

TECHNICAL MEMORANDUM

To: Steve Clough – Nevada Environmental Response Trust

From: Jesse Bunkers and Chris Hayes, Tetra Tech

Date: March 31, 2022

Subject: Excavation and Sample Summary Associated with Leak at Interceptor Well Field Extraction Well I-S

At the direction of the Nevada Environmental Response Trust (NERT or Trust), Tetra Tech, Inc. (Tetra Tech) has prepared this technical memorandum to summarize the excavation, sampling, and disposal activities associated with a groundwater leak in the Interceptor Well Field (IWF) and provide recommendations for future remediation. The leak was discovered on October 25, 2021 and occurred from IWF extraction well I-S. It was estimated that 3 to 5 gallons of groundwater was released. The location of IWF extraction well I-S is shown in **Figure 1**.

WORK PERFORMED

Tetra Tech performed oversight of the excavation of impacted soils on October 27, 2021. The excavation was performed by ETI personnel using hand tools. The excavation was limited by an extraction structure to the east and asphalt pavement to the west. Extraction pipes and electrical cables were encountered approximately 32 inches below ground surface (bgs). The final excavation measured 42 by 28 inches wide and 32 inches deep. Based on visual observation, the northwest corner of the excavation was extended to include a 42-inch deep excavation (cylindrical in shape) with an approximate 12-inch diameter. Tetra Tech observed a decrease in soil moisture at 42 inches bgs. A hand auger was advanced to 51 inches bgs at the deepest part of the excavation (northwest corner) and revealed dry soil. The total volume of excavated soil was approximately 1.2 cubic yards.

Two samples were collected and shipped to Eurofins TestAmerica in Phoenix, Arizona: 1) a grab sample from the excavation floor, and 2) a four-point composite sample from the excavated soil for waste disposal purposes. The grab sample was collected on October 27, 2021 and analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by Method 8260B
- Semi Volatile Organic Compounds (SVOCs) by Method 8270C
- Resource Conservation and Recovery Act (RCRA) 8 Metals by Method 6010B
- Perchlorate by Method 314.0
- Mercury by Method 7471A
- Hexavalent Chromium by EPA Method 7199
- Percent Moisture
- Percent Solids

The four-point composite sample was collected from the excavated soil on October 28, 2021 and was analyzed for the following:

- Toxicity characteristic leachate procedure (TCLP) for VOCs and SVOCs by Methods 8260B
- TCLP SVOCs by Method 8270C
- Perchlorate by Method 314.0
- TCLP RCRA 8 Metals by Method 6010B
- TCLP Mercury by Method 7470A
- Ignitability by Method 1030

LABORATORY RESULTS

This section provides a summary of detections for the two samples. The laboratory reports are provided as **Attachment 1**.

VOCs and SVOCs

Table 1 provides VOCs and SVOCs that were reported above detection limits for the two samples. None of the results exceeded the soil screening levels specified in the Site Management Plan (SMP).

Table 1 VOC and SVOC Detections

Sample Name	Sample Type	Laboratory Results (Detections Only)	SMP Standard
ETI-1-U-20211027	Grab	Iodomethane: 0.120 mg/kg 4-Isopropyltoluene: 0.021 mg/kg	NS 647 mg/kg
ETI-1-U-20211028	Composite	2-Methylphenol: 0.023 mg/L*	NS

Notes:
mg/kg – milligrams per kilogram
mg/L – milligrams per liter
NS – Not Specified
* - TCLP

Metals

Table 2 provides RCRA 8 metals that were reported above detection limits for the two samples. None of the results exceeded the soil screening levels specified in the SMP.

