ND	500	ug/L							
2,2-Dichloropropane	ND	1.0	ug/L							
2-Butanone	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.0	ug/L							
2-Hexanone	ND	10.0	ug/L							
4-Chlorotoluene	ND	1.0	ug/L							
4-Isopropyltoluene	ND	1.0	ug/L							
4-Methyl-2-Pentanone	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.0	ug/L							
Bromobenzene	ND	2.0	ug/L							
Bromochloromethane	ND	1.0	ug/L							
Bromodichloromethane	ND	0.6	ug/L							
Bromoform	ND	1.0	ug/L							
Bromomethane	ND	2.0	ug/L							
Carbon Disulfide	ND	1.0	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	1.0	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	1.0	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	0.4	ug/L							
Dibromochloromethane	ND	1.0	ug/L							
Dibromomethane	ND	1.0	ug/L							
Dichlorodifluoromethane	ND	2.0	ug/L							
Diethyl Ether	ND	1.0	ug/L							
Di-isopropyl ether	ND	1.0	ug/L							
Ethyl tertiary-butyl ether	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Hexachlorobutadiene	ND	0.6	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Hexachloroethane	ND	1.0	ug/L							
Isopropylbenzene	ND	1.0	ug/L							
Methyl tert-Butyl Ether	ND	1.0	ug/L							
Methylene Chloride	ND	2.0	ug/L							
Naphthalene	ND	1.0	ug/L							
n-Butylbenzene	ND	1.0	ug/L							
n-Propylbenzene	ND	1.0	ug/L							
sec-Butylbenzene	ND	1.0	ug/L							
Styrene	ND	1.0	ug/L							
tert-Butylbenzene	ND	1.0	ug/L							
Tertiary-amyl methyl ether	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Tetrahydrofuran	ND	5.0	ug/L							
Toluene	ND	1.0	ug/L							
trans-1,2-Dichloroethene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	0.4	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylene O	ND	1.0	ug/L							
Xylene P,M	ND	2.0	ug/L							
Surrogate: 1,2-Dichloroethane-d4	*25.8*		ug/L	*25.00*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.3*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*22.9*		ug/L	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*24.3*		ug/L	*25.00*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	8.4		ug/L	10.00		84	70-130			
1,1,1-Trichloroethane	9.5		ug/L	10.00		95	70-130			
1,1,2,2-Tetrachloroethane	9.4		ug/L	10.00		94	70-130			
1,1,2-Trichloroethane	9.5		ug/L	10.00		95	70-130			
1,1-Dichloroethane	10.0		ug/L	10.00		100	70-130			
1,1-Dichloroethene	9.9		ug/L	10.00		99	70-130			
1,1-Dichloropropene	10.5		ug/L	10.00		105	70-130			
1,2,3-Trichlorobenzene	9.7		ug/L	10.00		97	70-130			
1,2,3-Trichloropropane	9.3		ug/L	10.00		93	70-130			
1,2,4-Trichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,2,4-Trimethylbenzene	10.1		ug/L	10.00		101	70-130			
1,2-Dibromo-3-Chloropropane	10.2		ug/L	10.00		102	70-130			
1,2-Dibromoethane	9.8		ug/L	10.00		98	70-130			
1,2-Dichlorobenzene	9.3		ug/L	10.00		93	70-130			
1,2-Dichloroethane	11.0		ug/L	10.00		110	70-130			
1,2-Dichloropropane	8.8		ug/L	10.00		88	70-130			
1,3,5-Trimethylbenzene	9.9		ug/L	10.00		99	70-130			
1,3-Dichlorobenzene	9.2		ug/L	10.00		92	70-130			
1,3-Dichloropropane	10.5		ug/L	10.00		105	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
1,4-Dichlorobenzene	9.3		ug/L	10.00		93	70-130			
1,4-Dioxane - Screen	17.2		ug/L	200.0		9	0-332			
2,2-Dichloropropane	10.8		ug/L	10.00		108	70-130			
2-Butanone	46.5		ug/L	50.00		93	70-130			
2-Chlorotoluene	9.6		ug/L	10.00		96	70-130			
2-Hexanone	45.5		ug/L	50.00		91	70-130			
4-Chlorotoluene	9.8		ug/L	10.00		98	70-130			
4-Isopropyltoluene	9.6		ug/L	10.00		96	70-130			
4-Methyl-2-Pentanone	54.5		ug/L	50.00		109	70-130			
Acetone	52.2		ug/L	50.00		104	70-130			
Benzene	10.4		ug/L	10.00		104	70-130			
Bromobenzene	9.6		ug/L	10.00		96	70-130			
Bromochloromethane	10.4		ug/L	10.00		104	70-130			
Bromodichloromethane	9.5		ug/L	10.00		95	70-130			
Bromoform	9.2		ug/L	10.00		92	70-130			
Bromomethane	8.8		ug/L	10.00		88	70-130			
Carbon Disulfide	9.9		ug/L	10.00		99	70-130			
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130			
Chlorobenzene	10.1		ug/L	10.00		101	70-130			
Chloroethane	9.2		ug/L	10.00		92	70-130			
Chloroform	10.5		ug/L	10.00		105	70-130			
Chloromethane	9.2		ug/L	10.00		92	70-130			
cis-1,2-Dichloroethene	10.0		ug/L	10.00		100	70-130			
cis-1,3-Dichloropropene	10.4		ug/L	10.00		104	70-130			
Dibromochloromethane	7.4		ug/L	10.00		74	70-130			
Dibromomethane	10.1		ug/L	10.00		101	70-130			
Dichlorodifluoromethane	10.5		ug/L	10.00		105	70-130			
Diethyl Ether	9.9		ug/L	10.00		99	70-130			
Di-isopropyl ether	9.5		ug/L	10.00		95	70-130			
Ethyl tertiary-butyl ether	10.0		ug/L	10.00		100	70-130			
Ethylbenzene	10.1		ug/L	10.00		101	70-130			
Hexachlorobutadiene	10.6		ug/L	10.00		106	70-130			
Hexachloroethane	9.8		ug/L	10.00		98	70-130			
Isopropylbenzene	9.2		ug/L	10.00		92	70-130			
Methyl tert-Butyl Ether	11.4		ug/L	10.00		114	70-130			
Methylene Chloride	10.2		ug/L	10.00		102	70-130			
Naphthalene	10.6		ug/L	10.00		106	70-130			
n-Butylbenzene	9.8		ug/L	10.00		98	70-130			
n-Propylbenzene	9.6		ug/L	10.00		96	70-130			
sec-Butylbenzene	9.9		ug/L	10.00		99	70-130			
Styrene	9.6		ug/L	10.00		96	70-130			
tert-Butylbenzene	9.7		ug/L	10.00		97	70-130			
Tertiary-amyl methyl ether	10.8		ug/L	10.00		108	70-130			
Tetrachloroethene	7.1		ug/L	10.00		71	70-130			
Tetrahydrofuran	9.9		ug/L	10.00		99	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Toluene	10.2		ug/L	10.00		102	70-130			
trans-1,2-Dichloroethene	9.9		ug/L	10.00		99	70-130			
trans-1,3-Dichloropropene	9.9		ug/L	10.00		99	70-130			
Trichloroethene	9.9		ug/L	10.00		99	70-130			
Trichlorofluoromethane	10.7		ug/L	10.00		107	70-130			
Vinyl Chloride	10.8		ug/L	10.00		108	70-130			
Xylene O	9.4		ug/L	10.00		94	70-130			
Xylene P,M	19.6		ug/L	20.00		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.2*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.9*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*23.7*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*23.9*		ug/L	*25.00*		*96*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	9.0		ug/L	10.00		90	70-130	8	20	
1,1,1-Trichloroethane	10.1		ug/L	10.00		101	70-130	6	20	
1,1,2,2-Tetrachloroethane	9.8		ug/L	10.00		98	70-130	3	20	
1,1,2-Trichloroethane	10.4		ug/L	10.00		104	70-130	9	20	
1,1-Dichloroethane	10.2		ug/L	10.00		102	70-130	2	20	
1,1-Dichloroethene	10.6		ug/L	10.00		106	70-130	7	20	
1,1-Dichloropropene	10.7		ug/L	10.00		107	70-130	1	20	
1,2,3-Trichlorobenzene	9.0		ug/L	10.00		90	70-130	7	20	
1,2,3-Trichloropropane	9.7		ug/L	10.00		97	70-130	4	20	
1,2,4-Trichlorobenzene	10.2		ug/L	10.00		102	70-130	2	20	
1,2,4-Trimethylbenzene	10.5		ug/L	10.00		105	70-130	4	20	
1,2-Dibromo-3-Chloropropane	10.3		ug/L	10.00		103	70-130	2	20	
1,2-Dibromoethane	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dichlorobenzene	9.8		ug/L	10.00		98	70-130	5	20	
1,2-Dichloroethane	11.1		ug/L	10.00		111	70-130	0.6	20	
1,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	17	20	
1,3,5-Trimethylbenzene	10.1		ug/L	10.00		101	70-130	2	20	
1,3-Dichlorobenzene	9.6		ug/L	10.00		96	70-130	5	20	
1,3-Dichloropropane	11.2		ug/L	10.00		112	70-130	7	20	
1,4-Dichlorobenzene	9.6		ug/L	10.00		96	70-130	3	20	
1,4-Dioxane - Screen	175		ug/L	200.0		87	0-332	164	200	
2,2-Dichloropropane	11.1		ug/L	10.00		111	70-130	2	20	
2-Butanone	49.1		ug/L	50.00		98	70-130	5	20	
2-Chlorotoluene	9.9		ug/L	10.00		99	70-130	3	20	
2-Hexanone	53.2		ug/L	50.00		106	70-130	16	20	
4-Chlorotoluene	10.3		ug/L	10.00		103	70-130	5	20	
4-Isopropyltoluene	10.6		ug/L	10.00		106	70-130	9	20	
4-Methyl-2-Pentanone	56.6		ug/L	50.00		113	70-130	4	20	
Acetone	45.5		ug/L	50.00		91	70-130	14	20	
Benzene	10.2		ug/L	10.00		102	70-130	3	20	
Bromobenzene	10.6		ug/L	10.00		106	70-130	10	20	
Bromochloromethane	10.6		ug/L	10.00		106	70-130	1	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90529 - 5030B										
Bromodichloromethane	9.5		ug/L	10.00		95	70-130	0.3	20	
Bromoform	9.6		ug/L	10.00		96	70-130	4	20	
Bromomethane	9.0		ug/L	10.00		90	70-130	2	20	
Carbon Disulfide	10.3		ug/L	10.00		103	70-130	4	20	
Carbon Tetrachloride	10.4		ug/L	10.00		104	70-130	4	20	
Chlorobenzene	10.7		ug/L	10.00		107	70-130	5	20	
Chloroethane	9.4		ug/L	10.00		94	70-130	2	20	
Chloroform	10.8		ug/L	10.00		108	70-130	2	20	
Chloromethane	9.7		ug/L	10.00		97	70-130	5	20	
cis-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130	3	20	
cis-1,3-Dichloropropene	10.4		ug/L	10.00		104	70-130	0.3	20	
Dibromochloromethane	8.1		ug/L	10.00		81	70-130	9	20	
Dibromomethane	10.7		ug/L	10.00		107	70-130	5	20	
Dichlorodifluoromethane	10.5		ug/L	10.00		105	70-130	0.5	20	
Diethyl Ether	9.6		ug/L	10.00		96	70-130	3	20	
Di-isopropyl ether	9.6		ug/L	10.00		96	70-130	1	20	
Ethyl tertiary-butyl ether	10.1		ug/L	10.00		101	70-130	0.2	20	
Ethylbenzene	10.7		ug/L	10.00		107	70-130	6	20	
Hexachlorobutadiene	9.9		ug/L	10.00		99	70-130	7	20	
Hexachloroethane	9.9		ug/L	10.00		99	70-130	2	20	
Isopropylbenzene	10.0		ug/L	10.00		100	70-130	8	20	
Methyl tert-Butyl Ether	11.5		ug/L	10.00		115	70-130	0.7	20	
Methylene Chloride	10.4		ug/L	10.00		104	70-130	3	20	
Naphthalene	10.4		ug/L	10.00		104	70-130	2	20	
n-Butylbenzene	10.9		ug/L	10.00		109	70-130	11	20	
n-Propylbenzene	9.9		ug/L	10.00		99	70-130	4	20	
sec-Butylbenzene	10.0		ug/L	10.00		100	70-130	0.7	20	
Styrene	10.4		ug/L	10.00		104	70-130	8	20	
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130	6	20	
Tertiary-amyl methyl ether	10.7		ug/L	10.00		107	70-130	0.4	20	
Tetrachloroethene	7.6		ug/L	10.00		76	70-130	7	20	
Tetrahydrofuran	10.8		ug/L	10.00		108	70-130	9	20	
Toluene	10.5		ug/L	10.00		105	70-130	3	20	
trans-1,2-Dichloroethene	9.7		ug/L	10.00		97	70-130	2	20	
trans-1,3-Dichloropropene	10.4		ug/L	10.00		104	70-130	5	20	
Trichloroethene	9.7		ug/L	10.00		97	70-130	2	20	
Trichlorofluoromethane	10.6		ug/L	10.00		106	70-130	1	20	
Vinyl Chloride	10.2		ug/L	10.00		102	70-130	5	20	
Xylene O	10.2		ug/L	10.00		102	70-130	8	20	
Xylene P,M	21.5		ug/L	20.00		108	70-130	9	20	
Surrogate: 1,2-Dichloroethane-d4	*24.8*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.8*		ug/L	*25.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*23.7*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.2*		ug/L	*25.00*		*97*	*70-130*			
Batch CF90649 - 5030B										