Table 2 RCRA 8 Metal Detections

Sample Name	Sample Type	Laboratory Results (Detections Only)	SMP Standard
ETI-1-U-20211027	Grab	Arsenic: 4.4 mg/kg Barium: 160 mg/kg Chromium: 16 mg/kg Lead: 13 mg/kg	7.2 mg/kg 100,000 mg/kg 100,000 mg/kg NS
ETI-1-U-20211028	Composite	Barium: 0.60 mg/L*	100 mg/L

Notes:
mg/kg – milligrams per kilogram
mg/L – milligrams per liter
NS – Not Specified
* - TCLP

Perchlorate

Table 3 provides a summary of the perchlorate concentrations for the two soil samples. None of the results exceeded the soil screening level specified in the SMP.

Table 3 Perchlorate Detections

Sample Name	Sample Type	Laboratory Results (Detections Only)	SMP Standard
ETI-1-U-20211027	Grab	30 ⁽¹⁾ mg/kg	908 mg/kg
ETI-1-U-20211028	Composite	35 mg/kg	

Notes:
mg/kg – milligrams per kilogram
(1) Sample was collected on October 27, 2021 and analyzed on February 19, 2022, which was beyond the specified hold time for perchlorate analysis.

Other Parameters

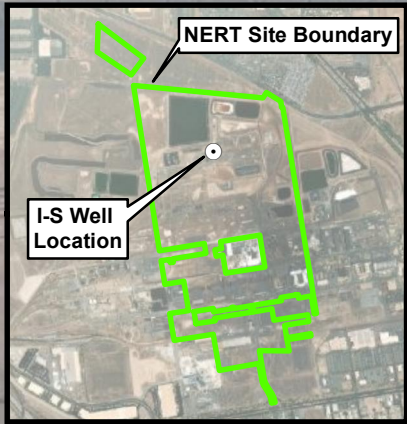
Mercury and hexavalent chromium were not detected in the grab sample collected from the excavation floor on October 27, 2021. The laboratory results also reported that the sample was 90.5 percent solids and had a percent moisture of 9.5 percent. Mercury was not detected in the composite sample. Lastly, the composite sample was determined to be “Not Ignitable” by laboratory analysis.

WASTE DISPOSAL

A waste profile was developed by ETI based on the results of the composite sample collected from the excavated soils. Based on the composite sample results, it was determined that the soil was nonhazardous. Hazardous constituents or characteristics were below all thresholds for classification as hazardous waste. The soil was disposed of at the Republic Services Apex Landfill in Clark County, Nevada. The waste profile and manifest are provided as **Attachment 2**.

Figures

DOCUMENT PATH: D:\NERT\MXDFIGURE1_I-S WELLS IW\F\MXD



Notes:
1. Imagery Source: Esri World Map, October 2019.

Legend	
	Extraction Well Location
	Monitoring Well Location

TETRA TECH

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NEVADA ENVIRONMENTAL RESPONSE TRUST

EXCAVATION AND SAMPLE SUMMARY ASSOCIATED WITH LEAK AT INTERCEPTOR WELL
FIELD EXTRACTION WELL I-S

INTERCEPTOR WELL FIELD EXTRACTION WELL I-S LOCATION

PROJECT NO.:	117-7502022
DATE:	MARCH 30, 2022
DESIGNED BY:	AAM
Figure No.	1

Attachment 1 Laboratory Results

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-173320-1
Laboratory Sample Delivery Group: NERT
Client Project/Site: NERT

For:
Envirogen Technologies Inc
250 Phillips Blvd
Suite 255
Ewing, New Jersey 08618

Attn: Wendy Prescott



Authorized for release by:
11/11/2021 2:52:09 PM

Rachel Sester, Project Manager I
(602)659-7615
Rachel.Sester@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
B1	Target analyte detected in method blank at or above the method reporting limit.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
♠	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Definitions/Glossary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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Case Narrative

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Job ID: 550-173320-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative 550-173320-1

Comments

No additional comments.

Receipt

The sample was received on 10/29/2021 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch Bromomethane and Trichlorofluoromethane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) associated with preparation batch 550-257422 and 550-257422 and analytical batch 550-257433 was outside acceptance criteria, low for sec-Butylbenzene and 4-Isopropyltoluene. The laboratory control sample duplicate (LCSD), batch matrix spike/matrix spike duplicate (MS/MSD) were within acceptance limits and may be used to evaluate matrix performance. The LCS and samples will be reported with flag.

Method 8260B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: ETI-1-U-20211027 (550-173320-1).

Method 8260B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: ETI-1-U-20211027 (550-173320-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270C: The laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with preparation batch 550-257472 and analytical batch 550-257982 was outside acceptance criteria for 2,4-Dimethylphenol. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 550-257472 and analytical batch 550-257982 were outside control limits for 2,4-Dinitrophenol. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

Case Narrative

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Job ID: 550-173320-1 (Continued)

Laboratory: Eurofins TestAmerica, Phoenix (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Sample Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-173320-1	ETI-1-U-20211027	Solid	10/27/21 11:30	10/29/21 10:00

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Detection Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodomethane	120	H E4	300	38	ug/Kg	1	✳	8260B	Total/NA
4-Isopropyltoluene	21	*- H E4	120	17	ug/Kg	1	✳	8260B	Total/NA
Arsenic	4.4		2.7	0.28	mg/Kg	1	✳	6010B	Total/NA
Barium	160	B1 F1	5.4	0.056	mg/Kg	1	✳	6010B	Total/NA
Chromium	16		0.27	0.17	mg/Kg	1	✳	6010B	Total/NA
Lead	13	F2	0.54	0.16	mg/Kg	1	✳	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	H	300	13	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,1,1-Trichloroethane	ND	H	120	12	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,1,2,2-Tetrachloroethane	ND	H	120	21	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,1,2-Trichloroethane	ND	H	120	15	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,1-Dichloroethane	ND	H	120	14	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,1-Dichloroethene	ND	H	300	29	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,1-Dichloropropene	ND	H	120	14	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2,3-Trichlorobenzene	ND	H	300	160	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2,3-Trichloropropane	ND	H	120	23	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2,4-Trichlorobenzene	ND	H	300	62	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2,4-Trimethylbenzene	ND	H	120	39	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2-Dibromo-3-Chloropropane	ND	H	300	190	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Ethylene Dibromide	ND	H	30	12	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2-Dichlorobenzene	ND	H	120	16	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2-Dichloroethane	ND	H	120	18	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,2-Dichloropropane	ND	H	120	17	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,3,5-Trimethylbenzene	ND	H	120	22	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,3-Dichlorobenzene	ND	H	120	16	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,3-Dichloropropane	ND	H	120	14	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
1,4-Dichlorobenzene	ND	H	120	15	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
2,2-Dichloropropane	ND	H	120	25	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
2-Butanone (MEK)	ND	H	1200	630	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
2-Chlorotoluene	ND	H	300	14	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
2-Hexanone	ND	H	610	170	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
4-Chlorotoluene	ND	H	300	26	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
4-Methyl-2-pentanone (MIBK)	ND	H	610	140	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Acetone	ND	H	1200	760	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Benzene	ND	H	61	16	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Bromobenzene	ND	H	300	17	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Chlorobromomethane	ND	H	300	18	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Dichlorobromomethane	ND	H	120	14	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Bromoform	ND	H	300	17	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Bromomethane	ND	H	610	250	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Carbon disulfide	ND	H	300	32	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Carbon tetrachloride	ND	H	300	11	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Chlorobenzene	ND	H	61	15	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Chloroethane	ND	H	300	39	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Chloroform	ND	H	120	13	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Chloromethane	ND	H	300	30	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
cis-1,2-Dichloroethene	ND	H	120	23	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
cis-1,3-Dichloropropene	ND	H	120	12	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Chlorodibromomethane	ND	H	120	14	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Dibromomethane	ND	H	120	17	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Dichlorodifluoromethane	ND	H	300	25	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Ethylbenzene	ND	H	120	17	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Hexachlorobutadiene	ND	H	300	28	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Iodomethane	120	H E4	300	38	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Isopropylbenzene	ND	H	120	19	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
m-Xylene & p-Xylene	ND	H	180	36	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1