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
Blank										
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
1,1-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	1.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	1.0	ug/L							
1,2,4-Trimethylbenzene	ND	1.0	ug/L							
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
1,2-Dichlorobenzene	ND	1.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
1,3,5-Trimethylbenzene	ND	1.0	ug/L							
1,3-Dichlorobenzene	ND	1.0	ug/L							
1,3-Dichloropropane	ND	1.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
1,4-Dioxane - Screen	ND	500	ug/L							
2,2-Dichloropropane	ND	1.0	ug/L							
2-Butanone	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.0	ug/L							
2-Hexanone	ND	10.0	ug/L							
4-Chlorotoluene	ND	1.0	ug/L							
4-Isopropyltoluene	ND	1.0	ug/L							
4-Methyl-2-Pentanone	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.0	ug/L							
Bromobenzene	ND	2.0	ug/L							
Bromochloromethane	ND	1.0	ug/L							
Bromodichloromethane	ND	0.6	ug/L							
Bromoform	ND	1.0	ug/L							
Bromomethane	ND	2.0	ug/L							
Carbon Disulfide	ND	1.0	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	1.0	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	1.0	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	0.4	ug/L							
Dibromochloromethane	ND	1.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
Dibromomethane	ND	1.0	ug/L							
Dichlorodifluoromethane	ND	2.0	ug/L							
Diethyl Ether	ND	1.0	ug/L							
Di-isopropyl ether	ND	1.0	ug/L							
Ethyl tertiary-butyl ether	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Hexachlorobutadiene	ND	0.6	ug/L							
Hexachloroethane	ND	1.0	ug/L							
Isopropylbenzene	ND	1.0	ug/L							
Methyl tert-Butyl Ether	ND	1.0	ug/L							
Methylene Chloride	ND	2.0	ug/L							
Naphthalene	ND	1.0	ug/L							
n-Butylbenzene	ND	1.0	ug/L							
n-Propylbenzene	ND	1.0	ug/L							
sec-Butylbenzene	ND	1.0	ug/L							
Styrene	ND	1.0	ug/L							
tert-Butylbenzene	ND	1.0	ug/L							
Tertiary-amyl methyl ether	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Tetrahydrofuran	ND	5.0	ug/L							
Toluene	ND	1.0	ug/L							
trans-1,2-Dichloroethene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	0.4	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylene O	ND	1.0	ug/L							
Xylene P,M	ND	2.0	ug/L							
Surrogate: 1,2-Dichloroethane-d4	*24.9*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		ug/L	*25.00*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*24.6*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.2*		ug/L	*25.00*		*101*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.00		99	70-130			
1,1,1-Trichloroethane	9.8		ug/L	10.00		98	70-130			
1,1,2,2-Tetrachloroethane	10.3		ug/L	10.00		103	70-130			
1,1,2-Trichloroethane	9.9		ug/L	10.00		99	70-130			
1,1-Dichloroethane	10.2		ug/L	10.00		102	70-130			
1,1-Dichloroethene	9.9		ug/L	10.00		99	70-130			
1,1-Dichloropropene	10.0		ug/L	10.00		100	70-130			
1,2,3-Trichlorobenzene	9.9		ug/L	10.00		99	70-130			
1,2,3-Trichloropropane	10.1		ug/L	10.00		101	70-130			
1,2,4-Trichlorobenzene	10.2		ug/L	10.00		102	70-130			
1,2,4-Trimethylbenzene	10.8		ug/L	10.00		108	70-130			
1,2-Dibromo-3-Chloropropane	9.7		ug/L	10.00		97	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
1,2-Dibromoethane	9.8		ug/L	10.00		98	70-130			
1,2-Dichlorobenzene	9.8		ug/L	10.00		98	70-130			
1,2-Dichloroethane	9.8		ug/L	10.00		98	70-130			
1,2-Dichloropropane	9.9		ug/L	10.00		99	70-130			
1,3,5-Trimethylbenzene	10.6		ug/L	10.00		106	70-130			
1,3-Dichlorobenzene	9.8		ug/L	10.00		98	70-130			
1,3-Dichloropropane	10.4		ug/L	10.00		104	70-130			
1,4-Dichlorobenzene	9.9		ug/L	10.00		99	70-130			
1,4-Dioxane - Screen	198		ug/L	200.0		99	0-332			
2,2-Dichloropropane	10.0		ug/L	10.00		100	70-130			
2-Butanone	48.1		ug/L	50.00		96	70-130			
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130			
2-Hexanone	51.4		ug/L	50.00		103	70-130			
4-Chlorotoluene	10.4		ug/L	10.00		104	70-130			
4-Isopropyltoluene	10.1		ug/L	10.00		101	70-130			
4-Methyl-2-Pentanone	51.7		ug/L	50.00		103	70-130			
Acetone	45.8		ug/L	50.00		92	70-130			
Benzene	9.8		ug/L	10.00		98	70-130			
Bromobenzene	10.1		ug/L	10.00		101	70-130			
Bromochloromethane	9.4		ug/L	10.00		94	70-130			
Bromodichloromethane	10.0		ug/L	10.00		100	70-130			
Bromoform	9.6		ug/L	10.00		96	70-130			
Bromomethane	10.7		ug/L	10.00		107	70-130			
Carbon Disulfide	10.5		ug/L	10.00		105	70-130			
Carbon Tetrachloride	9.4		ug/L	10.00		94	70-130			
Chlorobenzene	9.6		ug/L	10.00		96	70-130			
Chloroethane	9.7		ug/L	10.00		97	70-130			
Chloroform	9.8		ug/L	10.00		98	70-130			
Chloromethane	10.3		ug/L	10.00		103	70-130			
cis-1,2-Dichloroethene	9.6		ug/L	10.00		96	70-130			
cis-1,3-Dichloropropene	10.5		ug/L	10.00		105	70-130			
Dibromochloromethane	9.8		ug/L	10.00		98	70-130			
Dibromomethane	9.9		ug/L	10.00		99	70-130			
Dichlorodifluoromethane	10.6		ug/L	10.00		106	70-130			
Diethyl Ether	10.9		ug/L	10.00		109	70-130			
Di-isopropyl ether	10.0		ug/L	10.00		100	70-130			
Ethyl tertiary-butyl ether	9.7		ug/L	10.00		97	70-130			
Ethylbenzene	10.1		ug/L	10.00		101	70-130			
Hexachlorobutadiene	9.8		ug/L	10.00		98	70-130			
Hexachloroethane	9.7		ug/L	10.00		97	70-130			
Isopropylbenzene	10.4		ug/L	10.00		104	70-130			
Methyl tert-Butyl Ether	10.6		ug/L	10.00		106	70-130			
Methylene Chloride	10.1		ug/L	10.00		101	70-130			
Naphthalene	10.4		ug/L	10.00		104	70-130			
n-Butylbenzene	10.4		ug/L	10.00		104	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
n-Propylbenzene	10.2		ug/L	10.00		102	70-130			
sec-Butylbenzene	10.1		ug/L	10.00		101	70-130			
Styrene	10.5		ug/L	10.00		105	70-130			
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130			
Tertiary-amyl methyl ether	10.0		ug/L	10.00		100	70-130			
Tetrachloroethene	8.1		ug/L	10.00		81	70-130			
Tetrahydrofuran	9.9		ug/L	10.00		99	70-130			
Toluene	9.8		ug/L	10.00		98	70-130			
trans-1,2-Dichloroethene	9.9		ug/L	10.00		99	70-130			
trans-1,3-Dichloropropene	10.8		ug/L	10.00		108	70-130			
Trichloroethene	9.4		ug/L	10.00		94	70-130			
Trichlorofluoromethane	10.0		ug/L	10.00		100	70-130			
Vinyl Chloride	9.7		ug/L	10.00		97	70-130			
Xylene O	10.4		ug/L	10.00		104	70-130			
Xylene P,M	20.8		ug/L	20.00		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.0*		ug/L	*25.00*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.9*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*24.4*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.8*		ug/L	*25.00*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.00		103	70-130	5	20	
1,1,1-Trichloroethane	10.2		ug/L	10.00		102	70-130	4	20	
1,1,2,2-Tetrachloroethane	10.8		ug/L	10.00		108	70-130	4	20	
1,1,2-Trichloroethane	10.1		ug/L	10.00		101	70-130	2	20	
1,1-Dichloroethane	10.6		ug/L	10.00		106	70-130	4	20	
1,1-Dichloroethene	10.4		ug/L	10.00		104	70-130	5	20	
1,1-Dichloropropene	10.3		ug/L	10.00		103	70-130	3	20	
1,2,3-Trichlorobenzene	10.4		ug/L	10.00		104	70-130	5	20	
1,2,3-Trichloropropane	10.2		ug/L	10.00		102	70-130	1	20	
1,2,4-Trichlorobenzene	10.7		ug/L	10.00		107	70-130	5	20	
1,2,4-Trimethylbenzene	11.6		ug/L	10.00		116	70-130	6	20	
1,2-Dibromo-3-Chloropropane	9.4		ug/L	10.00		94	70-130	4	20	
1,2-Dibromoethane	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	5	20	
1,2-Dichloroethane	9.8		ug/L	10.00		98	70-130	0.2	20	
1,2-Dichloropropane	10.3		ug/L	10.00		103	70-130	4	20	
1,3,5-Trimethylbenzene	11.2		ug/L	10.00		112	70-130	5	20	
1,3-Dichlorobenzene	10.2		ug/L	10.00		102	70-130	4	20	
1,3-Dichloropropane	10.6		ug/L	10.00		106	70-130	2	20	
1,4-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	3	20	
1,4-Dioxane - Screen	206		ug/L	200.0		103	0-332	4	200	
2,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	4	20	
2-Butanone	49.0		ug/L	50.00		98	70-130	2	20	
2-Chlorotoluene	10.6		ug/L	10.00		106	70-130	4	20	
2-Hexanone	52.5		ug/L	50.00		105	70-130	2	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
4-Chlorotoluene	10.8		ug/L	10.00		108	70-130	4	20	
4-Isopropyltoluene	10.6		ug/L	10.00		106	70-130	5	20	
4-Methyl-2-Pentanone	52.5		ug/L	50.00		105	70-130	2	20	
Acetone	46.8		ug/L	50.00		94	70-130	2	20	
Benzene	10.2		ug/L	10.00		102	70-130	4	20	
Bromobenzene	10.6		ug/L	10.00		106	70-130	5	20	
Bromochloromethane	9.8		ug/L	10.00		98	70-130	4	20	
Bromodichloromethane	10.2		ug/L	10.00		102	70-130	1	20	
Bromoform	10.0		ug/L	10.00		100	70-130	3	20	
Bromomethane	11.0		ug/L	10.00		110	70-130	2	20	
Carbon Disulfide	11.0		ug/L	10.00		110	70-130	5	20	
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130	6	20	
Chlorobenzene	10.0		ug/L	10.00		100	70-130	4	20	
Chloroethane	10.3		ug/L	10.00		103	70-130	6	20	
Chloroform	10.1		ug/L	10.00		101	70-130	3	20	
Chloromethane	10.6		ug/L	10.00		106	70-130	3	20	
cis-1,2-Dichloroethene	9.9		ug/L	10.00		99	70-130	2	20	
cis-1,3-Dichloropropene	11.0		ug/L	10.00		110	70-130	4	20	
Dibromochloromethane	10.1		ug/L	10.00		101	70-130	4	20	
Dibromomethane	10.2		ug/L	10.00		102	70-130	2	20	
Dichlorodifluoromethane	11.1		ug/L	10.00		111	70-130	5	20	
Diethyl Ether	11.0		ug/L	10.00		110	70-130	1	20	
Di-isopropyl ether	10.4		ug/L	10.00		104	70-130	4	20	
Ethyl tertiary-butyl ether	9.9		ug/L	10.00		99	70-130	2	20	
Ethylbenzene	10.8		ug/L	10.00		108	70-130	6	20	
Hexachlorobutadiene	10.6		ug/L	10.00		106	70-130	8	20	
Hexachloroethane	10.2		ug/L	10.00		102	70-130	6	20	
Isopropylbenzene	10.9		ug/L	10.00		109	70-130	5	20	
Methyl tert-Butyl Ether	10.8		ug/L	10.00		108	70-130	2	20	
Methylene Chloride	10.5		ug/L	10.00		105	70-130	4	20	
Naphthalene	10.7		ug/L	10.00		107	70-130	3	20	
n-Butylbenzene	11.1		ug/L	10.00		111	70-130	6	20	
n-Propylbenzene	10.8		ug/L	10.00		108	70-130	5	20	
sec-Butylbenzene	10.8		ug/L	10.00		108	70-130	6	20	
Styrene	10.9		ug/L	10.00		109	70-130	4	20	
tert-Butylbenzene	10.8		ug/L	10.00		108	70-130	5	20	
Tertiary-amyl methyl ether	10.4		ug/L	10.00		104	70-130	3	20	
Tetrachloroethene	8.7		ug/L	10.00		87	70-130	7	20	
Tetrahydrofuran	9.9		ug/L	10.00		99	70-130	0.2	20	
Toluene	10.2		ug/L	10.00		102	70-130	4	20	
trans-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130	7	20	
trans-1,3-Dichloropropene	10.8		ug/L	10.00		108	70-130	0	20	
Trichloroethene	9.8		ug/L	10.00		98	70-130	4	20	
Trichlorofluoromethane	10.4		ug/L	10.00		104	70-130	4	20	
Vinyl Chloride	9.9		ug/L	10.00		99	70-130	2	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
Xylene O	10.7		ug/L	10.00		107	70-130	2	20	
Xylene P,M	21.9		ug/L	20.00		110	70-130	5	20	
Surrogate: 1,2-Dichloroethane-d4	*23.8*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.0*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*24.4*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		ug/L	*25.00*		*100*	*70-130*			
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Isophorone	ND	10.0	ug/L							
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*79.3*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*128*		ug/L	*150.0*		*86*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*88.1*		ug/L	*100.0*		*88*	*30-130*			
Surrogate: 2-Fluorophenol	*95.9*		ug/L	*150.0*		*64*	*15-110*			
Surrogate: Nitrobenzene-d5	*85.4*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Phenol-d6	*128*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: p-Terphenyl-d14	*99.2*		ug/L	*100.0*		*99*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	75.4	10.0	ug/L	100.0		75	40-140			
1,2-Dichlorobenzene	72.1	10.0	ug/L	100.0		72	40-140			
1,3-Dichlorobenzene	70.7	10.0	ug/L	100.0		71	40-140			
1,4-Dichlorobenzene	71.0	10.0	ug/L	100.0		71	40-140			
2,4,5-Trichlorophenol	84.9	10.0	ug/L	100.0		85	30-130			
2,4,6-Trichlorophenol	81.7	10.0	ug/L	100.0		82	30-130			
2,4-Dichlorophenol	80.3	10.0	ug/L	100.0		80	30-130			
2,4-Dimethylphenol	68.8	50.0	ug/L	100.0		69	30-130			
2,4-Dinitrophenol	74.8	50.0	ug/L	100.0		75	30-130			
2,4-Dinitrotoluene	98.9	10.0	ug/L	100.0		99	40-140			
2,6-Dinitrotoluene	92.0	10.0	ug/L	100.0		92	40-140			
2-Chloronaphthalene	73.4	10.0	ug/L	100.0		73	40-140			
2-Chlorophenol	67.7	10.0	ug/L	100.0		68	30-130			
2-Methylphenol	73.8	10.0	ug/L	100.0		74	30-130			
2-Nitrophenol	76.2	10.0	ug/L	100.0		76	30-130			
3,3´-Dichlorobenzidine	71.3	20.0	ug/L	100.0		71	40-140			
3+4-Methylphenol	160	20.0	ug/L	200.0		80	30-130			
4-Bromophenyl-phenylether	97.0	10.0	ug/L	100.0		97	40-140			
4-Chloroaniline	73.0	20.0	ug/L	100.0		73	40-140			
4-Nitrophenol	82.9	50.0	ug/L	100.0		83	30-130			
Acetophenone	76.8	10.0	ug/L	100.0		77	40-140			
Aniline	70.0	10.0	ug/L	100.0		70	40-140			
Azobenzene	84.1	20.0	ug/L	100.0		84	40-140			
bis(2-Chloroethoxy)methane	78.8	10.0	ug/L	100.0		79	40-140			
bis(2-Chloroethyl)ether	76.9	10.0	ug/L	100.0		77	40-140			
bis(2-chloroisopropyl)Ether	73.2	10.0	ug/L	100.0		73	40-140			
bis(2-Ethylhexyl)phthalate	99.6	6.0	ug/L	100.0		100	40-140			
Butylbenzylphthalate	95.8	10.0	ug/L	100.0		96	40-140			
Dibenzofuran	84.4	10.0	ug/L	100.0		84	40-140			
Diethylphthalate	94.1	10.0	ug/L	100.0		94	40-140			
Dimethylphthalate	94.2	10.0	ug/L	100.0		94	40-140			
Di-n-butylphthalate	93.1	10.0	ug/L	100.0		93	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Di-n-octylphthalate	109	10.0	ug/L	100.0		109	40-140			
Hexachlorobutadiene	74.1	10.0	ug/L	100.0		74	40-140			
Hexachloroethane	72.0	5.0	ug/L	100.0		72	40-140			
Isophorone	70.9	10.0	ug/L	100.0		71	40-140			
Nitrobenzene	74.7	10.0	ug/L	100.0		75	40-140			
N-Nitrosodimethylamine	64.4	10.0	ug/L	100.0		64	40-140			
Phenol	72.3	10.0	ug/L	100.0		72	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*73.0*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*131*		ug/L	*150.0*		*88*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*108*		ug/L	*150.0*		*72*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.8*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*90.4*		ug/L	*150.0*		*60*	*15-110*			
Surrogate: Nitrobenzene-d5	*78.8*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: Phenol-d6	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: p-Terphenyl-d14	*96.0*		ug/L	*100.0*		*96*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	80.8	10.0	ug/L	100.0		81	40-140	7	20	
1,2-Dichlorobenzene	77.0	10.0	ug/L	100.0		77	40-140	7	20	
1,3-Dichlorobenzene	74.1	10.0	ug/L	100.0		74	40-140	5	20	
1,4-Dichlorobenzene	75.9	10.0	ug/L	100.0		76	40-140	7	20	
2,4,5-Trichlorophenol	81.2	10.0	ug/L	100.0		81	30-130	4	20	
2,4,6-Trichlorophenol	81.3	10.0	ug/L	100.0		81	30-130	0.6	20	
2,4-Dichlorophenol	83.6	10.0	ug/L	100.0		84	30-130	4	20	
2,4-Dimethylphenol	71.4	50.0	ug/L	100.0		71	30-130	4	20	
2,4-Dinitrophenol	78.4	50.0	ug/L	100.0		78	30-130	5	20	
2,4-Dinitrotoluene	94.9	10.0	ug/L	100.0		95	40-140	4	20	
2,6-Dinitrotoluene	89.4	10.0	ug/L	100.0		89	40-140	3	20	
2-Chloronaphthalene	70.7	10.0	ug/L	100.0		71	40-140	4	20	
2-Chlorophenol	73.6	10.0	ug/L	100.0		74	30-130	8	20	
2-Methylphenol	77.4	10.0	ug/L	100.0		77	30-130	5	20	
2-Nitrophenol	82.1	10.0	ug/L	100.0		82	30-130	8	20	
3,3´-Dichlorobenzidine	74.6	20.0	ug/L	100.0		75	40-140	4	20	
3+4-Methylphenol	167	20.0	ug/L	200.0		84	30-130	4	20	
4-Bromophenyl-phenylether	96.1	10.0	ug/L	100.0		96	40-140	1	20	
4-Chloroaniline	74.1	20.0	ug/L	100.0		74	40-140	2	20	
4-Nitrophenol	81.2	50.0	ug/L	100.0		81	30-130	2	20	
Acetophenone	81.6	10.0	ug/L	100.0		82	40-140	6	20	
Aniline	74.4	10.0	ug/L	100.0		74	40-140	6	20	
Azobenzene	90.4	20.0	ug/L	100.0		90	40-140	7	20	
bis(2-Chloroethoxy)methane	82.3	10.0	ug/L	100.0		82	40-140	4	20	
bis(2-Chloroethyl)ether	83.2	10.0	ug/L	100.0		83	40-140	8	20	
bis(2-chloroisopropyl)Ether	79.3	10.0	ug/L	100.0		79	40-140	8	20	
bis(2-Ethylhexyl)phthalate	103	6.0	ug/L	100.0		103	40-140	3	20	
Butylbenzylphthalate	95.9	10.0	ug/L	100.0		96	40-140	0.05	20	
Dibenzofuran	83.1	10.0	ug/L	100.0		83	40-140	1	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Diethylphthalate	91.6	10.0	ug/L	100.0		92	40-140	3	20	
Dimethylphthalate	93.4	10.0	ug/L	100.0		93	40-140	0.9	20	
Di-n-butylphthalate	95.9	10.0	ug/L	100.0		96	40-140	3	20	
Di-n-octylphthalate	102	10.0	ug/L	100.0		102	40-140	7	20	
Hexachlorobutadiene	80.4	10.0	ug/L	100.0		80	40-140	8	20	
Hexachloroethane	76.6	5.0	ug/L	100.0		77	40-140	6	20	
Isophorone	75.1	10.0	ug/L	100.0		75	40-140	6	20	
Nitrobenzene	80.6	10.0	ug/L	100.0		81	40-140	8	20	
N-Nitrosodimethylamine	71.7	10.0	ug/L	100.0		72	40-140	11	20	
Phenol	76.9	10.0	ug/L	100.0		77	30-130	6	20	
Surrogate: 1,2-Dichlorobenzene-d4	*79.3*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*128*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*117*		ug/L	*150.0*		*78*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*82.4*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*100*		ug/L	*150.0*		*67*	*15-110*			
Surrogate: Nitrobenzene-d5	*84.8*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Phenol-d6	*124*		ug/L	*150.0*		*83*	*15-110*			
Surrogate: p-Terphenyl-d14	*99.9*		ug/L	*100.0*		*100*	*30-130*			
Batch CF90720 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90720 - 3520C										
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*76.4*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*116*		ug/L	*150.0*		*77*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*110*		ug/L	*150.0*		*73*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*73.3*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2-Fluorophenol	*87.4*		ug/L	*150.0*		*58*	*15-110*			
Surrogate: Nitrobenzene-d5	*81.8*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: Phenol-d6	*115*		ug/L	*150.0*		*77*	*15-110*			
Surrogate: p-Terphenyl-d14	*84.7*		ug/L	*100.0*		*85*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	83.1	10.0	ug/L	100.0		83	40-140			
1,2-Dichlorobenzene	79.2	10.0	ug/L	100.0		79	40-140			
1,3-Dichlorobenzene	76.7	10.0	ug/L	100.0		77	40-140			
1,4-Dichlorobenzene	77.6	10.0	ug/L	100.0		78	40-140			
2,4,5-Trichlorophenol	84.3	10.0	ug/L	100.0		84	30-130			
2,4,6-Trichlorophenol	79.9	10.0	ug/L	100.0		80	30-130			
2,4-Dichlorophenol	82.2	10.0	ug/L	100.0		82	30-130			
2,4-Dimethylphenol	80.8	50.0	ug/L	100.0		81	30-130			
2,4-Dinitrophenol	80.7	50.0	ug/L	100.0		81	30-130			
2,4-Dinitrotoluene	87.0	10.0	ug/L	100.0		87	40-140			
2,6-Dinitrotoluene	87.7	10.0	ug/L	100.0		88	40-140			
2-Chloronaphthalene	82.0	10.0	ug/L	100.0		82	40-140			
2-Chlorophenol	74.9	10.0	ug/L	100.0		75	30-130			
2-Methylphenol	77.5	10.0	ug/L	100.0		77	30-130			
2-Nitrophenol	74.8	10.0	ug/L	100.0		75	30-130			
3,3´-Dichlorobenzidine	74.1	20.0	ug/L	100.0		74	40-140			
3+4-Methylphenol	163	20.0	ug/L	200.0		82	30-130			
4-Bromophenyl-phenylether	89.7	10.0	ug/L	100.0		90	40-140			
4-Chloroaniline	71.8	20.0	ug/L	100.0		72	40-140			
4-Nitrophenol	83.9	50.0	ug/L	100.0		84	30-130			
Acetophenone	78.3	10.0	ug/L	100.0		78	40-140			
Aniline	74.3	10.0	ug/L	100.0		74	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90720 - 3520C										
Azobenzene	86.5	20.0	ug/L	100.0		87	40-140			
bis(2-Chloroethoxy)methane	82.9	10.0	ug/L	100.0		83	40-140			
bis(2-Chloroethyl)ether	80.8	10.0	ug/L	100.0		81	40-140			
bis(2-chloroisopropyl)Ether	78.5	10.0	ug/L	100.0		78	40-140			
bis(2-Ethylhexyl)phthalate	89.7	6.0	ug/L	100.0		90	40-140			
Butylbenzylphthalate	90.2	10.0	ug/L	100.0		90	40-140			
Dibenzofuran	80.7	10.0	ug/L	100.0		81	40-140			
Diethylphthalate	88.7	10.0	ug/L	100.0		89	40-140			
Dimethylphthalate	92.2	10.0	ug/L	100.0		92	40-140			
Di-n-butylphthalate	89.9	10.0	ug/L	100.0		90	40-140			
Di-n-octylphthalate	88.0	10.0	ug/L	100.0		88	40-140			
Hexachlorobutadiene	81.1	10.0	ug/L	100.0		81	40-140			
Hexachloroethane	76.0	5.0	ug/L	100.0		76	40-140			
Isophorone	71.9	10.0	ug/L	100.0		72	40-140			
Nitrobenzene	84.3	10.0	ug/L	100.0		84	40-140			
N-Nitrosodimethylamine	81.8	10.0	ug/L	100.0		82	40-140			
Phenol	78.3	10.0	ug/L	100.0		78	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*82.1*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*125*		ug/L	*150.0*		*84*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*121*		ug/L	*150.0*		*81*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*87.3*		ug/L	*100.0*		*87*	*30-130*			
Surrogate: 2-Fluorophenol	*100*		ug/L	*150.0*		*67*	*15-110*			
Surrogate: Nitrobenzene-d5	*90.3*		ug/L	*100.0*		*90*	*30-130*			
Surrogate: Phenol-d6	*129*		ug/L	*150.0*		*86*	*15-110*			
Surrogate: p-Terphenyl-d14	*91.9*		ug/L	*100.0*		*92*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	84.7	10.0	ug/L	100.0		85	40-140	2	20	
1,2-Dichlorobenzene	80.8	10.0	ug/L	100.0		81	40-140	2	20	
1,3-Dichlorobenzene	78.3	10.0	ug/L	100.0		78	40-140	2	20	
1,4-Dichlorobenzene	78.3	10.0	ug/L	100.0		78	40-140	0.9	20	
2,4,5-Trichlorophenol	85.4	10.0	ug/L	100.0		85	30-130	1	20	
2,4,6-Trichlorophenol	80.1	10.0	ug/L	100.0		80	30-130	0.2	20	
2,4-Dichlorophenol	81.2	10.0	ug/L	100.0		81	30-130	1	20	
2,4-Dimethylphenol	78.4	50.0	ug/L	100.0		78	30-130	3	20	
2,4-Dinitrophenol	80.4	50.0	ug/L	100.0		80	30-130	0.3	20	
2,4-Dinitrotoluene	89.7	10.0	ug/L	100.0		90	40-140	3	20	
2,6-Dinitrotoluene	87.9	10.0	ug/L	100.0		88	40-140	0.3	20	
2-Chloronaphthalene	81.2	10.0	ug/L	100.0		81	40-140	0.9	20	
2-Chlorophenol	75.2	10.0	ug/L	100.0		75	30-130	0.4	20	
2-Methylphenol	76.3	10.0	ug/L	100.0		76	30-130	2	20	
2-Nitrophenol	75.9	10.0	ug/L	100.0		76	30-130	1	20	
3,3´-Dichlorobenzidine	74.1	20.0	ug/L	100.0		74	40-140	0.04	20	
3+4-Methylphenol	161	20.0	ug/L	200.0		81	30-130	1	20	
4-Bromophenyl-phenylether	90.1	10.0	ug/L	100.0		90	40-140	0.5	20	
4-Chloroaniline	72.9	20.0	ug/L	100.0		73	40-140	2	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90720 - 3520C										
4-Nitrophenol	82.8	50.0	ug/L	100.0		83	30-130	1	20	
Acetophenone	76.7	10.0	ug/L	100.0		77	40-140	2	20	
Aniline	73.3	10.0	ug/L	100.0		73	40-140	1	20	
Azobenzene	87.7	20.0	ug/L	100.0		88	40-140	1	20	
bis(2-Chloroethoxy)methane	82.3	10.0	ug/L	100.0		82	40-140	0.8	20	
bis(2-Chloroethyl)ether	82.1	10.0	ug/L	100.0		82	40-140	2	20	
bis(2-chloroisopropyl)Ether	76.8	10.0	ug/L	100.0		77	40-140	2	20	
bis(2-Ethylhexyl)phthalate	91.4	6.0	ug/L	100.0		91	40-140	2	20	
Butylbenzylphthalate	92.0	10.0	ug/L	100.0		92	40-140	2	20	
Dibenzofuran	83.1	10.0	ug/L	100.0		83	40-140	3	20	
Diethylphthalate	88.8	10.0	ug/L	100.0		89	40-140	0.2	20	
Dimethylphthalate	91.8	10.0	ug/L	100.0		92	40-140	0.5	20	
Di-n-butylphthalate	89.9	10.0	ug/L	100.0		90	40-140	0.04	20	
Di-n-octylphthalate	90.8	10.0	ug/L	100.0		91	40-140	3	20	
Hexachlorobutadiene	83.7	10.0	ug/L	100.0		84	40-140	3	20	
Hexachloroethane	77.5	5.0	ug/L	100.0		77	40-140	2	20	
Isophorone	72.3	10.0	ug/L	100.0		72	40-140	0.6	20	
Nitrobenzene	84.1	10.0	ug/L	100.0		84	40-140	0.2	20	
N-Nitrosodimethylamine	80.4	10.0	ug/L	100.0		80	40-140	2	20	
Phenol	77.7	10.0	ug/L	100.0		78	30-130	0.8	20	
Surrogate: 1,2-Dichlorobenzene-d4	*80.5*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*127*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*119*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*86.2*		ug/L	*100.0*		*86*	*30-130*			
Surrogate: 2-Fluorophenol	*101*		ug/L	*150.0*		*67*	*15-110*			
Surrogate: Nitrobenzene-d5	*89.5*		ug/L	*100.0*		*90*	*30-130*			
Surrogate: Phenol-d6	*126*		ug/L	*150.0*		*84*	*15-110*			
Surrogate: p-Terphenyl-d14	*92.6*		ug/L	*100.0*		*93*	*30-130*			
Batch CF91228 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*73.1*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*111*		ug/L	*150.0*		*74*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*114*		ug/L	*150.0*		*76*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*69.6*		ug/L	*100.0*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*95.4*		ug/L	*150.0*		*64*	*15-110*			
Surrogate: Nitrobenzene-d5	*78.3*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: Phenol-d6	*130*		ug/L	*150.0*		*87*	*15-110*			
Surrogate: p-Terphenyl-d14	*74.4*		ug/L	*100.0*		*74*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	78.3	10.0	ug/L	100.0		78	40-140			
1,2-Dichlorobenzene	77.6	10.0	ug/L	100.0		78	40-140			
1,3-Dichlorobenzene	73.5	10.0	ug/L	100.0		74	40-140			
1,4-Dichlorobenzene	74.1	10.0	ug/L	100.0		74	40-140			
2,4,5-Trichlorophenol	84.5	10.0	ug/L	100.0		84	30-130			
2,4,6-Trichlorophenol	80.6	10.0	ug/L	100.0		81	30-130			
2,4-Dichlorophenol	83.9	10.0	ug/L	100.0		84	30-130			
2,4-Dimethylphenol	72.8	50.0	ug/L	100.0		73	30-130			
2,4-Dinitrophenol	88.9	50.0	ug/L	100.0		89	30-130			
2,4-Dinitrotoluene	95.9	10.0	ug/L	100.0		96	40-140			
2,6-Dinitrotoluene	83.9	10.0	ug/L	100.0		84	40-140			
2-Chloronaphthalene	104	10.0	ug/L	100.0		104	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
2-Chlorophenol	77.7	10.0	ug/L	100.0		78	30-130			
2-Methylphenol	86.7	10.0	ug/L	100.0		87	30-130			
2-Nitrophenol	79.8	10.0	ug/L	100.0		80	30-130			
3,3´-Dichlorobenzidine	77.8	20.0	ug/L	100.0		78	40-140			
3+4-Methylphenol	187	20.0	ug/L	200.0		93	30-130			
4-Bromophenyl-phenylether	83.7	10.0	ug/L	100.0		84	40-140			
4-Chloroaniline	80.1	20.0	ug/L	100.0		80	40-140			
4-Nitrophenol	99.7	50.0	ug/L	100.0		100	30-130			
Acetophenone	87.9	10.0	ug/L	100.0		88	40-140			
Aniline	81.7	10.0	ug/L	100.0		82	40-140			
Azobenzene	79.8	20.0	ug/L	100.0		80	40-140			
bis(2-Chloroethoxy)methane	80.5	10.0	ug/L	100.0		80	40-140			
bis(2-Chloroethyl)ether	86.3	10.0	ug/L	100.0		86	40-140			
bis(2-chloroisopropyl)Ether	78.3	10.0	ug/L	100.0		78	40-140			
bis(2-Ethylhexyl)phthalate	82.5	6.0	ug/L	100.0		83	40-140			
Butylbenzylphthalate	79.5	10.0	ug/L	100.0		80	40-140			
Dibenzofuran	80.1	10.0	ug/L	100.0		80	40-140			
Diethylphthalate	91.6	10.0	ug/L	100.0		92	40-140			
Dimethylphthalate	93.4	10.0	ug/L	100.0		93	40-140			
Di-n-butylphthalate	91.9	10.0	ug/L	100.0		92	40-140			
Di-n-octylphthalate	78.4	10.0	ug/L	100.0		78	40-140			
Hexachlorobutadiene	74.2	10.0	ug/L	100.0		74	40-140			
Hexachloroethane	75.4	5.0	ug/L	100.0		75	40-140			
Isophorone	74.0	10.0	ug/L	100.0		74	40-140			
Nitrobenzene	81.2	10.0	ug/L	100.0		81	40-140			
N-Nitrosodimethylamine	76.2	10.0	ug/L	100.0		76	40-140			
Phenol	87.1	10.0	ug/L	100.0		87	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*76.4*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*126*		ug/L	*150.0*		*84*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*122*		ug/L	*150.0*		*81*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*76.5*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2-Fluorophenol	*103*		ug/L	*150.0*		*69*	*15-110*			
Surrogate: Nitrobenzene-d5	*83.6*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: Phenol-d6	*138*		ug/L	*150.0*		*92*	*15-110*			
Surrogate: p-Terphenyl-d14	*76.0*		ug/L	*100.0*		*76*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	80.3	10.0	ug/L	100.0		80	40-140	2	20	
1,2-Dichlorobenzene	80.7	10.0	ug/L	100.0		81	40-140	4	20	
1,3-Dichlorobenzene	78.2	10.0	ug/L	100.0		78	40-140	6	20	
1,4-Dichlorobenzene	79.3	10.0	ug/L	100.0		79	40-140	7	20	
2,4,5-Trichlorophenol	87.7	10.0	ug/L	100.0		88	30-130	4	20	
2,4,6-Trichlorophenol	85.3	10.0	ug/L	100.0		85	30-130	6	20	
2,4-Dichlorophenol	84.6	10.0	ug/L	100.0		85	30-130	0.9	20	
2,4-Dimethylphenol	77.2	50.0	ug/L	100.0		77	30-130	6	20	
2,4-Dinitrophenol	94.8	50.0	ug/L	100.0		95	30-130	6	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
2,4-Dinitrotoluene	102	10.0	ug/L	100.0		102	40-140	6	20	
2,6-Dinitrotoluene	90.5	10.0	ug/L	100.0		91	40-140	8	20	
2-Chloronaphthalene	110	10.0	ug/L	100.0		110	40-140	5	20	
2-Chlorophenol	80.4	10.0	ug/L	100.0		80	30-130	3	20	
2-Methylphenol	87.6	10.0	ug/L	100.0		88	30-130	1	20	
2-Nitrophenol	82.6	10.0	ug/L	100.0		83	30-130	3	20	
3,3´-Dichlorobenzidine	81.7	20.0	ug/L	100.0		82	40-140	5	20	
3+4-Methylphenol	185	20.0	ug/L	200.0		93	30-130	0.8	20	
4-Bromophenyl-phenylether	92.0	10.0	ug/L	100.0		92	40-140	9	20	
4-Chloroaniline	79.3	20.0	ug/L	100.0		79	40-140	1	20	
4-Nitrophenol	111	50.0	ug/L	100.0		111	30-130	10	20	
Acetophenone	88.2	10.0	ug/L	100.0		88	40-140	0.3	20	
Aniline	81.3	10.0	ug/L	100.0		81	40-140	0.6	20	
Azobenzene	85.7	20.0	ug/L	100.0		86	40-140	7	20	
bis(2-Chloroethoxy)methane	82.8	10.0	ug/L	100.0		83	40-140	3	20	
bis(2-Chloroethyl)ether	89.9	10.0	ug/L	100.0		90	40-140	4	20	
bis(2-chloroisopropyl)Ether	81.2	10.0	ug/L	100.0		81	40-140	4	20	
bis(2-Ethylhexyl)phthalate	88.3	6.0	ug/L	100.0		88	40-140	7	20	
Butylbenzylphthalate	85.3	10.0	ug/L	100.0		85	40-140	7	20	
Dibenzofuran	83.7	10.0	ug/L	100.0		84	40-140	4	20	
Diethylphthalate	97.7	10.0	ug/L	100.0		98	40-140	6	20	
Dimethylphthalate	97.0	10.0	ug/L	100.0		97	40-140	4	20	
Di-n-butylphthalate	97.1	10.0	ug/L	100.0		97	40-140	5	20	
Di-n-octylphthalate	86.1	10.0	ug/L	100.0		86	40-140	9	20	
Hexachlorobutadiene	75.9	10.0	ug/L	100.0		76	40-140	2	20	
Hexachloroethane	79.4	5.0	ug/L	100.0		79	40-140	5	20	
Isophorone	74.8	10.0	ug/L	100.0		75	40-140	1	20	
Nitrobenzene	81.9	10.0	ug/L	100.0		82	40-140	0.9	20	
N-Nitrosodimethylamine	78.4	10.0	ug/L	100.0		78	40-140	3	20	
Phenol	86.2	10.0	ug/L	100.0		86	30-130	1	20	
Surrogate: 1,2-Dichlorobenzene-d4	*78.9*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*137*		ug/L	*150.0*		*91*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*124*		ug/L	*150.0*		*82*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.4*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: 2-Fluorophenol	*107*		ug/L	*150.0*		*72*	*15-110*			
Surrogate: Nitrobenzene-d5	*84.4*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: Phenol-d6	*138*		ug/L	*150.0*		*92*	*15-110*			
Surrogate: p-Terphenyl-d14	*80.9*		ug/L	*100.0*		*81*	*30-130*			
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							

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Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*78.5*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*90.9*		ug/L	*150.0*		*61*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*71.1*		ug/L	*100.0*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*110*		ug/L	*100.0*		*110*	*30-130*			
Surrogate: p-Terphenyl-d14	*83.9*		ug/L	*100.0*		*84*	*30-130*			
LCS										
2-Methylnaphthalene	82.8	4.00	ug/L	100.0		83	40-140			
Acenaphthene	80.9	4.00	ug/L	100.0		81	40-140			
Acenaphthylene	78.2	4.00	ug/L	100.0		78	40-140			
Anthracene	81.5	4.00	ug/L	100.0		81	40-140			
Benzo(a)anthracene	83.2	1.00	ug/L	100.0		83	40-140			
Benzo(a)pyrene	85.0	1.00	ug/L	100.0		85	40-140			
Benzo(b)fluoranthene	98.5	1.00	ug/L	100.0		98	40-140			
Benzo(g,h,i)perylene	88.3	4.00	ug/L	100.0		88	40-140			
Benzo(k)fluoranthene	84.1	1.00	ug/L	100.0		84	40-140			
Chrysene	81.3	1.00	ug/L	100.0		81	40-140			
Dibenzo(a,h)Anthracene	98.3	1.00	ug/L	100.0		98	40-140			
Fluoranthene	87.8	4.00	ug/L	100.0		88	40-140			
Fluorene	85.9	4.00	ug/L	100.0		86	40-140			
Hexachlorobenzene	90.2	4.00	ug/L	100.0		90	40-140			
Indeno(1,2,3-cd)Pyrene	97.3	1.00	ug/L	100.0		97	40-140			
Naphthalene	77.9	4.00	ug/L	100.0		78	40-140			
Pentachlorophenol	67.3	18.0	ug/L	100.0		67	30-130			
Phenanthrene	86.6	4.00	ug/L	100.0		87	40-140			
Pyrene	88.0	4.00	ug/L	100.0		88	40-140			
LCS Dup										
2-Methylnaphthalene	82.0	4.00	ug/L	100.0		82	40-140	1	20	
Acenaphthene	80.8	4.00	ug/L	100.0		81	40-140	0.2	20	
Acenaphthylene	78.7	4.00	ug/L	100.0		79	40-140	0.6	20	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Anthracene	81.9	4.00	ug/L	100.0		82	40-140	0.5	20	
Benzo(a)anthracene	79.5	1.00	ug/L	100.0		79	40-140	5	20	
Benzo(a)pyrene	80.3	1.00	ug/L	100.0		80	40-140	6	20	
Benzo(b)fluoranthene	88.5	1.00	ug/L	100.0		88	40-140	11	20	
Benzo(g,h,i)perylene	80.5	4.00	ug/L	100.0		80	40-140	9	20	
Benzo(k)fluoranthene	84.5	1.00	ug/L	100.0		84	40-140	0.4	20	
Chrysene	79.8	1.00	ug/L	100.0		80	40-140	2	20	
Dibenzo(a,h)Anthracene	89.3	1.00	ug/L	100.0		89	40-140	10	20	
Fluoranthene	87.1	4.00	ug/L	100.0		87	40-140	0.8	20	
Fluorene	85.3	4.00	ug/L	100.0		85	40-140	0.7	20	
Hexachlorobenzene	89.3	4.00	ug/L	100.0		89	40-140	1	20	
Indeno(1,2,3-cd)Pyrene	91.0	1.00	ug/L	100.0		91	40-140	7	20	
Naphthalene	77.9	4.00	ug/L	100.0		78	40-140	0.02	20	
Pentachlorophenol	65.4	18.0	ug/L	100.0		65	30-130	3	20	
Phenanthrene	87.2	4.00	ug/L	100.0		87	40-140	0.6	20	
Pyrene	83.6	4.00	ug/L	100.0		84	40-140	5	20	
Batch CF90720 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
LCS										
2-Methylnaphthalene	84.8	4.00	ug/L	100.0		85	40-140			
Acenaphthene	82.3	4.00	ug/L	100.0		82	40-140			
Acenaphthylene	77.3	4.00	ug/L	100.0		77	40-140			
Anthracene	83.5	4.00	ug/L	100.0		84	40-140			
Benzo(a)anthracene	81.6	1.00	ug/L	100.0		82	40-140			
Benzo(a)pyrene	85.4	1.00	ug/L	100.0		85	40-140			
Benzo(b)fluoranthene	97.4	1.00	ug/L	100.0		97	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90720 - 3520C										
Benzo(g,h,i)perylene	81.1	4.00	ug/L	100.0		81	40-140			
Benzo(k)fluoranthene	86.5	1.00	ug/L	100.0		86	40-140			
Chrysene	82.0	1.00	ug/L	100.0		82	40-140			
Dibenzo(a,h)Anthracene	91.5	1.00	ug/L	100.0		91	40-140			
Fluoranthene	86.7	4.00	ug/L	100.0		87	40-140			
Fluorene	85.7	4.00	ug/L	100.0		86	40-140			
Hexachlorobenzene	103	4.00	ug/L	100.0		103	40-140			
Indeno(1,2,3-cd)Pyrene	87.1	1.00	ug/L	100.0		87	40-140			
Naphthalene	78.1	4.00	ug/L	100.0		78	40-140			
Pentachlorophenol	67.2	18.0	ug/L	100.0		67	30-130			
Phenanthrene	86.1	4.00	ug/L	100.0		86	40-140			
Pyrene	90.7	4.00	ug/L	100.0		91	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*87.6*		ug/L	*100.0*		*88*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*134*		ug/L	*150.0*		*90*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*86.9*		ug/L	*100.0*		*87*	*30-130*			
Surrogate: Nitrobenzene-d5	*90.4*		ug/L	*100.0*		*90*	*30-130*			
Surrogate: p-Terphenyl-d14	*100*		ug/L	*100.0*		*100*	*30-130*			
LCS Dup										
2-Methylnaphthalene	85.1	4.00	ug/L	100.0		85	40-140	0.3	20	
Acenaphthene	81.4	4.00	ug/L	100.0		81	40-140	1	20	
Acenaphthylene	77.0	4.00	ug/L	100.0		77	40-140	0.5	20	
Anthracene	82.5	4.00	ug/L	100.0		83	40-140	1	20	
Benzo(a)anthracene	80.5	1.00	ug/L	100.0		81	40-140	1	20	
Benzo(a)pyrene	84.5	1.00	ug/L	100.0		85	40-140	1	20	
Benzo(b)fluoranthene	92.3	1.00	ug/L	100.0		92	40-140	5	20	
Benzo(g,h,i)perylene	78.6	4.00	ug/L	100.0		79	40-140	3	20	
Benzo(k)fluoranthene	90.1	1.00	ug/L	100.0		90	40-140	4	20	
Chrysene	78.3	1.00	ug/L	100.0		78	40-140	5	20	
Dibenzo(a,h)Anthracene	85.2	1.00	ug/L	100.0		85	40-140	7	20	
Fluoranthene	85.1	4.00	ug/L	100.0		85	40-140	2	20	
Fluorene	85.0	4.00	ug/L	100.0		85	40-140	0.8	20	
Hexachlorobenzene	99.3	4.00	ug/L	100.0		99	40-140	3	20	
Indeno(1,2,3-cd)Pyrene	85.2	1.00	ug/L	100.0		85	40-140	2	20	
Naphthalene	78.7	4.00	ug/L	100.0		79	40-140	0.8	20	
Pentachlorophenol	63.1	18.0	ug/L	100.0		63	30-130	6	20	
Phenanthrene	84.9	4.00	ug/L	100.0		85	40-140	1	20	
Pyrene	87.4	4.00	ug/L	100.0		87	40-140	4	20	
Surrogate: 1,2-Dichlorobenzene-d4	*84.4*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*129*		ug/L	*150.0*		*86*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*85.2*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Nitrobenzene-d5	*89.6*		ug/L	*100.0*		*90*	*30-130*			
Surrogate: p-Terphenyl-d14	*98.7*		ug/L	*100.0*		*99*	*30-130*			
Batch CF91228 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
LCS										
2-Methylnaphthalene	79.4	4.00	ug/L	100.0		79	40-140			
Acenaphthene	76.8	4.00	ug/L	100.0		77	40-140			
Acenaphthylene	71.7	4.00	ug/L	100.0		72	40-140			
Anthracene	77.4	4.00	ug/L	100.0		77	40-140			
Benzo(a)anthracene	77.0	1.00	ug/L	100.0		77	40-140			
Benzo(a)pyrene	78.1	1.00	ug/L	100.0		78	40-140			
Benzo(b)fluoranthene	90.6	1.00	ug/L	100.0		91	40-140			
Benzo(g,h,i)perylene	80.3	4.00	ug/L	100.0		80	40-140			
Benzo(k)fluoranthene	78.2	1.00	ug/L	100.0		78	40-140			
Chrysene	77.1	1.00	ug/L	100.0		77	40-140			
Dibenzo(a,h)Anthracene	85.4	1.00	ug/L	100.0		85	40-140			
Fluoranthene	81.8	4.00	ug/L	100.0		82	40-140			
Fluorene	82.2	4.00	ug/L	100.0		82	40-140			
Hexachlorobenzene	90.0	4.00	ug/L	100.0		90	40-140			
Indeno(1,2,3-cd)Pyrene	81.9	1.00	ug/L	100.0		82	40-140			
Naphthalene	72.9	4.00	ug/L	100.0		73	40-140			
Pentachlorophenol	63.1	18.0	ug/L	100.0		63	30-130			
Phenanthrene	79.6	4.00	ug/L	100.0		80	40-140			
Pyrene	84.1	4.00	ug/L	100.0		84	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*75.9*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*77.8*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*82.4*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*92.8*		ug/L	*100.0*		*93*	*30-130*			
LCS Dup										
2-Methylnaphthalene	83.2	4.00	ug/L	100.0		83	40-140	5	20	

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
Acenaphthene	80.1	4.00	ug/L	100.0		80	40-140	4	20	
Acenaphthylene	74.6	4.00	ug/L	100.0		75	40-140	4	20	
Anthracene	80.0	4.00	ug/L	100.0		80	40-140	3	20	
Benzo(a)anthracene	79.5	1.00	ug/L	100.0		79	40-140	3	20	
Benzo(a)pyrene	82.4	1.00	ug/L	100.0		82	40-140	5	20	
Benzo(b)fluoranthene	94.1	1.00	ug/L	100.0		94	40-140	4	20	
Benzo(g,h,i)perylene	80.0	4.00	ug/L	100.0		80	40-140	0.4	20	
Benzo(k)fluoranthene	86.3	1.00	ug/L	100.0		86	40-140	10	20	
Chrysene	79.2	1.00	ug/L	100.0		79	40-140	3	20	
Dibenzo(a,h)Anthracene	89.8	1.00	ug/L	100.0		90	40-140	5	20	
Fluoranthene	85.7	4.00	ug/L	100.0		86	40-140	5	20	
Fluorene	85.8	4.00	ug/L	100.0		86	40-140	4	20	
Hexachlorobenzene	92.9	4.00	ug/L	100.0		93	40-140	3	20	
Indeno(1,2,3-cd)Pyrene	86.2	1.00	ug/L	100.0		86	40-140	5	20	
Naphthalene	77.0	4.00	ug/L	100.0		77	40-140	6	20	
Pentachlorophenol	67.1	18.0	ug/L	100.0		67	30-130	6	20	
Phenanthrene	83.5	4.00	ug/L	100.0		83	40-140	5	20	
Pyrene	85.6	4.00	ug/L	100.0		86	40-140	2	20	
Surrogate: 1,2-Dichlorobenzene-d4	*79.7*		ug/L	*100.0*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*119*		ug/L	*150.0*		*80*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.4*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*85.6*		ug/L	*100.0*		*86*	*30-130*			
Surrogate: p-Terphenyl-d14	*94.6*		ug/L	*100.0*		*95*	*30-130*			
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Blank										
C19-C36 Aliphatics1	ND	100	ug/L							
C9-C18 Aliphatics1	ND	100	ug/L							
Decane (C10)	ND	5	ug/L							
Docosane (C22)	ND	5	ug/L							
Dodecane (C12)	ND	5	ug/L							
Eicosane (C20)	ND	5	ug/L							
Hexacosane (C26)	ND	5	ug/L							
Hexadecane (C16)	ND	5	ug/L							
Hexatriacontane (C36)	ND	5	ug/L							
Nonadecane (C19)	ND	5	ug/L							
Nonane (C9)	ND	5	ug/L							
Octacosane (C28)	ND	5	ug/L							
Octadecane (C18)	ND	5	ug/L							
Tetracosane (C24)	ND	5	ug/L							
Tetradecane (C14)	ND	5	ug/L							
Triacontane (C30)	ND	5	ug/L							
Surrogate: 1-Chlorooctadecane	*37.9*		ug/L	*50.50*		*75*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Blank										
2-Methylnaphthalene	ND	5.0	ug/L							
Acenaphthene	ND	5.0	ug/L							
Acenaphthylene	ND	5.0	ug/L							
Anthracene	ND	5.0	ug/L							
Benzo(a)anthracene	ND	5.0	ug/L							
Benzo(a)pyrene	ND	10.0	ug/L							
Benzo(b)fluoranthene	ND	5.0	ug/L							
Benzo(g,h,i)perylene	ND	10.0	ug/L							
Benzo(k)fluoranthene	ND	10.0	ug/L							
C11-C22 Unadjusted Aromatics1	ND	100	ug/L							
Chrysene	ND	10.0	ug/L							
Dibenzo(a,h)Anthracene	ND	5.0	ug/L							
Fluoranthene	ND	10.0	ug/L							
Fluorene	ND	5.0	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	5.0	ug/L							
Naphthalene	ND	10.0	ug/L							
Phenanthrene	ND	5.0	ug/L							
Pyrene	ND	5.0	ug/L							
Surrogate: 2-Bromonaphthalene	*48.7*		mg/L	*50.00*		*97*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*45.4*		mg/L	*50.00*		*91*	*40-140*			
Surrogate: O-Terphenyl	*39.6*		ug/L	*50.20*		*79*	*40-140*			
LCS										
C19-C36 Aliphatics1	369	100	ug/L	400.0		92	40-140			
C9-C18 Aliphatics1	216	100	ug/L	300.0		72	40-140			
Decane (C10)	25	5	ug/L	50.00		50	40-140			
Docosane (C22)	44	5	ug/L	50.00		88	40-140			
Dodecane (C12)	32	5	ug/L	50.00		63	40-140			
Eicosane (C20)	43	5	ug/L	50.00		86	40-140			
Hexacosane (C26)	43	5	ug/L	50.00		86	40-140			
Hexadecane (C16)	42	5	ug/L	50.00		84	40-140			
Hexatriacontane (C36)	51	5	ug/L	50.00		103	40-140			
Nonadecane (C19)	43	5	ug/L	50.00		86	40-140			
Nonane (C9)	19	5	ug/L	50.00		37	30-140			
Octacosane (C28)	43	5	ug/L	50.00		86	40-140			
Octadecane (C18)	43	5	ug/L	50.00		85	40-140			
Tetracosane (C24)	44	5	ug/L	50.00		87	40-140			
Tetradecane (C14)	38	5	ug/L	50.00		77	40-140			
Triacontane (C30)	43	5	ug/L	50.00		86	40-140			
Surrogate: 1-Chlorooctadecane	*40.1*		ug/L	*50.50*		*79*	*40-140*			
LCS										
2-Methylnaphthalene	40.7	5.0	ug/L	50.00		81	40-140			
Acenaphthene	37.7	5.0	ug/L	50.00		75	40-140			
Acenaphthylene	37.3	5.0	ug/L	50.00		75	40-140			