Client Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	H	61	29	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Methylene Chloride	ND	H	610	180	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Naphthalene	ND	H	300	120	ug/Kg	☼	10/29/21 14:00	11/02/21 13:33	1
n-Butylbenzene	ND	H	300	19	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
N-Propylbenzene	ND	H	120	22	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
o-Xylene	ND	H	180	22	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
4-Isopropyltoluene	21	*- H E4	120	17	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
sec-Butylbenzene	ND	*- H	300	19	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Styrene	ND	H	120	19	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
tert-Butylbenzene	ND	H	300	18	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Tetrachloroethene	ND	H	120	15	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Toluene	ND	H	120	39	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
trans-1,2-Dichloroethene	ND	H	120	26	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
trans-1,3-Dichloropropene	ND	H	120	12	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Trichloroethene	ND	H	120	16	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Trichlorofluoromethane	ND	H	300	34	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Vinyl acetate	ND	H	1500	190	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Vinyl chloride	ND	H	61	25	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1
Xylenes, Total	ND	H	360	59	ug/Kg	☼	10/29/21 14:00	11/01/21 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		27 - 150	10/29/21 14:00	11/01/21 20:51	1
Dibromofluoromethane (Surr)	111		27 - 150	10/29/21 14:00	11/02/21 13:33	1
Toluene-d8 (Surr)	103		28 - 150	10/29/21 14:00	11/01/21 20:51	1
Toluene-d8 (Surr)	99		28 - 150	10/29/21 14:00	11/02/21 13:33	1
4-Bromofluorobenzene (Surr)	87		26 - 150	10/29/21 14:00	11/01/21 20:51	1
4-Bromofluorobenzene (Surr)	92		26 - 150	10/29/21 14:00	11/02/21 13:33	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
1,2-Dichlorobenzene	ND		2.2	0.33	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
1,2-Diphenylhydrazine(as Azobenzene)	ND		1.1	0.64	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
1,3-Dichlorobenzene	ND		1.1	0.62	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
1,4-Dichlorobenzene	ND		1.1	0.61	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,4,5-Trichlorophenol	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,4,6-Trichlorophenol	ND		1.1	0.43	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,4-Dichlorophenol	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,4-Dimethylphenol	ND	*-	1.1	0.33	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,4-Dinitrophenol	ND	F1	11	3.0	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,4-Dinitrotoluene	ND		1.1	0.39	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2,6-Dinitrotoluene	ND		1.1	0.39	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2-Chloronaphthalene	ND		1.1	0.38	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2-Chlorophenol	ND		1.1	0.59	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2-Methylnaphthalene	ND		2.2	0.30	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2-Methylphenol	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2-Nitroaniline	ND		1.1	0.32	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
2-Nitrophenol	ND		1.1	0.81	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
3 & 4 Methylphenol	ND		2.2	0.32	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Percent Solids: 90.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		1.1	0.30	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
3-Nitroaniline	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4,6-Dinitro-2-methylphenol	ND		11	2.3	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4-Bromophenyl phenyl ether	ND		1.1	0.39	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4-Chloro-3-methylphenol	ND		1.1	0.32	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4-Chloroaniline	ND		2.2	0.22	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4-Chlorophenyl phenyl ether	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4-Nitroaniline	ND		1.1	0.36	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
4-Nitrophenol	ND		2.2	1.6	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Acenaphthene	ND		1.1	0.33	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Acenaphthylene	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Anthracene	ND		1.1	0.36	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzo[a]anthracene	ND		1.1	0.37	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzo[a]pyrene	ND		1.1	0.38	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzo[b]fluoranthene	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzo[g,h,i]perylene	ND		1.1	0.37	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzo[k]fluoranthene	ND		1.1	0.39	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzoic acid	ND		4.3	1.2	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Benzyl alcohol	ND		1.1	0.33	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Bis(2-chloroethoxy)methane	ND		1.1	0.31	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Bis(2-chloroethyl)ether	ND		1.1	0.37	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
bis (2-chloroisopropyl) ether	ND		1.1	0.33	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Bis(2-ethylhexyl) phthalate	ND		1.1	0.39	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Butyl benzyl phthalate	ND		1.1	0.36	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Chrysene	ND		1.1	0.38	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Dibenz(a,h)anthracene	ND		1.1	1.0	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Dibenzofuran	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Diethyl phthalate	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Dimethyl phthalate	ND		1.1	0.33	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Di-n-butyl phthalate	ND		1.1	0.37	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Di-n-octyl phthalate	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Fluoranthene	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Fluorene	ND		1.1	0.36	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Hexachlorobenzene	ND		1.1	0.32	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Hexachlorobutadiene	ND		1.1	0.44	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Hexachlorocyclopentadiene	ND		2.2	0.61	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Hexachloroethane	ND		2.2	0.59	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Indeno[1,2,3-cd]pyrene	ND		1.1	0.45	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Isophorone	ND		1.1	0.38	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Naphthalene	ND		2.2	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Nitrobenzene	ND		1.1	0.37	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
N-Nitrosodi-n-propylamine	ND		2.2	0.31	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
N-Nitrosodiphenylamine	ND		1.1	0.35	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Pentachlorophenol	ND		4.3	2.1	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Phenanthrene	ND		1.1	0.34	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Phenol	ND		2.2	0.69	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Pyrene	ND		1.1	0.38	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4
Pyridine	ND		2.2	1.1	mg/Kg	☼	11/01/21 18:51	11/08/21 21:43	4