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Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Anthracene	41.2	5.0	ug/L	50.00		82	40-140			
Benzo(a)anthracene	38.9	5.0	ug/L	50.00		78	40-140			
Benzo(a)pyrene	43.2	10.0	ug/L	50.00		86	40-140			
Benzo(b)fluoranthene	40.2	5.0	ug/L	50.00		80	40-140			
Benzo(g,h,i)perylene	41.8	10.0	ug/L	50.00		84	40-140			
Benzo(k)fluoranthene	42.0	10.0	ug/L	50.00		84	40-140			
C11-C22 Unadjusted Aromatics1	794	100	ug/L	850.0		93	40-140			
Chrysene	39.5	10.0	ug/L	50.00		79	40-140			
Dibenzo(a,h)Anthracene	43.6	5.0	ug/L	50.00		87	40-140			
Fluoranthene	39.9	10.0	ug/L	50.00		80	40-140			
Fluorene	37.7	5.0	ug/L	50.00		75	40-140			
Indeno(1,2,3-cd)Pyrene	42.2	5.0	ug/L	50.00		84	40-140			
Naphthalene	31.5	10.0	ug/L	50.00		63	40-140			
Phenanthrene	41.6	5.0	ug/L	50.00		83	40-140			
Pyrene	39.7	5.0	ug/L	50.00		79	40-140			
Surrogate: 2-Bromonaphthalene	*39.1*		mg/L	*50.00*		*78*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*46.1*		mg/L	*50.00*		*92*	*40-140*			
Surrogate: O-Terphenyl	*40.8*		ug/L	*50.20*		*81*	*40-140*			
LCS										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
LCS Dup										
C19-C36 Aliphatics1	379	100	ug/L	400.0		95	40-140	3	25	
C9-C18 Aliphatics1	228	100	ug/L	300.0		76	40-140	5	25	
Decane (C10)	28	5	ug/L	50.00		57	40-140	13	25	
Docosane (C22)	45	5	ug/L	50.00		90	40-140	3	25	
Dodecane (C12)	34	5	ug/L	50.00		68	40-140	7	25	
Eicosane (C20)	44	5	ug/L	50.00		88	40-140	3	25	
Hexacosane (C26)	44	5	ug/L	50.00		89	40-140	3	25	
Hexadecane (C16)	43	5	ug/L	50.00		87	40-140	3	25	
Hexatriacontane (C36)	53	5	ug/L	50.00		106	40-140	3	25	
Nonadecane (C19)	44	5	ug/L	50.00		89	40-140	3	25	
Nonane (C9)	22	5	ug/L	50.00		44	30-140	15	25	
Octacosane (C28)	44	5	ug/L	50.00		88	40-140	3	25	
Octadecane (C18)	44	5	ug/L	50.00		88	40-140	2	25	
Tetracosane (C24)	45	5	ug/L	50.00		90	40-140	3	25	
Tetradecane (C14)	40	5	ug/L	50.00		80	40-140	4	25	
Triacontane (C30)	44	5	ug/L	50.00		89	40-140	3	25	
Surrogate: 1-Chlorooctadecane	*40.3*		ug/L	*50.50*		*80*	*40-140*			
LCS Dup										
2-Methylnaphthalene	41.3	5.0	ug/L	50.00		83	40-140	1	20	
Acenaphthene	36.6	5.0	ug/L	50.00		73	40-140	3	20	
Acenaphthylene	37.5	5.0	ug/L	50.00		75	40-140	0.5	20	
Anthracene	40.3	5.0	ug/L	50.00		81	40-140	2	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
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ESS Laboratory Work Order: 19F0078

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90401 - 3510C										
Benzo(a)anthracene	39.6	5.0	ug/L	50.00		79	40-140	2	20	
Benzo(a)pyrene	42.8	10.0	ug/L	50.00		86	40-140	0.9	20	
Benzo(b)fluoranthene	38.6	5.0	ug/L	50.00		77	40-140	4	20	
Benzo(g,h,i)perylene	40.7	10.0	ug/L	50.00		81	40-140	3	20	
Benzo(k)fluoranthene	41.3	10.0	ug/L	50.00		83	40-140	2	20	
C11-C22 Unadjusted Aromatics1	784	100	ug/L	850.0		92	40-140	1	25	
Chrysene	40.8	10.0	ug/L	50.00		82	40-140	3	20	
Dibenzo(a,h)Anthracene	42.4	5.0	ug/L	50.00		85	40-140	3	20	
Fluoranthene	39.5	10.0	ug/L	50.00		79	40-140	1	20	
Fluorene	37.9	5.0	ug/L	50.00		76	40-140	0.6	20	
Indeno(1,2,3-cd)Pyrene	42.0	5.0	ug/L	50.00		84	40-140	0.5	20	
Naphthalene	31.9	10.0	ug/L	50.00		64	40-140	1	20	
Phenanthrene	39.3	5.0	ug/L	50.00		79	40-140	6	20	
Pyrene	41.0	5.0	ug/L	50.00		82	40-140	3	20	
Surrogate: 2-Bromonaphthalene	*38.9*		mg/L	*50.00*		*78*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*47.9*		mg/L	*50.00*		*96*	*40-140*			
Surrogate: O-Terphenyl	*40.2*		ug/L	*50.20*		*80*	*40-140*			
LCS Dup										
2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	
Batch CF90708 - 3510C										
Blank										
C19-C36 Aliphatics1	ND	100	ug/L							
C9-C18 Aliphatics1	ND	100	ug/L							
Decane (C10)	ND	5	ug/L							
Docosane (C22)	ND	5	ug/L							
Dodecane (C12)	ND	5	ug/L							
Eicosane (C20)	ND	5	ug/L							
Hexacosane (C26)	ND	5	ug/L							
Hexadecane (C16)	ND	5	ug/L							
Hexatriacontane (C36)	ND	5	ug/L							
Nonadecane (C19)	ND	5	ug/L							
Nonane (C9)	ND	5	ug/L							
Octacosane (C28)	ND	5	ug/L							
Octadecane (C18)	ND	5	ug/L							
Tetracosane (C24)	ND	5	ug/L							
Tetradecane (C14)	ND	5	ug/L							
Triacontane (C30)	ND	5	ug/L							
Surrogate: 1-Chlorooctadecane	*41.1*		ug/L	*50.50*		*81*	*40-140*			
Blank										
2-Methylnaphthalene	ND	5.0	ug/L							
Acenaphthene	ND	5.0	ug/L							
Acenaphthylene	ND	5.0	ug/L							
Anthracene	ND	5.0	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
Benzo(a)anthracene	ND	5.0	ug/L							
Benzo(a)pyrene	ND	10.0	ug/L							
Benzo(b)fluoranthene	ND	5.0	ug/L							
Benzo(g,h,i)perylene	ND	10.0	ug/L							
Benzo(k)fluoranthene	ND	10.0	ug/L							
C11-C22 Unadjusted Aromatics1	ND	100	ug/L							
Chrysene	ND	10.0	ug/L							
Dibenzo(a,h)Anthracene	ND	5.0	ug/L							
Fluoranthene	ND	10.0	ug/L							
Fluorene	ND	5.0	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	5.0	ug/L							
Naphthalene	ND	10.0	ug/L							
Phenanthrene	ND	5.0	ug/L							
Pyrene	ND	5.0	ug/L							
Surrogate: 2-Bromonaphthalene	*46.7*		mg/L	*50.00*		*93*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*42.1*		mg/L	*50.00*		*84*	*40-140*			
Surrogate: O-Terphenyl	*37.1*		ug/L	*50.20*		*74*	*40-140*			
LCS										
C19-C36 Aliphatics1	382	100	ug/L	400.0		96	40-140			
C9-C18 Aliphatics1	215	100	ug/L	300.0		72	40-140			
Decane (C10)	25	5	ug/L	50.00		50	40-140			
Docosane (C22)	46	5	ug/L	50.00		91	40-140			
Dodecane (C12)	31	5	ug/L	50.00		62	40-140			
Eicosane (C20)	45	5	ug/L	50.00		90	40-140			
Hexacosane (C26)	45	5	ug/L	50.00		90	40-140			
Hexadecane (C16)	44	5	ug/L	50.00		89	40-140			
Hexatriacontane (C36)	54	5	ug/L	50.00		109	40-140			
Nonadecane (C19)	45	5	ug/L	50.00		90	40-140			
Nonane (C9)	19	5	ug/L	50.00		38	30-140			
Octacosane (C28)	45	5	ug/L	50.00		90	40-140			
Octadecane (C18)	45	5	ug/L	50.00		89	40-140			
Tetracosane (C24)	46	5	ug/L	50.00		91	40-140			
Tetradecane (C14)	39	5	ug/L	50.00		77	40-140			
Triacontane (C30)	45	5	ug/L	50.00		90	40-140			
Surrogate: 1-Chlorooctadecane	*44.5*		ug/L	*50.50*		*88*	*40-140*			
LCS										
2-Methylnaphthalene	37.6	5.0	ug/L	50.00		75	40-140			
Acenaphthene	38.0	5.0	ug/L	50.00		76	40-140			
Acenaphthylene	39.1	5.0	ug/L	50.00		78	40-140			
Anthracene	41.5	5.0	ug/L	50.00		83	40-140			
Benzo(a)anthracene	38.4	5.0	ug/L	50.00		77	40-140			
Benzo(a)pyrene	40.3	10.0	ug/L	50.00		81	40-140			
Benzo(b)fluoranthene	37.1	5.0	ug/L	50.00		74	40-140			
Benzo(g,h,i)perylene	39.0	10.0	ug/L	50.00		78	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
Benzo(k)fluoranthene	41.2	10.0	ug/L	50.00		82	40-140			
C11-C22 Unadjusted Aromatics1	788	100	ug/L	850.0		93	40-140			
Chrysene	40.8	10.0	ug/L	50.00		82	40-140			
Dibenzo(a,h)Anthracene	39.2	5.0	ug/L	50.00		78	40-140			
Fluoranthene	40.4	10.0	ug/L	50.00		81	40-140			
Fluorene	37.8	5.0	ug/L	50.00		76	40-140			
Indeno(1,2,3-cd)Pyrene	38.1	5.0	ug/L	50.00		76	40-140			
Naphthalene	35.4	10.0	ug/L	50.00		71	40-140			
Phenanthrene	40.5	5.0	ug/L	50.00		81	40-140			
Pyrene	41.8	5.0	ug/L	50.00		84	40-140			
Surrogate: 2-Bromonaphthalene	*37.2*		mg/L	*50.00*		*74*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*47.2*		mg/L	*50.00*		*94*	*40-140*			
Surrogate: O-Terphenyl	*40.1*		ug/L	*50.20*		*80*	*40-140*			
LCS										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
LCS Dup										
C19-C36 Aliphatics1	366	100	ug/L	400.0		92	40-140	4	25	
C9-C18 Aliphatics1	206	100	ug/L	300.0		69	40-140	5	25	
Decane (C10)	24	5	ug/L	50.00		48	40-140	6	25	
Docosane (C22)	44	5	ug/L	50.00		87	40-140	5	25	
Dodecane (C12)	29	5	ug/L	50.00		58	40-140	6	25	
Eicosane (C20)	43	5	ug/L	50.00		86	40-140	5	25	
Hexacosane (C26)	43	5	ug/L	50.00		86	40-140	5	25	
Hexadecane (C16)	42	5	ug/L	50.00		84	40-140	5	25	
Hexatriacontane (C36)	52	5	ug/L	50.00		103	40-140	5	25	
Nonadecane (C19)	43	5	ug/L	50.00		86	40-140	5	25	
Nonane (C9)	18	5	ug/L	50.00		36	30-140	5	25	
Octacosane (C28)	43	5	ug/L	50.00		86	40-140	5	25	
Octadecane (C18)	43	5	ug/L	50.00		86	40-140	4	25	
Tetracosane (C24)	43	5	ug/L	50.00		87	40-140	5	25	
Tetradecane (C14)	36	5	ug/L	50.00		73	40-140	6	25	
Triacontane (C30)	43	5	ug/L	50.00		86	40-140	5	25	
Surrogate: 1-Chlorooctadecane	*40.8*		ug/L	*50.50*		*81*	*40-140*			
LCS Dup										
2-Methylnaphthalene	38.7	5.0	ug/L	50.00		77	40-140	3	20	
Acenaphthene	36.5	5.0	ug/L	50.00		73	40-140	4	20	
Acenaphthylene	35.6	5.0	ug/L	50.00		71	40-140	9	20	
Anthracene	39.2	5.0	ug/L	50.00		78	40-140	6	20	
Benzo(a)anthracene	36.2	5.0	ug/L	50.00		72	40-140	6	20	
Benzo(a)pyrene	37.6	10.0	ug/L	50.00		75	40-140	7	20	
Benzo(b)fluoranthene	34.0	5.0	ug/L	50.00		68	40-140	9	20	
Benzo(g,h,i)perylene	36.8	10.0	ug/L	50.00		74	40-140	6	20	
Benzo(k)fluoranthene	39.2	10.0	ug/L	50.00		78	40-140	5	20	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
C11-C22 Unadjusted Aromatics1	748	100	ug/L	850.0		88	40-140	5	25	
Chrysene	37.4	10.0	ug/L	50.00		75	40-140	9	20	
Dibenzo(a,h)Anthracene	35.5	5.0	ug/L	50.00		71	40-140	10	20	
Fluoranthene	37.0	10.0	ug/L	50.00		74	40-140	9	20	
Fluorene	35.5	5.0	ug/L	50.00		71	40-140	6	20	
Indeno(1,2,3-cd)Pyrene	34.5	5.0	ug/L	50.00		69	40-140	10	20	
Naphthalene	32.3	10.0	ug/L	50.00		65	40-140	9	20	
Phenanthrene	37.4	5.0	ug/L	50.00		75	40-140	8	20	
Pyrene	39.1	5.0	ug/L	50.00		78	40-140	7	20	
Surrogate: 2-Bromonaphthalene	*43.0*		mg/L	*50.00*		*86*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*47.3*		mg/L	*50.00*		*95*	*40-140*			
Surrogate: O-Terphenyl	*38.4*		ug/L	*50.20*		*76*	*40-140*			
LCS Dup										
2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

CERTIFICATE OF ANALYSIS

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Notes and Definitions

Z-06	pH <= 2
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
PT	Pentachlorophenol tailing factor > 2.
H	Estimated value. Sample hold times were exceeded (H).
EL	Elevated Method Reporting Limits due to sample matrix (EL).
DDT	DDT breakdown > 20%
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
BT	Benzidine tailing factor >2.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0078

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

Shipped/Delivered Via: ESS Courier

ESS Project ID: 19F0078
Date Received: 6/4/2019
Project Due Date: 6/11/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? No
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

added sample 6 to COC

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	352285	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352286	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352287	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352296	Yes	NA	Yes	1L Amber - HCl	HCl	
01	352297	Yes	NA	Yes	1L Amber - HCl	HCl	
01	352314	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352315	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352316	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352317	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352322	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
02	352282	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352283	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352284	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352294	Yes	NA	Yes	1L Amber - HCl	HCl	
02	352295	Yes	NA	Yes	1L Amber - HCl	HCl	
02	352310	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352311	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352312	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352313	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352321	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
03	352279	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352280	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352281	Yes	No	Yes	VOA Vial - HCl	HCl	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

ESS Project ID: 19F0078

Date Received: 6/4/2019

03	352292	Yes	NA	Yes	1L Amber - HCl	HCl
03	352293	Yes	NA	Yes	1L Amber - HCl	HCl
03	352306	Yes	NA	Yes	1L Amber - Unpres	NP
03	352307	Yes	NA	Yes	1L Amber - Unpres	NP
03	352308	Yes	NA	Yes	1L Amber - Unpres	NP
03	352309	Yes	NA	Yes	1L Amber - Unpres	NP
03	352320	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
04	352276	Yes	No	Yes	VOA Vial - HCl	HCl
04	352277	Yes	No	Yes	VOA Vial - HCl	HCl
04	352278	Yes	No	Yes	VOA Vial - HCl	HCl
04	352290	Yes	NA	Yes	1L Amber - HCl	HCl
04	352291	Yes	NA	Yes	1L Amber - HCl	HCl
04	352302	Yes	NA	Yes	1L Amber - Unpres	NP
04	352303	Yes	NA	Yes	1L Amber - Unpres	NP
04	352304	Yes	NA	Yes	1L Amber - Unpres	NP
04	352305	Yes	NA	Yes	1L Amber - Unpres	NP
04	352319	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
05	352288	Yes	NA	Yes	1L Amber - HCl	HCl
05	352289	Yes	NA	Yes	1L Amber - HCl	HCl
06	353146	Yes	No	Yes	VOA Vial - HCl	HCl
06	353147	Yes	No	Yes	VOA Vial - HCl	HCl
06	353148	Yes	No	Yes	VOA Vial - HCl	HCl
06	353149	Yes	NA	Yes	1L Amber - Unpres	NP
06	353150	Yes	NA	Yes	1L Amber - Unpres	NP
06	353151	Yes	NA	Yes	1L Amber - Unpres	NP
06	353152	Yes	NA	Yes	1L Amber - Unpres	NP
06	353153	Yes	NA	Yes	250 mL Poly - HNO3	HNO3

2nd Review

Were all containers scanned into storage/lab? Initials

Are barcode labels on correct containers? Yes / No

Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 6/5/19 2255

Reviewed By: Date & Time: 6/5/19 2319

Delivered By: 6/5/19 2319

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

Shipped/Delivered Via: ESS Courier

ESS Project ID: 19F0078
Date Received: 6/4/2019
Project Due Date: 6/11/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? No
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / (No)
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

* **COC = MW 8 collected 6/3/19 at 1020 ; Labels = MW 13 collected 6/3/19 1020 (HCl ambers)**

Rec'd HCl ambers only for sample 5 "MW 10"

14. Was there a need to contact Project Manager? (Yes) / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Aaron Lucci Date: 6/6/19 Time: By: hdm

remaining samples for MW10 due in on 6/5/19 - receive in as sample 06

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	352285	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352286	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352287	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352296	Yes	NA	Yes	1L Amber - HCl	HCl	
01	352297	Yes	NA	Yes	1L Amber - HCl	HCl	
01	352314	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352315	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352316	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352317	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352322	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
02	352282	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352283	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352284	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352294	Yes	NA	Yes	1L Amber - HCl	HCl	
02	352295	Yes	NA	Yes	1L Amber - HCl	HCl	
02	352310	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352311	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352312	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352313	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352321	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
03	352279	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352280	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352281	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352292	Yes	NA	Yes	1L Amber - HCl	HCl	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

ESS Project ID: 19F0078

Date Received: 6/4/2019

03	352293	Yes	NA	Yes	1L Amber - HCl	HCl
03	352306	Yes	NA	Yes	1L Amber - Unpres	NP
03	352307	Yes	NA	Yes	1L Amber - Unpres	NP
03	352308	Yes	NA	Yes	1L Amber - Unpres	NP
03	352309	Yes	NA	Yes	1L Amber - Unpres	NP
03	352320	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
04	352276	Yes	No	Yes	VOA Vial - HCl	HCl
04	352277	Yes	No	Yes	VOA Vial - HCl	HCl
04	352278	Yes	No	Yes	VOA Vial - HCl	HCl
04	352290	Yes	NA	Yes	1L Amber - HCl	HCl
04	352291	Yes	NA	Yes	1L Amber - HCl	HCl
04	352302	Yes	NA	Yes	1L Amber - Unpres	NP
04	352303	Yes	NA	Yes	1L Amber - Unpres	NP
04	352304	Yes	NA	Yes	1L Amber - Unpres	NP
04	352305	Yes	NA	Yes	1L Amber - Unpres	NP
04	352319	Yes	NA	Yes	250 mL Poly - HNO3	HNO3
05	352288	Yes	NA	Yes	1L Amber - HCl	HCl
05	352289	Yes	NA	Yes	1L Amber - HCl	HCl