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	76		10 - 118	11/01/21 18:51	11/08/21 21:43	4
Nitrobenzene-d5 (Surr)	69		14 - 101	11/01/21 18:51	11/08/21 21:43	4
2-Fluorobiphenyl (Surr)	78		18 - 100	11/01/21 18:51	11/08/21 21:43	4
2,4,6-Tribromophenol (Surr)	80		10 - 113	11/01/21 18:51	11/08/21 21:43	4
p-Terphenyl-d14 (Surr)	78		27 - 124	11/01/21 18:51	11/08/21 21:43	4
Phenol-d5 (Surr)	81		16 - 109	11/01/21 18:51	11/08/21 21:43	4

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.33	0.17	mg/Kg	✱	11/05/21 13:59	11/08/21 06:14	3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		2.7	0.28	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1
Barium	160	B1 F1	5.4	0.056	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1
Cadmium	ND		0.11	0.046	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1
Chromium	16		0.27	0.17	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1
Lead	13	F2	0.54	0.16	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1
Selenium	ND		0.54	0.27	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1
Silver	ND		0.43	0.014	mg/Kg	✱	11/01/21 08:00	11/01/21 16:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.090	0.090	mg/Kg		10/29/21 16:15	10/29/21 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.5		0.1	0.1	%			11/01/21 12:07	1
Percent Solids	90.5		0.1	0.1	%			11/01/21 12:07	1

Surrogate Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBFM	TOL	BFB
		(27-150)	(28-150)	(26-150)
550-173320-1	ETI-1-U-20211027	119	103	87
550-173320-1	ETI-1-U-20211027	111	99	92
550-173327-E-3-C MS	Matrix Spike	87	73	68
550-173327-E-3-D MSD	Matrix Spike Duplicate	95	80	69
LCS 550-257422/2-A	Lab Control Sample	98	84	82
LCS 550-257422/3-A	Lab Control Sample Dup	104	85	80
MB 550-257422/1-A	Method Blank	103	89	79

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2FP	NBZ	FBP	TBP	TPHd14	PHL
		(10-118)	(14-101)	(18-100)	(10-113)	(27-124)	(16-109)
550-173320-1 - DL	ETI-1-U-20211027	76	69	78	80	78	81
550-173320-1 MS - DL	ETI-1-U-20211027	71	71	79	81	75	73
550-173320-1 MSD - DL	ETI-1-U-20211027	75	67	82	88	79	74
LCS 550-257472/2-A	Lab Control Sample	71	68	82	89	91	76
LCS 550-257472/3-A	Lab Control Sample Dup	76	70	77	84	86	77
MB 550-257472/1-A	Method Blank	64	73	80	59	87	74