2nd Review

Were all containers scanned into storage/lab? Initials LL

Are barcode labels on correct containers? * (Yes) / No

Are all Flashpoint stickers attached/container ID # circled? Yes / No / (NA)

Are all Hex Chrome stickers attached? Yes / No / (NA)

Are all QC stickers attached? Yes / No / (NA)

Are VOA stickers attached if bubbles noted? Yes / No / (NA)

Completed By: _____ Date & Time: 6/4/19 2133

Reviewed By: _____ Date & Time: 06/4/19 2217

Delivered By: _____ 6/4/19 2219

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19F0078

Turn Time	5	Days
Regulatory State	Massachusetts	
Is this project for any of the following?:	○ CT RCP ◉ MA MCP ○ RGP	
Reporting Limits	RCGW-1	
Electonic Deliverables	☑ Data Checker ☐ Other (Please Specify →)	☐ Excel ☒ PDF

Company Name	Project #	Project Name
Green Environmental, Inc.	19137	Bliss Corner

Contact Person	Address
Parrish Smolcha	296C Weymouth Street

City	State	Zip Code	PO #
Rockland	MA	02370	8554

Telephone Number	FAX Number	Email Address
617-479-0550	617-479-5150	psmolcha@greenenvironmental.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOC	PCB	14 MA Metals - dissolved	EPH carbon chains
1	6/3/19	8:45	Grab	Aqueous	MW13	X	X	X	X	X
2	6/3/19	10:20	Grab	Aqueous	MW 8	X	X	X	X	X
3	6/3/19	11:45	Grab	Aqueous	MW 4	X	X	X	X	X
4	6/3/19	13:45	Grab	Aqueous	MW 9	X	X	X	X	X
5	6/3/19	15:30	Grab	Aqueous	MW 10	~~X~~	~~X~~	~~X~~	~~X~~	X
			~~Grab~~	~~Aqueous~~		~~X~~	~~X~~	~~X~~	X	X
6	6/4/19	1230			MW 10	X	X	X	X	
					HDM 6/6/189					

Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	V	AG	AG	P	AG
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	7	6	6	3	6
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	2	1	1	4	2
										Number of Containers per Sample:		3	2	2	1	2

Laboratory Use Only

Cooler Present: ✓ ○ Drop Off
Seals Intact: ⌀ Pickup
Cooler Temperature: 0.8+1.1 °C ICE RC

Sampled by : P. Smolcha & A. Lucci

Comments: Please specify "Other" preservative and containers types in this space

metals samples were field filtered

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
P Smolcha 6/4/19 1510	RCarlson 6/4/19 1510	RCarlson 6/4/19 1808	6/4/19 2053
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

ESS Laboratory

Division of Thielsch Engineering, Inc.
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Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19F0078

Turn Time	5	Days
Regulatory State	Massachusetts	
Is this project for any of the following?:	○ CT RCP ◉ MA MCP ○ RGP	
Reporting Limits	RCGW-1	
Electonic Deliverables	☑ Data Checker ☐ Other (Please Specify →)	☐ Excel ☒ PDF

Company Name	Project #	Project Name
Green Environmental, Inc.	19137	Bliss Corner

Contact Person	Address
Parrish Smolcha	296C Weymouth Street

City	State	Zip Code	PO #
Rockland	MA	02370	8554

Telephone Number	FAX Number	Email Address
617-479-0550	617-479-5150	psmolcha@greenenvironmental.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC	SVOC	PCB	14 MA Metals - dissolved	EPH carbon chains
1	6/3/19	8:45	Grab	Aqueous	MW13	X	X	X	X	X
2	6/3/19	10:20	Grab	Aqueous	MW 8	X	X	X	X	X
3	6/3/19	11:45	Grab	Aqueous	MW4	X	X	X	X	X
4	6/3/19	13:45	Grab	Aqueous	MW9	X	X	X	X	X
5	6/3/19	15:30	Grab	Aqueous	MW 10	X	X	X	X	X
			~~Grab~~	~~Aqueous~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~

Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial	V	AG	AG	P	AG				
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*	7	6	6	3	6				
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*	2	1	1	4	2				
	Number of Containers per Sample:	3	2	2	1	2				

Laboratory Use Only

Cooler Present: ✓ ○ Drop Off
Seals Intact: ⌀ Pickup
Cooler Temperature: 0.8+1.1 °C ICE RC

Sampled by : P. Smolcha & A. Lucci

Comments: Please specify "Other" preservative and containers types in this space

metals samples were field filtered

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
P Smolcha 6/4/19 1510	RCarlson 6/4/19 1510	RCarlson 6/4/19 1808	6/4/19 2053
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 19F0126

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:06 pm, Jun 17, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

SAMPLE RECEIPT

The following samples were received on June 05, 2019 for the analyses specified on the enclosed Chain of Custody Record.

To achieve CAM compliance for MCP data, ESS Laboratory has reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All CAM requirements have been performed and achieved unless noted in the project narrative.

Each method has been set-up in the laboratory to reach required MCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes. The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Limit Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

SVOA Analysis: Sample "MW16" (ESS# 19F0126-03) was re-extracted to confirm bis(2-ethylhexyl)phthalate. This analyte was not detected in the re-extract. The re-extract was prepared outside of the 7 day hold time. Both data sets have been reported.

Lab Number	Sample Name	Matrix	Analysis
19F0126-01	MW19	Ground Water	6010C, 6020A, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0126-02	MW17	Ground Water	6010C, 6020A, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH
19F0126-03	MW16	Ground Water	6010C, 6020A, 7470A, 8082A, 8260B, 8270D, 8270D SIM, EPH8270, MADEP-EPH

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

PROJECT NARRATIVE

8260B Volatile Organic Compounds

C9F0090-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Tetrachloroethene (24% @ 20%)

8270D Semi-Volatile Organic Compounds

19F0126-03RE1	**Estimated value. Sample hold times were exceeded (H).**
C9F0101-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**
	2-Chloronaphthalene (28% @ 20%)
C9F0101-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	2,4-Dinitrophenol (22% @ 20%)

8270D(SIM) Semi-Volatile Organic Compounds

19F0126-03RE1	**Estimated value. Sample hold times were exceeded (H).**
C9F0164-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Pentachlorophenol (31% @ 20%)
C9F0164-TUN1	**DDT breakdown > 20%**
C9F0217-CCV1	**Continuing Calibration %Diff/Drift is below control limit (CD-).**
	Pentachlorophenol (24% @ 20%)
C9F0217-TUN1	**Benzidine tailing factor >2.**
C9F0217-TUN1	**Pentachlorophenol tailing factor > 2.**
C9F0218-TUN1	**Benzidine tailing factor >2.**
C9F0218-TUN1	**Pentachlorophenol tailing factor > 2.**

Dissolved Metals

19F0126-01	**Elevated Method Reporting Limits due to sample matrix (EL).**
	Arsenic
19F0126-02	**Elevated Method Reporting Limits due to sample matrix (EL).**
	Arsenic
19F0126-03	**Elevated Method Reporting Limits due to sample matrix (EL).**
	Arsenic

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner ESS Laboratory Work Order: 19F0126

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

MassDEP Analytical Protocol Certification Form

MADEP RTN: _____

This form provides certification for the following data set: **19F0126-01 through 19F0126-03RE1**

Matrices: (X) Ground Water/Surface Water ( ) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other:_____

CAM Protocol (check all that apply below):

(X) 8260 VOC CAM II A	(X) 7470/7471 Hg CAM III B	( ) MassDEP VPH (GC/PID/FID) CAM IV A	(X) 8082 PCB CAM V A	( ) 9014 Total Cyanide/PAC CAM VI A	( ) 6860 Perchlorate CAM VIII B
(X) 8270 SVOC CAM II B	( ) 7010 Metals CAM III C	( ) MassDEP VPH (GC/MS) CAM IV C	( ) 8081 Pesticides CAM V B	( ) 7196 Hex Cr CAM VI B	( ) MassDEP APH CAM IX A
(X) 6010 Metals CAM III A	(X) 6020 Metals CAM III D	(X) MassDEP EPH CAM IV B	( ) 8151 Herbicides CAM V C	( ) Explosives CAM VIII A	( ) TO-15 VOC CAM IX B

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	Yes (X) No ( )
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	Yes (X) No ( )
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	Yes (X) No ( )
D	Does the laboratory report comply with all the reporting requirements specified in the CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No ( )
E	VPH, EPH, APH and TO-15 only: a. Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes ( ) No ( )
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	Yes (X) No ( )

Responses to Questions G, H and I below are required for "'Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols(s)? ***Data User Note:*** ***Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.***	Yes ( ) No (X)*
H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	Yes ( ) No (X)*
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	Yes (X) No ( )*

All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Date: June 17, 2019

Printed Name: Laurel Stoddard Position: Laboratory Director

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/10/19 15:17	10	10	CF90627
Arsenic	**EL** ND (5.0)		6020A		1	NAR	06/07/19 12:28	10	10	CF90627
Barium	**175** (50.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627
Cadmium	ND (1.0)		6020A		1	NAR	06/07/19 12:28	10	10	CF90627
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627
Lead	ND (1.0)		6020A		1	NAR	06/07/19 12:28	10	10	CF90627
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 12:12	20	40	CF90628
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627
Selenium	ND (5.0)		6020A		1	NAR	06/10/19 15:17	10	10	CF90627
Silver	ND (5.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627
Thallium	ND (1.0)		6020A		1	NAR	06/07/19 12:28	10	10	CF90627
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 14:35	10	10	CF90627

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MJV
Prepared: 6/6/19 10:46

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/06/19 14:13		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/06/19 14:13		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*80 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*79 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*86 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*92 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,1-Dichloroethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,1-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,1-Dichloropropene	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2-Dibromoethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2-Dichloroethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,3-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
1,4-Dioxane - Screen	ND (500)		8260B		1	06/06/19 21:04	C9F0090	CF90649
2,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
2-Butanone	ND (10.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
2-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
2-Hexanone	ND (10.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
4-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
4-Isopropyltoluene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Acetone	ND (10.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Benzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Bromobenzene	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Bromochloromethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Bromoform	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Bromomethane	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Carbon Disulfide	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Carbon Tetrachloride	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Chlorobenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Chloroethane	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Chloroform	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Chloromethane	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Dibromochloromethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Dibromomethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Diethyl Ether	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Di-isopropyl ether	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Ethylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Hexachlorobutadiene	ND (0.6)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Hexachloroethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Isopropylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Methylene Chloride	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Naphthalene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
n-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
n-Propylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
sec-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Styrene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
tert-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Tetrachloroethene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Tetrahydrofuran	ND (5.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Trichloroethene	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Trichlorofluoromethane	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Vinyl Chloride	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Xylene O	ND (1.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Xylene P,M	ND (2.0)		8260B		1	06/06/19 21:04	C9F0090	CF90649
Xylenes (Total)	ND (2.00)		8260B		1	06/06/19 21:04		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 970
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,4-Dimethylphenol	ND (51.5)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,4-Dinitrophenol	ND (51.5)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2-Chloronaphthalene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2-Chlorophenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2-Methylphenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
2-Nitrophenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (20.6)		8270D		1	06/07/19 22:31	C9F0101	CF90512
3+4-Methylphenol	ND (20.6)		8270D		1	06/07/19 22:31	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
4-Chloroaniline	ND (20.6)		8270D		1	06/07/19 22:31	C9F0101	CF90512
4-Nitrophenol	ND (51.5)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Acetophenone	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Aniline	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Azobenzene	ND (20.6)		8270D		1	06/07/19 22:31	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (6.2)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Butylbenzylphthalate	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Dibenzofuran	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Diethylphthalate	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Dimethylphthalate	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Di-n-butylphthalate	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 970
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Hexachlorobutadiene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Hexachloroethane	ND (5.2)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Isophorone	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Nitrobenzene	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512
Phenol	ND (10.3)		8270D		1	06/07/19 22:31	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*92 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*81 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*78 %*		*15-110*
Surrogate: Nitrobenzene-d5	*81 %*		*30-130*
Surrogate: Phenol-d6	*87 %*		*15-110*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 970
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Acenaphthene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Acenaphthylene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Anthracene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Benzo(a)anthracene	**0.11** (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Benzo(a)pyrene	**0.12** (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Benzo(b)fluoranthene	**0.17** (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Benzo(k)fluoranthene	**0.06** (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Chrysene	**0.14** (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Fluoranthene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Fluorene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Indeno(1,2,3-cd)Pyrene	**0.10** (0.05)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Naphthalene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Pentachlorophenol	ND (0.93)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Phenanthrene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512
Pyrene	ND (0.21)		8270D SIM		1	06/14/19 8:39	C9F0218	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW19
Date Sampled: 06/04/19 08:40
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-01
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/7/19 10:34

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/08/19 1:11	C9F0021	CF90708
C19-C36 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/08/19 1:11	C9F0021	CF90708
C11-C22 Unadjusted Aromatics1	ND (99.0)		EPH8270		1	VSC	06/07/19 21:37	C9F0094	CF90708
C11-C22 Aromatics1,2	ND (99.0)		EPH8270			VSC	06/07/19 21:37		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90708

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*64 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*96 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*90 %*		*40-140*
Surrogate: O-Terphenyl	*80 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/10/19 15:23	10	10	CF90627
Arsenic	**EL** ND (5.0)		6020A		1	NAR	06/07/19 12:34	10	10	CF90627
Barium	ND (50.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627
Cadmium	ND (1.0)		6020A		1	NAR	06/07/19 12:34	10	10	CF90627
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627
Lead	ND (1.0)		6020A		1	NAR	06/07/19 12:34	10	10	CF90627
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 12:14	20	40	CF90628
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627
Selenium	ND (5.0)		6020A		1	NAR	06/10/19 15:23	10	10	CF90627
Silver	ND (5.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627
Thallium	ND (1.0)		6020A		1	NAR	06/07/19 12:34	10	10	CF90627
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 14:40	10	10	CF90627

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MJV
Prepared: 6/6/19 10:46

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/06/19 14:32		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/06/19 14:32		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*82 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*81 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*84 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,1-Dichloroethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,1-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,1-Dichloropropene	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2-Dibromoethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2-Dichloroethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,3-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
1,4-Dioxane - Screen	ND (500)		8260B		1	06/06/19 21:30	C9F0090	CF90649
2,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
2-Butanone	ND (10.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
2-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
2-Hexanone	ND (10.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
4-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
4-Isopropyltoluene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Acetone	ND (10.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Benzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Bromobenzene	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Bromochloromethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Bromoform	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Bromomethane	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Carbon Disulfide	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Carbon Tetrachloride	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Chlorobenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Chloroethane	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Chloroform	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Chloromethane	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Dibromochloromethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Dibromomethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Diethyl Ether	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Di-isopropyl ether	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Ethylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Hexachlorobutadiene	ND (0.6)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Hexachloroethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Isopropylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Methylene Chloride	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Naphthalene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
n-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
n-Propylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
sec-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Styrene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
tert-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Tetrachloroethene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Tetrahydrofuran	ND (5.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Trichloroethene	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Trichlorofluoromethane	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Vinyl Chloride	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Xylene O	ND (1.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Xylene P,M	ND (2.0)		8260B		1	06/06/19 21:30	C9F0090	CF90649
Xylenes (Total)	ND (2.00)		8260B		1	06/06/19 21:30		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 930
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,4-Dimethylphenol	ND (53.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,4-Dinitrophenol	ND (53.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2-Chloronaphthalene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2-Chlorophenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2-Methylphenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
2-Nitrophenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (21.5)		8270D		1	06/07/19 22:59	C9F0101	CF90512
3+4-Methylphenol	ND (21.5)		8270D		1	06/07/19 22:59	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
4-Chloroaniline	ND (21.5)		8270D		1	06/07/19 22:59	C9F0101	CF90512
4-Nitrophenol	ND (53.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Acetophenone	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Aniline	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Azobenzene	ND (21.5)		8270D		1	06/07/19 22:59	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	ND (6.5)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Butylbenzylphthalate	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Dibenzofuran	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Diethylphthalate	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Dimethylphthalate	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Di-n-butylphthalate	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 930
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Hexachlorobutadiene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Hexachloroethane	ND (5.4)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Isophorone	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Nitrobenzene	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512
Phenol	ND (10.8)		8270D		1	06/07/19 22:59	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*85 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*79 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*69 %*		*15-110*
Surrogate: Nitrobenzene-d5	*82 %*		*30-130*
Surrogate: Phenol-d6	*85 %*		*15-110*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 930
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L
Analyst: VSC
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Acenaphthene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Acenaphthylene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Anthracene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Benzo(g,h,i)perylene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Fluoranthene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Fluorene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Hexachlorobenzene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Naphthalene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Pentachlorophenol	ND (0.97)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Phenanthrene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512
Pyrene	ND (0.22)		8270D SIM		1	06/14/19 9:27	C9F0218	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW17
Date Sampled: 06/04/19 10:20
Percent Solids: N/A
Initial Volume: 1010
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-02
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/7/19 10:34

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/08/19 1:58	C9F0021	CF90708
C19-C36 Aliphatics1	ND (99)		MADEP-EPH		1	CAD	06/08/19 1:58	C9F0021	CF90708
C11-C22 Unadjusted Aromatics1	ND (99.0)		EPH8270		1	VSC	06/07/19 22:13	C9F0094	CF90708
C11-C22 Aromatics1,2	ND (99.0)		EPH8270			VSC	06/07/19 22:13		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90708

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*81 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*95 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*92 %*		*40-140*
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L

Extraction Method: 200.7/6010BNoDigest

Dissolved Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (1.0)		6020A		1	NAR	06/10/19 15:28	10	10	CF90627
Arsenic	**EL** ND (5.0)		6020A		1	NAR	06/07/19 12:40	10	10	CF90627
Barium	ND (50.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627
Beryllium	ND (1.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627
Cadmium	ND (1.0)		6020A		1	NAR	06/07/19 12:40	10	10	CF90627
Chromium	ND (10.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627
Lead	ND (1.0)		6020A		1	NAR	06/07/19 12:40	10	10	CF90627
Mercury	ND (0.20)		7470A		1	MKS	06/07/19 12:16	20	40	CF90628
Nickel	ND (50.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627
Selenium	ND (5.0)		6020A		1	NAR	06/10/19 15:28	10	10	CF90627
Silver	ND (5.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627
Thallium	ND (1.0)		6020A		1	NAR	06/07/19 12:40	10	10	CF90627
Vanadium	ND (20.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627
Zinc	ND (50.0)		6010C		1	KJK	06/12/19 14:44	10	10	CF90627

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 1000
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MJV
Prepared: 6/6/19 10:46

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1221	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1232	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1242	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1248	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1254	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1260	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1262	ND (0.10)		8082A		1	06/06/19 14:51		CF90501
Aroclor 1268	ND (0.10)		8082A		1	06/06/19 14:51		CF90501

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*102 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*99 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*80 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*86 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,1,1-Trichloroethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,1,2,2-Tetrachloroethane	ND (0.5)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,1,2-Trichloroethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,1-Dichloroethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,1-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,1-Dichloropropene	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2,3-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2,3-Trichloropropane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2,4-Trichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2,4-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2-Dibromo-3-Chloropropane	ND (5.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2-Dibromoethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2-Dichloroethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,3,5-Trimethylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,3-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,3-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,4-Dichlorobenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
1,4-Dioxane - Screen	ND (500)		8260B		1	06/06/19 21:56	C9F0090	CF90649
2,2-Dichloropropane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
2-Butanone	ND (10.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
2-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
2-Hexanone	ND (10.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
4-Chlorotoluene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
4-Isopropyltoluene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
4-Methyl-2-Pentanone	ND (10.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Acetone	ND (10.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Benzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Bromobenzene	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Bromochloromethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromodichloromethane	ND (0.6)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Bromoform	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Bromomethane	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Carbon Disulfide	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Carbon Tetrachloride	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Chlorobenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Chloroethane	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Chloroform	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Chloromethane	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
cis-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
cis-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Dibromochloromethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Dibromomethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Dichlorodifluoromethane	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Diethyl Ether	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Di-isopropyl ether	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Ethyl tertiary-butyl ether	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Ethylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Hexachlorobutadiene	ND (0.6)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Hexachloroethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Isopropylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Methyl tert-Butyl Ether	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Methylene Chloride	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Naphthalene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
n-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
n-Propylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
sec-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Styrene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
tert-Butylbenzene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Tertiary-amyl methyl ether	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Tetrachloroethene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Tetrahydrofuran	ND (5.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
trans-1,2-Dichloroethene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
trans-1,3-Dichloropropene	ND (0.4)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Trichloroethene	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Trichlorofluoromethane	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Vinyl Chloride	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Xylene O	ND (1.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Xylene P,M	ND (2.0)		8260B		1	06/06/19 21:56	C9F0090	CF90649
Xylenes (Total)	ND (2.00)		8260B		1	06/06/19 21:56		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 950
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
1,2-Dichlorobenzene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
1,3-Dichlorobenzene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
1,4-Dichlorobenzene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,4,5-Trichlorophenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,4,6-Trichlorophenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,4-Dichlorophenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,4-Dimethylphenol	ND (52.6)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,4-Dinitrophenol	ND (52.6)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,4-Dinitrotoluene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2,6-Dinitrotoluene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2-Chloronaphthalene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2-Chlorophenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2-Methylphenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
2-Nitrophenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
3,3´-Dichlorobenzidine	ND (21.1)		8270D		1	06/07/19 23:28	C9F0101	CF90512
3+4-Methylphenol	ND (21.1)		8270D		1	06/07/19 23:28	C9F0101	CF90512
4-Bromophenyl-phenylether	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
4-Chloroaniline	ND (21.1)		8270D		1	06/07/19 23:28	C9F0101	CF90512
4-Nitrophenol	ND (52.6)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Acetophenone	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Aniline	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Azobenzene	ND (21.1)		8270D		1	06/07/19 23:28	C9F0101	CF90512
bis(2-Chloroethoxy)methane	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
bis(2-Chloroethyl)ether	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
bis(2-chloroisopropyl)Ether	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
bis(2-Ethylhexyl)phthalate	**11.3** (6.3)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Butylbenzylphthalate	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Dibenzofuran	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Diethylphthalate	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Dimethylphthalate	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Di-n-butylphthalate	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 950
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Hexachlorobutadiene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Hexachloroethane	ND (5.3)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Isophorone	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Nitrobenzene	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
N-Nitrosodimethylamine	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512
Phenol	ND (10.5)		8270D		1	06/07/19 23:28	C9F0101	CF90512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*64 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*71 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*65 %*		*15-110*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*15-110*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 950
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/6/19 16:45

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Acenaphthene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Acenaphthylene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Anthracene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Chrysene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Fluoranthene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Fluorene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Naphthalene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Pentachlorophenol	ND (0.95)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Phenanthrene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512
Pyrene	ND (0.21)		8270D SIM		1	06/14/19 10:16	C9F0218	CF90512

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 990
Final Volume: 1
Extraction Method: 3510C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03
Sample Matrix: Ground Water
Units: ug/L

Prepared: 6/7/19 10:34

MADEP-EPH Extractable Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Sequence	Batch
C9-C18 Aliphatics1	ND (101)		MADEP-EPH		1	CAD	06/08/19 2:45	C9F0021	CF90708
C19-C36 Aliphatics1	ND (101)		MADEP-EPH		1	CAD	06/08/19 2:45	C9F0021	CF90708
C11-C22 Unadjusted Aromatics1	ND (101)		EPH8270		1	VSC	06/07/19 22:50	C9F0094	CF90708
C11-C22 Aromatics1,2	ND (101)		EPH8270			VSC	06/07/19 22:50		[CALC]
Preservative:	**pH <= 2**		MADEP-EPH			CAD			CF90708

	%Recovery	Qualifier	Limits
Surrogate: 1-Chlorooctadecane	*79 %*		*40-140*
Surrogate: 2-Bromonaphthalene	*93 %*		*40-140*
Surrogate: 2-Fluorobiphenyl	*90 %*		*40-140*
Surrogate: O-Terphenyl	*75 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 970
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,2,4-Trichlorobenzene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
1,2-Dichlorobenzene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
1,3-Dichlorobenzene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
1,4-Dichlorobenzene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,4,5-Trichlorophenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,4,6-Trichlorophenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,4-Dichlorophenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,4-Dimethylphenol	ND (51.5)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,4-Dinitrophenol	ND (51.5)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,4-Dinitrotoluene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2,6-Dinitrotoluene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2-Chloronaphthalene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2-Chlorophenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2-Methylphenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
2-Nitrophenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
3,3´-Dichlorobenzidine	ND (20.6)		8270D		1	06/13/19 19:27	C9F0191	CF91228
3+4-Methylphenol	ND (20.6)		8270D		1	06/13/19 19:27	C9F0191	CF91228
4-Bromophenyl-phenylether	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
4-Chloroaniline	ND (20.6)		8270D		1	06/13/19 19:27	C9F0191	CF91228
4-Nitrophenol	ND (51.5)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Acetophenone	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Aniline	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Azobenzene	ND (20.6)		8270D		1	06/13/19 19:27	C9F0191	CF91228
bis(2-Chloroethoxy)methane	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
bis(2-Chloroethyl)ether	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
bis(2-chloroisopropyl)Ether	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
bis(2-Ethylhexyl)phthalate	ND (6.2)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Butylbenzylphthalate	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Dibenzofuran	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Diethylphthalate	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Dimethylphthalate	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Di-n-butylphthalate	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 970
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: TJ
Prepared: 6/12/19 17:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Di-n-octylphthalate	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Hexachlorobutadiene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Hexachloroethane	ND (5.2)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Isophorone	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Nitrobenzene	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
N-Nitrosodimethylamine	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228
Phenol	ND (10.3)		8270D		1	06/13/19 19:27	C9F0191	CF91228

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*74 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*73 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*65 %*		*30-130*
Surrogate: 2-Fluorophenol	*67 %*		*15-110*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*15-110*
Surrogate: p-Terphenyl-d14	*67 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner
Client Sample ID: MW16
Date Sampled: 06/04/19 11:30
Percent Solids: N/A
Initial Volume: 970
Final Volume: 0.25
Extraction Method: 3520C

ESS Laboratory Work Order: 19F0126
ESS Laboratory Sample ID: 19F0126-03RE1
Sample Matrix: Ground Water
Units: ug/L
Analyst: IBM
Prepared: 6/12/19 17:05

8270D(SIM) Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Acenaphthene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Acenaphthylene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Anthracene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Benzo(a)anthracene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Benzo(a)pyrene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Benzo(b)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Benzo(g,h,i)perylene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Benzo(k)fluoranthene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Chrysene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Dibenzo(a,h)Anthracene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Fluoranthene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Fluorene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Hexachlorobenzene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Indeno(1,2,3-cd)Pyrene	ND (0.05)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Naphthalene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Pentachlorophenol	ND (0.93)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Phenanthrene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228
Pyrene	ND (0.21)		8270D SIM		1	06/14/19 6:17	C9F0218	CF91228

%Recovery	Qualifier	Limits

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Dissolved Metals										
Batch CF90627 - 200.7/6010BNoDigest										
Blank										
Antimony	ND	1.0	ug/L							
Arsenic	ND	5.0	ug/L							
Barium	ND	50.0	ug/L							
Beryllium	ND	1.0	ug/L							
Cadmium	ND	0.2	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	1.0	ug/L							
Nickel	ND	50.0	ug/L							
Selenium	ND	5.0	ug/L							
Silver	ND	5.0	ug/L							
Thallium	ND	1.0	ug/L							
Vanadium	ND	20.0	ug/L							
Zinc	ND	50.0	ug/L							
LCS										
Barium	0.5		mg/L	0.5000		104	80-120			
Beryllium	0.05		mg/L	0.05000		98	80-120			
Chromium	0.5		mg/L	0.5000		104	80-120			
Nickel	0.5		mg/L	0.5000		105	80-120			
Silver	0.3		mg/L	0.2500		105	80-120			
Vanadium	0.5		mg/L	0.5000		104	80-120			
Zinc	0.5		mg/L	0.5000		104	80-120			
LCS										
Antimony	21.3		ug/L	20.04		106	80-120			
Arsenic	18.0		ug/L	20.00		90	80-120			
Cadmium	19.4		ug/L	20.10		96	80-120			
Lead	18.6		ug/L	19.98		93	80-120			
Selenium	20.6		ug/L	19.98		103	80-120			
Thallium	18.8		ug/L	20.02		94	80-120			
Batch CF90628 - 245.1/7470A										
Blank										
Mercury	ND	0.20	ug/L							
LCS										
Mercury	6.16	0.20	ug/L	6.042		102	80-120			
LCS Dup										
Mercury	6.11	0.20	ug/L	6.042		101	80-120	0.9	20	
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90501 - 3510C										
Blank										
Aroclor 1016	ND	0.05	ug/L							
Aroclor 1016 [2C]	ND	0.05	ug/L							
Aroclor 1221	ND	0.05	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CF90501 - 3510C										
Aroclor 1221 [2C]	ND	0.05	ug/L							
Aroclor 1232	ND	0.05	ug/L							
Aroclor 1232 [2C]	ND	0.05	ug/L							
Aroclor 1242	ND	0.05	ug/L							
Aroclor 1242 [2C]	ND	0.05	ug/L							
Aroclor 1248	ND	0.05	ug/L							
Aroclor 1248 [2C]	ND	0.05	ug/L							
Aroclor 1254	ND	0.05	ug/L							
Aroclor 1254 [2C]	ND	0.05	ug/L							
Aroclor 1260	ND	0.05	ug/L							
Aroclor 1260 [2C]	ND	0.05	ug/L							
Aroclor 1262	ND	0.05	ug/L							
Aroclor 1262 [2C]	ND	0.05	ug/L							
Aroclor 1268	ND	0.05	ug/L							
Aroclor 1268 [2C]	ND	0.05	ug/L							
Surrogate: Decachlorobiphenyl	*0.0396*		ug/L	*0.05000*		*79*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0383*		ug/L	*0.05000*		*77*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0335*		ug/L	*0.05000*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0358*		ug/L	*0.05000*		*72*	*30-150*			
LCS										
Aroclor 1016	1.08	0.10	ug/L	1.000		108	40-140			
Aroclor 1016 [2C]	1.01	0.10	ug/L	1.000		101	40-140			
Aroclor 1260	0.94	0.10	ug/L	1.000		94	40-140			
Aroclor 1260 [2C]	0.97	0.10	ug/L	1.000		97	40-140			
Surrogate: Decachlorobiphenyl	*0.0480*		ug/L	*0.05000*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0465*		ug/L	*0.05000*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0402*		ug/L	*0.05000*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0401*		ug/L	*0.05000*		*80*	*30-150*			
LCS Dup										
Aroclor 1016	1.04	0.10	ug/L	1.000		104	40-140	3	20	
Aroclor 1016 [2C]	0.97	0.10	ug/L	1.000		97	40-140	4	20	
Aroclor 1260	0.94	0.10	ug/L	1.000		94	40-140	0.2	20	
Aroclor 1260 [2C]	0.97	0.10	ug/L	1.000		97	40-140	0.6	20	
Surrogate: Decachlorobiphenyl	*0.0476*		ug/L	*0.05000*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0463*		ug/L	*0.05000*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0380*		ug/L	*0.05000*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0376*		ug/L	*0.05000*		*75*	*30-150*			
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
Blank										
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
1,1-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	1.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	1.0	ug/L							
1,2,4-Trimethylbenzene	ND	1.0	ug/L							
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
1,2-Dichlorobenzene	ND	1.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
1,3,5-Trimethylbenzene	ND	1.0	ug/L							
1,3-Dichlorobenzene	ND	1.0	ug/L							
1,3-Dichloropropane	ND	1.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
1,4-Dioxane - Screen	ND	500	ug/L							
2,2-Dichloropropane	ND	1.0	ug/L							
2-Butanone	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.0	ug/L							
2-Hexanone	ND	10.0	ug/L							
4-Chlorotoluene	ND	1.0	ug/L							
4-Isopropyltoluene	ND	1.0	ug/L							
4-Methyl-2-Pentanone	ND	10.0	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.0	ug/L							
Bromobenzene	ND	2.0	ug/L							
Bromochloromethane	ND	1.0	ug/L							
Bromodichloromethane	ND	0.6	ug/L							
Bromoform	ND	1.0	ug/L							
Bromomethane	ND	2.0	ug/L							
Carbon Disulfide	ND	1.0	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	1.0	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	1.0	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	0.4	ug/L							
Dibromochloromethane	ND	1.0	ug/L							
Dibromomethane	ND	1.0	ug/L							
Dichlorodifluoromethane	ND	2.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
Diethyl Ether	ND	1.0	ug/L							
Di-isopropyl ether	ND	1.0	ug/L							
Ethyl tertiary-butyl ether	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Hexachlorobutadiene	ND	0.6	ug/L							
Hexachloroethane	ND	1.0	ug/L							
Isopropylbenzene	ND	1.0	ug/L							
Methyl tert-Butyl Ether	ND	1.0	ug/L							
Methylene Chloride	ND	2.0	ug/L							
Naphthalene	ND	1.0	ug/L							
n-Butylbenzene	ND	1.0	ug/L							
n-Propylbenzene	ND	1.0	ug/L							
sec-Butylbenzene	ND	1.0	ug/L							
Styrene	ND	1.0	ug/L							
tert-Butylbenzene	ND	1.0	ug/L							
Tertiary-amyl methyl ether	ND	1.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Tetrahydrofuran	ND	5.0	ug/L							
Toluene	ND	1.0	ug/L							
trans-1,2-Dichloroethene	ND	1.0	ug/L							
trans-1,3-Dichloropropene	ND	0.4	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylene O	ND	1.0	ug/L							
Xylene P,M	ND	2.0	ug/L							
Surrogate: 1,2-Dichloroethane-d4	*24.9*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		ug/L	*25.00*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*24.6*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.2*		ug/L	*25.00*		*101*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.00		99	70-130			
1,1,1-Trichloroethane	9.8		ug/L	10.00		98	70-130			
1,1,2,2-Tetrachloroethane	10.3		ug/L	10.00		103	70-130			
1,1,2-Trichloroethane	9.9		ug/L	10.00		99	70-130			
1,1-Dichloroethane	10.2		ug/L	10.00		102	70-130			
1,1-Dichloroethene	9.9		ug/L	10.00		99	70-130			
1,1-Dichloropropene	10.0		ug/L	10.00		100	70-130			
1,2,3-Trichlorobenzene	9.9		ug/L	10.00		99	70-130			
1,2,3-Trichloropropane	10.1		ug/L	10.00		101	70-130			
1,2,4-Trichlorobenzene	10.2		ug/L	10.00		102	70-130			
1,2,4-Trimethylbenzene	10.8		ug/L	10.00		108	70-130			
1,2-Dibromo-3-Chloropropane	9.7		ug/L	10.00		97	70-130			
1,2-Dibromoethane	9.8		ug/L	10.00		98	70-130			
1,2-Dichlorobenzene	9.8		ug/L	10.00		98	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
1,2-Dichloroethane	9.8		ug/L	10.00		98	70-130			
1,2-Dichloropropane	9.9		ug/L	10.00		99	70-130			
1,3,5-Trimethylbenzene	10.6		ug/L	10.00		106	70-130			
1,3-Dichlorobenzene	9.8		ug/L	10.00		98	70-130			
1,3-Dichloropropane	10.4		ug/L	10.00		104	70-130			
1,4-Dichlorobenzene	9.9		ug/L	10.00		99	70-130			
1,4-Dioxane - Screen	198		ug/L	200.0		99	0-332			
2,2-Dichloropropane	10.0		ug/L	10.00		100	70-130			
2-Butanone	48.1		ug/L	50.00		96	70-130			
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130			
2-Hexanone	51.4		ug/L	50.00		103	70-130			
4-Chlorotoluene	10.4		ug/L	10.00		104	70-130			
4-Isopropyltoluene	10.1		ug/L	10.00		101	70-130			
4-Methyl-2-Pentanone	51.7		ug/L	50.00		103	70-130			
Acetone	45.8		ug/L	50.00		92	70-130			
Benzene	9.8		ug/L	10.00		98	70-130			
Bromobenzene	10.1		ug/L	10.00		101	70-130			
Bromochloromethane	9.4		ug/L	10.00		94	70-130			
Bromodichloromethane	10.0		ug/L	10.00		100	70-130			
Bromoform	9.6		ug/L	10.00		96	70-130			
Bromomethane	10.7		ug/L	10.00		107	70-130			
Carbon Disulfide	10.5		ug/L	10.00		105	70-130			
Carbon Tetrachloride	9.4		ug/L	10.00		94	70-130			
Chlorobenzene	9.6		ug/L	10.00		96	70-130			
Chloroethane	9.7		ug/L	10.00		97	70-130			
Chloroform	9.8		ug/L	10.00		98	70-130			
Chloromethane	10.3		ug/L	10.00		103	70-130			
cis-1,2-Dichloroethene	9.6		ug/L	10.00		96	70-130			
cis-1,3-Dichloropropene	10.5		ug/L	10.00		105	70-130			
Dibromochloromethane	9.8		ug/L	10.00		98	70-130			
Dibromomethane	9.9		ug/L	10.00		99	70-130			
Dichlorodifluoromethane	10.6		ug/L	10.00		106	70-130			
Diethyl Ether	10.9		ug/L	10.00		109	70-130			
Di-isopropyl ether	10.0		ug/L	10.00		100	70-130			
Ethyl tertiary-butyl ether	9.7		ug/L	10.00		97	70-130			
Ethylbenzene	10.1		ug/L	10.00		101	70-130			
Hexachlorobutadiene	9.8		ug/L	10.00		98	70-130			
Hexachloroethane	9.7		ug/L	10.00		97	70-130			
Isopropylbenzene	10.4		ug/L	10.00		104	70-130			
Methyl tert-Butyl Ether	10.6		ug/L	10.00		106	70-130			
Methylene Chloride	10.1		ug/L	10.00		101	70-130			
Naphthalene	10.4		ug/L	10.00		104	70-130			
n-Butylbenzene	10.4		ug/L	10.00		104	70-130			
n-Propylbenzene	10.2		ug/L	10.00		102	70-130			
sec-Butylbenzene	10.1		ug/L	10.00		101	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

8260B Volatile Organic Compounds

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CF90649 - 5030B										
Styrene	10.5		ug/L	10.00		105	70-130			
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130			
Tertiary-amyl methyl ether	10.0		ug/L	10.00		100	70-130			
Tetrachloroethene	8.1		ug/L	10.00		81	70-130			
Tetrahydrofuran	9.9		ug/L	10.00		99	70-130			
Toluene	9.8		ug/L	10.00		98	70-130			
trans-1,2-Dichloroethene	9.9		ug/L	10.00		99	70-130			
trans-1,3-Dichloropropene	10.8		ug/L	10.00		108	70-130			
Trichloroethene	9.4		ug/L	10.00		94	70-130			
Trichlorofluoromethane	10.0		ug/L	10.00		100	70-130			
Vinyl Chloride	9.7		ug/L	10.00		97	70-130			
Xylene O	10.4		ug/L	10.00		104	70-130			
Xylene P,M	20.8		ug/L	20.00		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.0*		ug/L	*25.00*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.9*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*24.4*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.8*		ug/L	*25.00*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.00		103	70-130	5	20	
1,1,1-Trichloroethane	10.2		ug/L	10.00		102	70-130	4	20	
1,1,2,2-Tetrachloroethane	10.8		ug/L	10.00		108	70-130	4	20	
1,1,2-Trichloroethane	10.1		ug/L	10.00		101	70-130	2	20	
1,1-Dichloroethane	10.6		ug/L	10.00		106	70-130	4	20	
1,1-Dichloroethene	10.4		ug/L	10.00		104	70-130	5	20	
1,1-Dichloropropene	10.3		ug/L	10.00		103	70-130	3	20	
1,2,3-Trichlorobenzene	10.4		ug/L	10.00		104	70-130	5	20	
1,2,3-Trichloropropane	10.2		ug/L	10.00		102	70-130	1	20	
1,2,4-Trichlorobenzene	10.7		ug/L	10.00		107	70-130	5	20	
1,2,4-Trimethylbenzene	11.6		ug/L	10.00		116	70-130	6	20	
1,2-Dibromo-3-Chloropropane	9.4		ug/L	10.00		94	70-130	4	20	
1,2-Dibromoethane	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	5	20	
1,2-Dichloroethane	9.8		ug/L	10.00		98	70-130	0.2	20	
1,2-Dichloropropane	10.3		ug/L	10.00		103	70-130	4	20	
1,3,5-Trimethylbenzene	11.2		ug/L	10.00		112	70-130	5	20	
1,3-Dichlorobenzene	10.2		ug/L	10.00		102	70-130	4	20	
1,3-Dichloropropane	10.6		ug/L	10.00		106	70-130	2	20	
1,4-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	3	20	
1,4-Dioxane - Screen	206		ug/L	200.0		103	0-332	4	200	
2,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	4	20	
2-Butanone	49.0		ug/L	50.00		98	70-130	2	20	
2-Chlorotoluene	10.6		ug/L	10.00		106	70-130	4	20	
2-Hexanone	52.5		ug/L	50.00		105	70-130	2	20	
4-Chlorotoluene	10.8		ug/L	10.00		108	70-130	4	20	
4-Isopropyltoluene	10.6		ug/L	10.00		106	70-130	5	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
4-Methyl-2-Pentanone	52.5		ug/L	50.00		105	70-130	2	20	
Acetone	46.8		ug/L	50.00		94	70-130	2	20	
Benzene	10.2		ug/L	10.00		102	70-130	4	20	
Bromobenzene	10.6		ug/L	10.00		106	70-130	5	20	
Bromochloromethane	9.8		ug/L	10.00		98	70-130	4	20	
Bromodichloromethane	10.2		ug/L	10.00		102	70-130	1	20	
Bromoform	10.0		ug/L	10.00		100	70-130	3	20	
Bromomethane	11.0		ug/L	10.00		110	70-130	2	20	
Carbon Disulfide	11.0		ug/L	10.00		110	70-130	5	20	
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130	6	20	
Chlorobenzene	10.0		ug/L	10.00		100	70-130	4	20	
Chloroethane	10.3		ug/L	10.00		103	70-130	6	20	
Chloroform	10.1		ug/L	10.00		101	70-130	3	20	
Chloromethane	10.6		ug/L	10.00		106	70-130	3	20	
cis-1,2-Dichloroethene	9.9		ug/L	10.00		99	70-130	2	20	
cis-1,3-Dichloropropene	11.0		ug/L	10.00		110	70-130	4	20	
Dibromochloromethane	10.1		ug/L	10.00		101	70-130	4	20	
Dibromomethane	10.2		ug/L	10.00		102	70-130	2	20	
Dichlorodifluoromethane	11.1		ug/L	10.00		111	70-130	5	20	
Diethyl Ether	11.0		ug/L	10.00		110	70-130	1	20	
Di-isopropyl ether	10.4		ug/L	10.00		104	70-130	4	20	
Ethyl tertiary-butyl ether	9.9		ug/L	10.00		99	70-130	2	20	
Ethylbenzene	10.8		ug/L	10.00		108	70-130	6	20	
Hexachlorobutadiene	10.6		ug/L	10.00		106	70-130	8	20	
Hexachloroethane	10.2		ug/L	10.00		102	70-130	6	20	
Isopropylbenzene	10.9		ug/L	10.00		109	70-130	5	20	
Methyl tert-Butyl Ether	10.8		ug/L	10.00		108	70-130	2	20	
Methylene Chloride	10.5		ug/L	10.00		105	70-130	4	20	
Naphthalene	10.7		ug/L	10.00		107	70-130	3	20	
n-Butylbenzene	11.1		ug/L	10.00		111	70-130	6	20	
n-Propylbenzene	10.8		ug/L	10.00		108	70-130	5	20	
sec-Butylbenzene	10.8		ug/L	10.00		108	70-130	6	20	
Styrene	10.9		ug/L	10.00		109	70-130	4	20	
tert-Butylbenzene	10.8		ug/L	10.00		108	70-130	5	20	
Tertiary-amyl methyl ether	10.4		ug/L	10.00		104	70-130	3	20	
Tetrachloroethene	8.7		ug/L	10.00		87	70-130	7	20	
Tetrahydrofuran	9.9		ug/L	10.00		99	70-130	0.2	20	
Toluene	10.2		ug/L	10.00		102	70-130	4	20	
trans-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130	7	20	
trans-1,3-Dichloropropene	10.8		ug/L	10.00		108	70-130	0	20	
Trichloroethene	9.8		ug/L	10.00		98	70-130	4	20	
Trichlorofluoromethane	10.4		ug/L	10.00		104	70-130	4	20	
Vinyl Chloride	9.9		ug/L	10.00		99	70-130	2	20	
Xylene O	10.7		ug/L	10.00		107	70-130	2	20	
Xylene P,M	21.9		ug/L	20.00		110	70-130	5	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CF90649 - 5030B										
Surrogate: 1,2-Dichloroethane-d4	*23.8*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.0*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*24.4*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		ug/L	*25.00*		*100*	*70-130*			
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*79.3*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*128*		ug/L	*150.0*		*86*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*88.1*		ug/L	*100.0*		*88*	*30-130*			
Surrogate: 2-Fluorophenol	*95.9*		ug/L	*150.0*		*64*	*15-110*			
Surrogate: Nitrobenzene-d5	*85.4*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Phenol-d6	*128*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: p-Terphenyl-d14	*99.2*		ug/L	*100.0*		*99*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	75.4	10.0	ug/L	100.0		75	40-140			
1,2-Dichlorobenzene	72.1	10.0	ug/L	100.0		72	40-140			
1,3-Dichlorobenzene	70.7	10.0	ug/L	100.0		71	40-140			
1,4-Dichlorobenzene	71.0	10.0	ug/L	100.0		71	40-140			
2,4,5-Trichlorophenol	84.9	10.0	ug/L	100.0		85	30-130			
2,4,6-Trichlorophenol	81.7	10.0	ug/L	100.0		82	30-130			
2,4-Dichlorophenol	80.3	10.0	ug/L	100.0		80	30-130			
2,4-Dimethylphenol	68.8	50.0	ug/L	100.0		69	30-130			
2,4-Dinitrophenol	74.8	50.0	ug/L	100.0		75	30-130			
2,4-Dinitrotoluene	98.9	10.0	ug/L	100.0		99	40-140			
2,6-Dinitrotoluene	92.0	10.0	ug/L	100.0		92	40-140			
2-Chloronaphthalene	73.4	10.0	ug/L	100.0		73	40-140			
2-Chlorophenol	67.7	10.0	ug/L	100.0		68	30-130			
2-Methylphenol	73.8	10.0	ug/L	100.0		74	30-130			
2-Nitrophenol	76.2	10.0	ug/L	100.0		76	30-130			
3,3´-Dichlorobenzidine	71.3	20.0	ug/L	100.0		71	40-140			
3+4-Methylphenol	160	20.0	ug/L	200.0		80	30-130			
4-Bromophenyl-phenylether	97.0	10.0	ug/L	100.0		97	40-140			
4-Chloroaniline	73.0	20.0	ug/L	100.0		73	40-140			
4-Nitrophenol	82.9	50.0	ug/L	100.0		83	30-130			
Acetophenone	76.8	10.0	ug/L	100.0		77	40-140			
Aniline	70.0	10.0	ug/L	100.0		70	40-140			
Azobenzene	84.1	20.0	ug/L	100.0		84	40-140			
bis(2-Chloroethoxy)methane	78.8	10.0	ug/L	100.0		79	40-140			
bis(2-Chloroethyl)ether	76.9	10.0	ug/L	100.0		77	40-140			
bis(2-chloroisopropyl)Ether	73.2	10.0	ug/L	100.0		73	40-140			
bis(2-Ethylhexyl)phthalate	99.6	6.0	ug/L	100.0		100	40-140			
Butylbenzylphthalate	95.8	10.0	ug/L	100.0		96	40-140			
Dibenzofuran	84.4	10.0	ug/L	100.0		84	40-140			
Diethylphthalate	94.1	10.0	ug/L	100.0		94	40-140			
Dimethylphthalate	94.2	10.0	ug/L	100.0		94	40-140			
Di-n-butylphthalate	93.1	10.0	ug/L	100.0		93	40-140			
Di-n-octylphthalate	109	10.0	ug/L	100.0		109	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Hexachlorobutadiene	74.1	10.0	ug/L	100.0		74	40-140			
Hexachloroethane	72.0	5.0	ug/L	100.0		72	40-140			
Isophorone	70.9	10.0	ug/L	100.0		71	40-140			
Nitrobenzene	74.7	10.0	ug/L	100.0		75	40-140			
N-Nitrosodimethylamine	64.4	10.0	ug/L	100.0		64	40-140			
Phenol	72.3	10.0	ug/L	100.0		72	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*73.0*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*131*		ug/L	*150.0*		*88*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*108*		ug/L	*150.0*		*72*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.8*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*90.4*		ug/L	*150.0*		*60*	*15-110*			
Surrogate: Nitrobenzene-d5	*78.8*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: Phenol-d6	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: p-Terphenyl-d14	*96.0*		ug/L	*100.0*		*96*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	80.8	10.0	ug/L	100.0		81	40-140	7	20	
1,2-Dichlorobenzene	77.0	10.0	ug/L	100.0		77	40-140	7	20	
1,3-Dichlorobenzene	74.1	10.0	ug/L	100.0		74	40-140	5	20	
1,4-Dichlorobenzene	75.9	10.0	ug/L	100.0		76	40-140	7	20	
2,4,5-Trichlorophenol	81.2	10.0	ug/L	100.0		81	30-130	4	20	
2,4,6-Trichlorophenol	81.3	10.0	ug/L	100.0		81	30-130	0.6	20	
2,4-Dichlorophenol	83.6	10.0	ug/L	100.0		84	30-130	4	20	
2,4-Dimethylphenol	71.4	50.0	ug/L	100.0		71	30-130	4	20	
2,4-Dinitrophenol	78.4	50.0	ug/L	100.0		78	30-130	5	20	
2,4-Dinitrotoluene	94.9	10.0	ug/L	100.0		95	40-140	4	20	
2,6-Dinitrotoluene	89.4	10.0	ug/L	100.0		89	40-140	3	20	
2-Chloronaphthalene	70.7	10.0	ug/L	100.0		71	40-140	4	20	
2-Chlorophenol	73.6	10.0	ug/L	100.0		74	30-130	8	20	
2-Methylphenol	77.4	10.0	ug/L	100.0		77	30-130	5	20	
2-Nitrophenol	82.1	10.0	ug/L	100.0		82	30-130	8	20	
3,3´-Dichlorobenzidine	74.6	20.0	ug/L	100.0		75	40-140	4	20	
3+4-Methylphenol	167	20.0	ug/L	200.0		84	30-130	4	20	
4-Bromophenyl-phenylether	96.1	10.0	ug/L	100.0		96	40-140	1	20	
4-Chloroaniline	74.1	20.0	ug/L	100.0		74	40-140	2	20	
4-Nitrophenol	81.2	50.0	ug/L	100.0		81	30-130	2	20	
Acetophenone	81.6	10.0	ug/L	100.0		82	40-140	6	20	
Aniline	74.4	10.0	ug/L	100.0		74	40-140	6	20	
Azobenzene	90.4	20.0	ug/L	100.0		90	40-140	7	20	
bis(2-Chloroethoxy)methane	82.3	10.0	ug/L	100.0		82	40-140	4	20	
bis(2-Chloroethyl)ether	83.2	10.0	ug/L	100.0		83	40-140	8	20	
bis(2-chloroisopropyl)Ether	79.3	10.0	ug/L	100.0		79	40-140	8	20	
bis(2-Ethylhexyl)phthalate	103	6.0	ug/L	100.0		103	40-140	3	20	
Butylbenzylphthalate	95.9	10.0	ug/L	100.0		96	40-140	0.05	20	
Dibenzofuran	83.1	10.0	ug/L	100.0		83	40-140	1	20	
Diethylphthalate	91.6	10.0	ug/L	100.0		92	40-140	3	20	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Dimethylphthalate	93.4	10.0	ug/L	100.0		93	40-140	0.9	20	
Di-n-butylphthalate	95.9	10.0	ug/L	100.0		96	40-140	3	20	
Di-n-octylphthalate	102	10.0	ug/L	100.0		102	40-140	7	20	
Hexachlorobutadiene	80.4	10.0	ug/L	100.0		80	40-140	8	20	
Hexachloroethane	76.6	5.0	ug/L	100.0		77	40-140	6	20	
Isophorone	75.1	10.0	ug/L	100.0		75	40-140	6	20	
Nitrobenzene	80.6	10.0	ug/L	100.0		81	40-140	8	20	
N-Nitrosodimethylamine	71.7	10.0	ug/L	100.0		72	40-140	11	20	
Phenol	76.9	10.0	ug/L	100.0		77	30-130	6	20	
Surrogate: 1,2-Dichlorobenzene-d4	*79.3*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*128*		ug/L	*150.0*		*85*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*117*		ug/L	*150.0*		*78*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*82.4*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*100*		ug/L	*150.0*		*67*	*15-110*			
Surrogate: Nitrobenzene-d5	*84.8*		ug/L	*100.0*		*85*	*30-130*			
Surrogate: Phenol-d6	*124*		ug/L	*150.0*		*83*	*15-110*			
Surrogate: p-Terphenyl-d14	*99.9*		ug/L	*100.0*		*100*	*30-130*			
Batch CF91228 - 3520C										
Blank										
1,2,4-Trichlorobenzene	ND	10.0	ug/L							
1,2-Dichlorobenzene	ND	10.0	ug/L							
1,3-Dichlorobenzene	ND	10.0	ug/L							
1,4-Dichlorobenzene	ND	10.0	ug/L							
2,4,5-Trichlorophenol	ND	10.0	ug/L							
2,4,6-Trichlorophenol	ND	10.0	ug/L							
2,4-Dichlorophenol	ND	10.0	ug/L							
2,4-Dimethylphenol	ND	50.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	10.0	ug/L							
2,6-Dinitrotoluene	ND	10.0	ug/L							
2-Chloronaphthalene	ND	10.0	ug/L							
2-Chlorophenol	ND	10.0	ug/L							
2-Methylphenol	ND	10.0	ug/L							
2-Nitrophenol	ND	10.0	ug/L							
3,3´-Dichlorobenzidine	ND	20.0	ug/L							
3+4-Methylphenol	ND	20.0	ug/L							
4-Bromophenyl-phenylether	ND	10.0	ug/L							
4-Chloroaniline	ND	20.0	ug/L							
4-Nitrophenol	ND	50.0	ug/L							
Acetophenone	ND	10.0	ug/L							
Aniline	ND	10.0	ug/L							
Azobenzene	ND	20.0	ug/L							
bis(2-Chloroethoxy)methane	ND	10.0	ug/L							
bis(2-Chloroethyl)ether	ND	10.0	ug/L							
bis(2-chloroisopropyl)Ether	ND	10.0	ug/L							

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
bis(2-Ethylhexyl)phthalate	ND	6.0	ug/L							
Butylbenzylphthalate	ND	10.0	ug/L							
Dibenzofuran	ND	10.0	ug/L							
Diethylphthalate	ND	10.0	ug/L							
Dimethylphthalate	ND	10.0	ug/L							
Di-n-butylphthalate	ND	10.0	ug/L							
Di-n-octylphthalate	ND	10.0	ug/L							
Hexachlorobutadiene	ND	10.0	ug/L							
Hexachloroethane	ND	5.0	ug/L							
Isophorone	ND	10.0	ug/L							
Nitrobenzene	ND	10.0	ug/L							
N-Nitrosodimethylamine	ND	10.0	ug/L							
Phenol	ND	10.0	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*73.1*		ug/L	*100.0*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*111*		ug/L	*150.0*		*74*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*114*		ug/L	*150.0*		*76*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*69.6*		ug/L	*100.0*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*95.4*		ug/L	*150.0*		*64*	*15-110*			
Surrogate: Nitrobenzene-d5	*78.3*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: Phenol-d6	*130*		ug/L	*150.0*		*87*	*15-110*			
Surrogate: p-Terphenyl-d14	*74.4*		ug/L	*100.0*		*74*	*30-130*			
LCS										
1,2,4-Trichlorobenzene	78.3	10.0	ug/L	100.0		78	40-140			
1,2-Dichlorobenzene	77.6	10.0	ug/L	100.0		78	40-140			
1,3-Dichlorobenzene	73.5	10.0	ug/L	100.0		74	40-140			
1,4-Dichlorobenzene	74.1	10.0	ug/L	100.0		74	40-140			
2,4,5-Trichlorophenol	84.5	10.0	ug/L	100.0		84	30-130			
2,4,6-Trichlorophenol	80.6	10.0	ug/L	100.0		81	30-130			
2,4-Dichlorophenol	83.9	10.0	ug/L	100.0		84	30-130			
2,4-Dimethylphenol	72.8	50.0	ug/L	100.0		73	30-130			
2,4-Dinitrophenol	88.9	50.0	ug/L	100.0		89	30-130			
2,4-Dinitrotoluene	95.9	10.0	ug/L	100.0		96	40-140			
2,6-Dinitrotoluene	83.9	10.0	ug/L	100.0		84	40-140			
2-Chloronaphthalene	104	10.0	ug/L	100.0		104	40-140			
2-Chlorophenol	77.7	10.0	ug/L	100.0		78	30-130			
2-Methylphenol	86.7	10.0	ug/L	100.0		87	30-130			
2-Nitrophenol	79.8	10.0	ug/L	100.0		80	30-130			
3,3´-Dichlorobenzidine	77.8	20.0	ug/L	100.0		78	40-140			
3+4-Methylphenol	187	20.0	ug/L	200.0		93	30-130			
4-Bromophenyl-phenylether	83.7	10.0	ug/L	100.0		84	40-140			
4-Chloroaniline	80.1	20.0	ug/L	100.0		80	40-140			
4-Nitrophenol	99.7	50.0	ug/L	100.0		100	30-130			
Acetophenone	87.9	10.0	ug/L	100.0		88	40-140			
Aniline	81.7	10.0	ug/L	100.0		82	40-140			
Azobenzene	79.8	20.0	ug/L	100.0		80	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
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ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
bis(2-Chloroethoxy)methane	80.5	10.0	ug/L	100.0		80	40-140			
bis(2-Chloroethyl)ether	86.3	10.0	ug/L	100.0		86	40-140			
bis(2-chloroisopropyl)Ether	78.3	10.0	ug/L	100.0		78	40-140			
bis(2-Ethylhexyl)phthalate	82.5	6.0	ug/L	100.0		83	40-140			
Butylbenzylphthalate	79.5	10.0	ug/L	100.0		80	40-140			
Dibenzofuran	80.1	10.0	ug/L	100.0		80	40-140			
Diethylphthalate	91.6	10.0	ug/L	100.0		92	40-140			
Dimethylphthalate	93.4	10.0	ug/L	100.0		93	40-140			
Di-n-butylphthalate	91.9	10.0	ug/L	100.0		92	40-140			
Di-n-octylphthalate	78.4	10.0	ug/L	100.0		78	40-140			
Hexachlorobutadiene	74.2	10.0	ug/L	100.0		74	40-140			
Hexachloroethane	75.4	5.0	ug/L	100.0		75	40-140			
Isophorone	74.0	10.0	ug/L	100.0		74	40-140			
Nitrobenzene	81.2	10.0	ug/L	100.0		81	40-140			
N-Nitrosodimethylamine	76.2	10.0	ug/L	100.0		76	40-140			
Phenol	87.1	10.0	ug/L	100.0		87	30-130			
Surrogate: 1,2-Dichlorobenzene-d4	*76.4*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*126*		ug/L	*150.0*		*84*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*122*		ug/L	*150.0*		*81*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*76.5*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2-Fluorophenol	*103*		ug/L	*150.0*		*69*	*15-110*			
Surrogate: Nitrobenzene-d5	*83.6*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: Phenol-d6	*138*		ug/L	*150.0*		*92*	*15-110*			
Surrogate: p-Terphenyl-d14	*76.0*		ug/L	*100.0*		*76*	*30-130*			
LCS Dup										
1,2,4-Trichlorobenzene	80.3	10.0	ug/L	100.0		80	40-140	2	20	
1,2-Dichlorobenzene	80.7	10.0	ug/L	100.0		81	40-140	4	20	
1,3-Dichlorobenzene	78.2	10.0	ug/L	100.0		78	40-140	6	20	
1,4-Dichlorobenzene	79.3	10.0	ug/L	100.0		79	40-140	7	20	
2,4,5-Trichlorophenol	87.7	10.0	ug/L	100.0		88	30-130	4	20	
2,4,6-Trichlorophenol	85.3	10.0	ug/L	100.0		85	30-130	6	20	
2,4-Dichlorophenol	84.6	10.0	ug/L	100.0		85	30-130	0.9	20	
2,4-Dimethylphenol	77.2	50.0	ug/L	100.0		77	30-130	6	20	
2,4-Dinitrophenol	94.8	50.0	ug/L	100.0		95	30-130	6	20	
2,4-Dinitrotoluene	102	10.0	ug/L	100.0		102	40-140	6	20	
2,6-Dinitrotoluene	90.5	10.0	ug/L	100.0		91	40-140	8	20	
2-Chloronaphthalene	110	10.0	ug/L	100.0		110	40-140	5	20	
2-Chlorophenol	80.4	10.0	ug/L	100.0		80	30-130	3	20	
2-Methylphenol	87.6	10.0	ug/L	100.0		88	30-130	1	20	
2-Nitrophenol	82.6	10.0	ug/L	100.0		83	30-130	3	20	
3,3´-Dichlorobenzidine	81.7	20.0	ug/L	100.0		82	40-140	5	20	
3+4-Methylphenol	185	20.0	ug/L	200.0		93	30-130	0.8	20	
4-Bromophenyl-phenylether	92.0	10.0	ug/L	100.0		92	40-140	9	20	
4-Chloroaniline	79.3	20.0	ug/L	100.0		79	40-140	1	20	
4-Nitrophenol	111	50.0	ug/L	100.0		111	30-130	10	20	

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Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
Acetophenone	88.2	10.0	ug/L	100.0		88	40-140	0.3	20	
Aniline	81.3	10.0	ug/L	100.0		81	40-140	0.6	20	
Azobenzene	85.7	20.0	ug/L	100.0		86	40-140	7	20	
bis(2-Chloroethoxy)methane	82.8	10.0	ug/L	100.0		83	40-140	3	20	
bis(2-Chloroethyl)ether	89.9	10.0	ug/L	100.0		90	40-140	4	20	
bis(2-chloroisopropyl)Ether	81.2	10.0	ug/L	100.0		81	40-140	4	20	
bis(2-Ethylhexyl)phthalate	88.3	6.0	ug/L	100.0		88	40-140	7	20	
Butylbenzylphthalate	85.3	10.0	ug/L	100.0		85	40-140	7	20	
Dibenzofuran	83.7	10.0	ug/L	100.0		84	40-140	4	20	
Diethylphthalate	97.7	10.0	ug/L	100.0		98	40-140	6	20	
Dimethylphthalate	97.0	10.0	ug/L	100.0		97	40-140	4	20	
Di-n-butylphthalate	97.1	10.0	ug/L	100.0		97	40-140	5	20	
Di-n-octylphthalate	86.1	10.0	ug/L	100.0		86	40-140	9	20	
Hexachlorobutadiene	75.9	10.0	ug/L	100.0		76	40-140	2	20	
Hexachloroethane	79.4	5.0	ug/L	100.0		79	40-140	5	20	
Isophorone	74.8	10.0	ug/L	100.0		75	40-140	1	20	
Nitrobenzene	81.9	10.0	ug/L	100.0		82	40-140	0.9	20	
N-Nitrosodimethylamine	78.4	10.0	ug/L	100.0		78	40-140	3	20	
Phenol	86.2	10.0	ug/L	100.0		86	30-130	1	20	
Surrogate: 1,2-Dichlorobenzene-d4	*78.9*		ug/L	*100.0*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*137*		ug/L	*150.0*		*91*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*124*		ug/L	*150.0*		*82*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.4*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: 2-Fluorophenol	*107*		ug/L	*150.0*		*72*	*15-110*			
Surrogate: Nitrobenzene-d5	*84.4*		ug/L	*100.0*		*84*	*30-130*			
Surrogate: Phenol-d6	*138*		ug/L	*150.0*		*92*	*15-110*			
Surrogate: p-Terphenyl-d14	*80.9*		ug/L	*100.0*		*81*	*30-130*			
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							

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Client Name: Green Environmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
Surrogate: 1,2-Dichlorobenzene-d4	*78.5*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*90.9*		ug/L	*150.0*		*61*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*71.1*		ug/L	*100.0*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*110*		ug/L	*100.0*		*110*	*30-130*			
Surrogate: p-Terphenyl-d14	*83.9*		ug/L	*100.0*		*84*	*30-130*			
LCS										
2-Methylnaphthalene	82.8	4.00	ug/L	100.0		83	40-140			
Acenaphthene	80.9	4.00	ug/L	100.0		81	40-140			
Acenaphthylene	78.2	4.00	ug/L	100.0		78	40-140			
Anthracene	81.5	4.00	ug/L	100.0		81	40-140			
Benzo(a)anthracene	83.2	1.00	ug/L	100.0		83	40-140			
Benzo(a)pyrene	85.0	1.00	ug/L	100.0		85	40-140			
Benzo(b)fluoranthene	98.5	1.00	ug/L	100.0		98	40-140			
Benzo(g,h,i)perylene	88.3	4.00	ug/L	100.0		88	40-140			
Benzo(k)fluoranthene	84.1	1.00	ug/L	100.0		84	40-140			
Chrysene	81.3	1.00	ug/L	100.0		81	40-140			
Dibenzo(a,h)Anthracene	98.3	1.00	ug/L	100.0		98	40-140			
Fluoranthene	87.8	4.00	ug/L	100.0		88	40-140			
Fluorene	85.9	4.00	ug/L	100.0		86	40-140			
Hexachlorobenzene	90.2	4.00	ug/L	100.0		90	40-140			
Indeno(1,2,3-cd)Pyrene	97.3	1.00	ug/L	100.0		97	40-140			
Naphthalene	77.9	4.00	ug/L	100.0		78	40-140			
Pentachlorophenol	67.3	18.0	ug/L	100.0		67	30-130			
Phenanthrene	86.6	4.00	ug/L	100.0		87	40-140			
Pyrene	88.0	4.00	ug/L	100.0		88	40-140			
LCS Dup										
2-Methylnaphthalene	82.0	4.00	ug/L	100.0		82	40-140	1	20	
Acenaphthene	80.8	4.00	ug/L	100.0		81	40-140	0.2	20	
Acenaphthylene	78.7	4.00	ug/L	100.0		79	40-140	0.6	20	
Anthracene	81.9	4.00	ug/L	100.0		82	40-140	0.5	20	
Benzo(a)anthracene	79.5	1.00	ug/L	100.0		79	40-140	5	20	
Benzo(a)pyrene	80.3	1.00	ug/L	100.0		80	40-140	6	20	
Benzo(b)fluoranthene	88.5	1.00	ug/L	100.0		88	40-140	11	20	
Benzo(g,h,i)perylene	80.5	4.00	ug/L	100.0		80	40-140	9	20	
Benzo(k)fluoranthene	84.5	1.00	ug/L	100.0		84	40-140	0.4	20	
Chrysene	79.8	1.00	ug/L	100.0		80	40-140	2	20	
Dibenzo(a,h)Anthracene	89.3	1.00	ug/L	100.0		89	40-140	10	20	
Fluoranthene	87.1	4.00	ug/L	100.0		87	40-140	0.8	20	
Fluorene	85.3	4.00	ug/L	100.0		85	40-140	0.7	20	
Hexachlorobenzene	89.3	4.00	ug/L	100.0		89	40-140	1	20	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF90512 - 3520C										
Indeno(1,2,3-cd)Pyrene	91.0	1.00	ug/L	100.0		91	40-140	7	20	
Naphthalene	77.9	4.00	ug/L	100.0		78	40-140	0.02	20	
Pentachlorophenol	65.4	18.0	ug/L	100.0		65	30-130	3	20	
Phenanthrene	87.2	4.00	ug/L	100.0		87	40-140	0.6	20	
Pyrene	83.6	4.00	ug/L	100.0		84	40-140	5	20	
Batch CF91228 - 3520C										
Blank										
2-Methylnaphthalene	ND	0.20	ug/L							
Acenaphthene	ND	0.20	ug/L							
Acenaphthylene	ND	0.20	ug/L							
Anthracene	ND	0.20	ug/L							
Benzo(a)anthracene	ND	0.05	ug/L							
Benzo(a)pyrene	ND	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.05	ug/L							
Benzo(g,h,i)perylene	ND	0.20	ug/L							
Benzo(k)fluoranthene	ND	0.05	ug/L							
Chrysene	ND	0.05	ug/L							
Dibenzo(a,h)Anthracene	ND	0.05	ug/L							
Fluoranthene	ND	0.20	ug/L							
Fluorene	ND	0.20	ug/L							
Hexachlorobenzene	ND	0.20	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	0.05	ug/L							
Naphthalene	ND	0.20	ug/L							
Pentachlorophenol	ND	0.90	ug/L							
Phenanthrene	ND	0.20	ug/L							
Pyrene	ND	0.20	ug/L							
LCS										
2-Methylnaphthalene	79.4	4.00	ug/L	100.0		79	40-140			
Acenaphthene	76.8	4.00	ug/L	100.0		77	40-140			
Acenaphthylene	71.7	4.00	ug/L	100.0		72	40-140			
Anthracene	77.4	4.00	ug/L	100.0		77	40-140			
Benzo(a)anthracene	77.0	1.00	ug/L	100.0		77	40-140			
Benzo(a)pyrene	78.1	1.00	ug/L	100.0		78	40-140			
Benzo(b)fluoranthene	90.6	1.00	ug/L	100.0		91	40-140			
Benzo(g,h,i)perylene	80.3	4.00	ug/L	100.0		80	40-140			
Benzo(k)fluoranthene	78.2	1.00	ug/L	100.0		78	40-140			
Chrysene	77.1	1.00	ug/L	100.0		77	40-140			
Dibenzo(a,h)Anthracene	85.4	1.00	ug/L	100.0		85	40-140			
Fluoranthene	81.8	4.00	ug/L	100.0		82	40-140			
Fluorene	82.2	4.00	ug/L	100.0		82	40-140			
Hexachlorobenzene	90.0	4.00	ug/L	100.0		90	40-140			
Indeno(1,2,3-cd)Pyrene	81.9	1.00	ug/L	100.0		82	40-140			
Naphthalene	72.9	4.00	ug/L	100.0		73	40-140			
Pentachlorophenol	63.1	18.0	ug/L	100.0		63	30-130			
Phenanthrene	79.6	4.00	ug/L	100.0		80	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D(SIM) Semi-Volatile Organic Compounds										
Batch CF91228 - 3520C										
Pyrene	84.1	4.00	ug/L	100.0		84	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*75.9*		ug/L	*100.0*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*118*		ug/L	*150.0*		*79*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*77.8*		ug/L	*100.0*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*82.4*		ug/L	*100.0*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*92.8*		ug/L	*100.0*		*93*	*30-130*			
LCS Dup										
2-Methylnaphthalene	83.2	4.00	ug/L	100.0		83	40-140	5	20	
Acenaphthene	80.1	4.00	ug/L	100.0		80	40-140	4	20	
Acenaphthylene	74.6	4.00	ug/L	100.0		75	40-140	4	20	
Anthracene	80.0	4.00	ug/L	100.0		80	40-140	3	20	
Benzo(a)anthracene	79.5	1.00	ug/L	100.0		79	40-140	3	20	
Benzo(a)pyrene	82.4	1.00	ug/L	100.0		82	40-140	5	20	
Benzo(b)fluoranthene	94.1	1.00	ug/L	100.0		94	40-140	4	20	
Benzo(g,h,i)perylene	80.0	4.00	ug/L	100.0		80	40-140	0.4	20	
Benzo(k)fluoranthene	86.3	1.00	ug/L	100.0		86	40-140	10	20	
Chrysene	79.2	1.00	ug/L	100.0		79	40-140	3	20	
Dibenzo(a,h)Anthracene	89.8	1.00	ug/L	100.0		90	40-140	5	20	
Fluoranthene	85.7	4.00	ug/L	100.0		86	40-140	5	20	
Fluorene	85.8	4.00	ug/L	100.0		86	40-140	4	20	
Hexachlorobenzene	92.9	4.00	ug/L	100.0		93	40-140	3	20	
Indeno(1,2,3-cd)Pyrene	86.2	1.00	ug/L	100.0		86	40-140	5	20	
Naphthalene	77.0	4.00	ug/L	100.0		77	40-140	6	20	
Pentachlorophenol	67.1	18.0	ug/L	100.0		67	30-130	6	20	
Phenanthrene	83.5	4.00	ug/L	100.0		83	40-140	5	20	
Pyrene	85.6	4.00	ug/L	100.0		86	40-140	2	20	
Surrogate: 1,2-Dichlorobenzene-d4	*79.7*		ug/L	*100.0*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*119*		ug/L	*150.0*		*80*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*81.4*		ug/L	*100.0*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*85.6*		ug/L	*100.0*		*86*	*30-130*			
Surrogate: p-Terphenyl-d14	*94.6*		ug/L	*100.0*		*95*	*30-130*			
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
Blank										
C19-C36 Aliphatics1	ND	100	ug/L							
C9-C18 Aliphatics1	ND	100	ug/L							
Decane (C10)	ND	5	ug/L							
Docosane (C22)	ND	5	ug/L							
Dodecane (C12)	ND	5	ug/L							
Eicosane (C20)	ND	5	ug/L							
Hexacosane (C26)	ND	5	ug/L							
Hexadecane (C16)	ND	5	ug/L							
Hexatriacontane (C36)	ND	5	ug/L							
Nonadecane (C19)	ND	5	ug/L							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
Nonane (C9)	ND	5	ug/L							
Octacosane (C28)	ND	5	ug/L							
Octadecane (C18)	ND	5	ug/L							
Tetracosane (C24)	ND	5	ug/L							
Tetradecane (C14)	ND	5	ug/L							
Triacontane (C30)	ND	5	ug/L							
Surrogate: 1-Chlorooctadecane	*41.1*		ug/L	*50.50*		*81*	*40-140*			
Blank										
2-Methylnaphthalene	ND	5.0	ug/L							
Acenaphthene	ND	5.0	ug/L							
Acenaphthylene	ND	5.0	ug/L							
Anthracene	ND	5.0	ug/L							
Benzo(a)anthracene	ND	5.0	ug/L							
Benzo(a)pyrene	ND	10.0	ug/L							
Benzo(b)fluoranthene	ND	5.0	ug/L							
Benzo(g,h,i)perylene	ND	10.0	ug/L							
Benzo(k)fluoranthene	ND	10.0	ug/L							
C11-C22 Unadjusted Aromatics1	ND	100	ug/L							
Chrysene	ND	10.0	ug/L							
Dibenzo(a,h)Anthracene	ND	5.0	ug/L							
Fluoranthene	ND	10.0	ug/L							
Fluorene	ND	5.0	ug/L							
Indeno(1,2,3-cd)Pyrene	ND	5.0	ug/L							
Naphthalene	ND	10.0	ug/L							
Phenanthrene	ND	5.0	ug/L							
Pyrene	ND	5.0	ug/L							
Surrogate: 2-Bromonaphthalene	*46.7*		mg/L	*50.00*		*93*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*42.1*		mg/L	*50.00*		*84*	*40-140*			
Surrogate: O-Terphenyl	*37.1*		ug/L	*50.20*		*74*	*40-140*			
LCS										
C19-C36 Aliphatics1	382	100	ug/L	400.0		96	40-140			
C9-C18 Aliphatics1	215	100	ug/L	300.0		72	40-140			
Decane (C10)	25	5	ug/L	50.00		50	40-140			
Docosane (C22)	46	5	ug/L	50.00		91	40-140			
Dodecane (C12)	31	5	ug/L	50.00		62	40-140			
Eicosane (C20)	45	5	ug/L	50.00		90	40-140			
Hexacosane (C26)	45	5	ug/L	50.00		90	40-140			
Hexadecane (C16)	44	5	ug/L	50.00		89	40-140			
Hexatriacontane (C36)	54	5	ug/L	50.00		109	40-140			
Nonadecane (C19)	45	5	ug/L	50.00		90	40-140			
Nonane (C9)	19	5	ug/L	50.00		38	30-140			
Octacosane (C28)	45	5	ug/L	50.00		90	40-140			
Octadecane (C18)	45	5	ug/L	50.00		89	40-140			
Tetracosane (C24)	46	5	ug/L	50.00		91	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
Tetradecane (C14)	39	5	ug/L	50.00		77	40-140			
Triacontane (C30)	45	5	ug/L	50.00		90	40-140			
Surrogate: 1-Chlorooctadecane	*44.5*		ug/L	*50.50*		*88*	*40-140*			
LCS										
2-Methylnaphthalene	37.6	5.0	ug/L	50.00		75	40-140			
Acenaphthene	38.0	5.0	ug/L	50.00		76	40-140			
Acenaphthylene	39.1	5.0	ug/L	50.00		78	40-140			
Anthracene	41.5	5.0	ug/L	50.00		83	40-140			
Benzo(a)anthracene	38.4	5.0	ug/L	50.00		77	40-140			
Benzo(a)pyrene	40.3	10.0	ug/L	50.00		81	40-140			
Benzo(b)fluoranthene	37.1	5.0	ug/L	50.00		74	40-140			
Benzo(g,h,i)perylene	39.0	10.0	ug/L	50.00		78	40-140			
Benzo(k)fluoranthene	41.2	10.0	ug/L	50.00		82	40-140			
C11-C22 Unadjusted Aromatics1	788	100	ug/L	850.0		93	40-140			
Chrysene	40.8	10.0	ug/L	50.00		82	40-140			
Dibenzo(a,h)Anthracene	39.2	5.0	ug/L	50.00		78	40-140			
Fluoranthene	40.4	10.0	ug/L	50.00		81	40-140			
Fluorene	37.8	5.0	ug/L	50.00		76	40-140			
Indeno(1,2,3-cd)Pyrene	38.1	5.0	ug/L	50.00		76	40-140			
Naphthalene	35.4	10.0	ug/L	50.00		71	40-140			
Phenanthrene	40.5	5.0	ug/L	50.00		81	40-140			
Pyrene	41.8	5.0	ug/L	50.00		84	40-140			
Surrogate: 2-Bromonaphthalene	*37.2*		mg/L	*50.00*		*74*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*47.2*		mg/L	*50.00*		*94*	*40-140*			
Surrogate: O-Terphenyl	*40.1*		ug/L	*50.20*		*80*	*40-140*			
LCS										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
LCS Dup										
C19-C36 Aliphatics1	366	100	ug/L	400.0		92	40-140	4	25	
C9-C18 Aliphatics1	206	100	ug/L	300.0		69	40-140	5	25	
Decane (C10)	24	5	ug/L	50.00		48	40-140	6	25	
Docosane (C22)	44	5	ug/L	50.00		87	40-140	5	25	
Dodecane (C12)	29	5	ug/L	50.00		58	40-140	6	25	
Eicosane (C20)	43	5	ug/L	50.00		86	40-140	5	25	
Hexacosane (C26)	43	5	ug/L	50.00		86	40-140	5	25	
Hexadecane (C16)	42	5	ug/L	50.00		84	40-140	5	25	
Hexatriacontane (C36)	52	5	ug/L	50.00		103	40-140	5	25	
Nonadecane (C19)	43	5	ug/L	50.00		86	40-140	5	25	
Nonane (C9)	18	5	ug/L	50.00		36	30-140	5	25	
Octacosane (C28)	43	5	ug/L	50.00		86	40-140	5	25	
Octadecane (C18)	43	5	ug/L	50.00		86	40-140	4	25	
Tetracosane (C24)	43	5	ug/L	50.00		87	40-140	5	25	
Tetradecane (C14)	36	5	ug/L	50.00		73	40-140	6	25	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
MADEP-EPH Extractable Petroleum Hydrocarbons										
Batch CF90708 - 3510C										
Triacontane (C30)	43	5	ug/L	50.00		86	40-140	5	25	
Surrogate: 1-Chlorooctadecane	*40.8*		ug/L	*50.50*		*81*	*40-140*			
LCS Dup										
2-Methylnaphthalene	38.7	5.0	ug/L	50.00		77	40-140	3	20	
Acenaphthene	36.5	5.0	ug/L	50.00		73	40-140	4	20	
Acenaphthylene	35.6	5.0	ug/L	50.00		71	40-140	9	20	
Anthracene	39.2	5.0	ug/L	50.00		78	40-140	6	20	
Benzo(a)anthracene	36.2	5.0	ug/L	50.00		72	40-140	6	20	
Benzo(a)pyrene	37.6	10.0	ug/L	50.00		75	40-140	7	20	
Benzo(b)fluoranthene	34.0	5.0	ug/L	50.00		68	40-140	9	20	
Benzo(g,h,i)perylene	36.8	10.0	ug/L	50.00		74	40-140	6	20	
Benzo(k)fluoranthene	39.2	10.0	ug/L	50.00		78	40-140	5	20	
C11-C22 Unadjusted Aromatics1	748	100	ug/L	850.0		88	40-140	5	25	
Chrysene	37.4	10.0	ug/L	50.00		75	40-140	9	20	
Dibenzo(a,h)Anthracene	35.5	5.0	ug/L	50.00		71	40-140	10	20	
Fluoranthene	37.0	10.0	ug/L	50.00		74	40-140	9	20	
Fluorene	35.5	5.0	ug/L	50.00		71	40-140	6	20	
Indeno(1,2,3-cd)Pyrene	34.5	5.0	ug/L	50.00		69	40-140	10	20	
Naphthalene	32.3	10.0	ug/L	50.00		65	40-140	9	20	
Phenanthrene	37.4	5.0	ug/L	50.00		75	40-140	8	20	
Pyrene	39.1	5.0	ug/L	50.00		78	40-140	7	20	
Surrogate: 2-Bromonaphthalene	*43.0*		mg/L	*50.00*		*86*	*40-140*			
Surrogate: 2-Fluorobiphenyl	*47.3*		mg/L	*50.00*		*95*	*40-140*			
Surrogate: O-Terphenyl	*38.4*		ug/L	*50.20*		*76*	*40-140*			
LCS Dup										
2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

Notes and Definitions

Z-06	pH <= 2
U	Analyte included in the analysis, but not detected
PT	Pentachlorophenol tailing factor > 2.
H	Estimated value. Sample hold times were exceeded (H).
EL	Elevated Method Reporting Limits due to sample matrix (EL).
DDT	DDT breakdown > 20%
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
BT	Benzidine tailing factor >2.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: Green Environmental, Inc.
Client Project ID: Bliss Corner

ESS Laboratory Work Order: 19F0126

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

Shipped/Delivered Via: ESS Courier

ESS Project ID: 19F0126
Date Received: 6/5/2019
Project Due Date: 6/12/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	352741	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352742	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352743	Yes	No	Yes	VOA Vial - HCl	HCl	
01	352748	Yes	NA	Yes	1L Amber - HCl	HCl	
01	352749	Yes	NA	Yes	1L Amber - HCl	HCl	
01	352758	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352759	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352760	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352761	Yes	NA	Yes	1L Amber - Unpres	NP	
01	352764	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
02	352738	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352739	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352740	Yes	No	Yes	VOA Vial - HCl	HCl	
02	352746	Yes	NA	Yes	1L Amber - HCl	HCl	
02	352747	Yes	NA	Yes	1L Amber - HCl	HCl	
02	352754	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352755	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352756	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352757	Yes	NA	Yes	1L Amber - Unpres	NP	
02	352763	Yes	NA	Yes	250 mL Poly - HNO3	HNO3	
03	352735	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352736	Yes	No	Yes	VOA Vial - HCl	HCl	
03	352737	Yes	No	Yes	VOA Vial - HCl	HCl	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Green Environmental, Inc. - TB/HDM

ESS Project ID: 19F0126

Date Received: 6/5/2019

03	352744	Yes	NA	Yes	1L Amber - HCl	HCl
03	352745	Yes	NA	Yes	1L Amber - HCl	HCl
03	352750	Yes	NA	Yes	1L Amber - Unpres	NP
03	352751	Yes	NA	Yes	1L Amber - Unpres	NP
03	352752	Yes	NA	Yes	1L Amber - Unpres	NP
03	352753	Yes	NA	Yes	1L Amber - Unpres	NP
03	352762	Yes	NA	Yes	250 mL Poly - HNO3	HNO3

2nd Review

Were all containers scanned into storage/lab? Initials

Are barcode labels on correct containers? Yes / No

Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 6/5/19 2255

Reviewed By: Date & Time: 6/5/19 2319

Delivered By: 6/5/19 2319

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19F0126

Turn Time	5	Days
Regulatory State	Massachusetts	
Reporting Limits	RCGW-1	

Is this project for any of the following?: ○ CT RCP ◉ MA MCP ○ RGP

Electonic Deliverables: ☑ Data Checker ☐ Excel ☒ Other (Please Specify →) ☒ PDF

Company Name	Project #	Project Name
Green Environmental, Inc.	19137	Bliss Corner

Contact Person	Address
Parrish Smolcha	296C Weymouth Street

City	State	Zip Code	PO #
Rockland	MA	02370	8554

Telephone Number	FAX Number	Email Address
617-479-0550	617-479-5150	psmolcha@greenenvironmental.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOC	PCB	14 MA Metals - dissolved	EPH carbon chains
1	6/4/19	8:40	Grab	Aqueous	MW19	X	X	X	X	X
2	6/4/19	10:20	Grab	Aqueous	MW17	X	X	X	X	X
3	6/4/19	11:30	Grab	Aqueous	MW16	X	X	X	X	X

Analysis

Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial	V	AG	AG	P	AG
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*	7	6	6	3	6
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*	2	1	1	4	2
	Number of Containers per Sample:	3	2	2	1	2

Laboratory Use Only

Cooler Present: ✓ ○ Drop Off
Seals Intact: ⊘ Pickup
Cooler Temperature: 1.1 + 1.3 °C ICE RC

Sampled by : P. Smolcha & A. Lucci

Comments: Please specify "Other" preservative and containers types in this space

metals samples filtered in the field

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
6/5/19 14:05	6/5/19 1405	6/5/19 1815	6/5/19 2045
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 19F0022

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 19F0078

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Laurel Stoddard
Laboratory Director

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

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CERTIFICATE OF ANALYSIS

Parrish Smolcha
Green Environmental, Inc.
296 Weymouth Street Unit C
Rockland, MA 02370

RE: Bliss Corner (19137)
ESS Laboratory Work Order Number: 19F0126

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Laurel Stoddard
Laboratory Director

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

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