Surrogate Legend

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-257422/1-A
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		250	10	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,1,1-Trichloroethane	ND		99	9.6	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,1,2,2-Tetrachloroethane	ND		99	18	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,1,2-Trichloroethane	ND		99	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,1-Dichloroethane	ND		99	11	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,1-Dichloroethene	ND		250	24	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,1-Dichloropropene	ND		99	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2,3-Trichlorobenzene	ND		250	130	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2,3-Trichloropropane	ND		99	19	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2,4-Trichlorobenzene	ND		250	51	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2,4-Trimethylbenzene	ND		99	32	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2-Dibromo-3-Chloropropane	ND		250	150	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Ethylene Dibromide	ND		25	10	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2-Dichlorobenzene	ND		99	13	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2-Dichloroethane	ND		99	15	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,2-Dichloropropane	ND		99	14	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,3,5-Trimethylbenzene	ND		99	18	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,3-Dichlorobenzene	ND		99	13	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,3-Dichloropropane	ND		99	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
1,4-Dichlorobenzene	ND		99	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
2,2-Dichloropropane	ND		99	20	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
2-Butanone (MEK)	ND		990	510	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
2-Chlorotoluene	ND		250	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
2-Hexanone	ND		500	140	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
4-Chlorotoluene	ND		250	21	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		500	110	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Acetone	ND		990	620	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Benzene	ND		50	13	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Bromobenzene	ND		250	14	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Chlorobromomethane	ND		250	15	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Dichlorobromomethane	ND		99	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Bromoform	ND		250	14	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Bromomethane	ND	^+	500	200	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Carbon disulfide	ND		250	26	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Carbon tetrachloride	ND		250	8.8	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Chlorobenzene	ND		50	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Chloroethane	ND		250	32	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Chloroform	ND		99	11	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Chloromethane	ND		250	25	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
cis-1,2-Dichloroethene	ND		99	19	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
cis-1,3-Dichloropropene	ND		99	10	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Chlorodibromomethane	ND		99	11	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Dibromomethane	ND		99	14	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Dichlorodifluoromethane	ND		250	20	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Ethylbenzene	ND		99	14	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Hexachlorobutadiene	ND		250	23	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Iodomethane	ND		250	31	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Isopropylbenzene	ND		99	15	ug/Kg		10/29/21 13:45	11/01/21 17:15	1

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-257422/1-A
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257422

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
m-Xylene & p-Xylene	ND		150	30	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Methyl tert-butyl ether	ND		50	24	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Methylene Chloride	ND		500	150	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Naphthalene	ND		250	100	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
n-Butylbenzene	ND		250	16	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
N-Propylbenzene	ND		99	18	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
o-Xylene	ND		150	18	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
4-Isopropyltoluene	ND		99	14	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
sec-Butylbenzene	17.0	E4	250	16	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Styrene	ND		99	15	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
tert-Butylbenzene	ND		250	15	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Tetrachloroethene	ND		99	12	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Toluene	ND		99	32	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
trans-1,2-Dichloroethene	ND		99	21	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
trans-1,3-Dichloropropene	ND		99	9.6	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Trichloroethene	ND		99	13	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Trichlorofluoromethane	ND	^+	250	27	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Vinyl acetate	ND		1200	160	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Vinyl chloride	ND		50	21	ug/Kg		10/29/21 13:45	11/01/21 17:15	1
Xylenes, Total	ND		300	48	ug/Kg		10/29/21 13:45	11/01/21 17:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	103		27 - 150	10/29/21 13:45	11/01/21 17:15	1
Toluene-d8 (Surr)	89		28 - 150	10/29/21 13:45	11/01/21 17:15	1
4-Bromofluorobenzene (Surr)	79		26 - 150	10/29/21 13:45	11/01/21 17:15	1

Lab Sample ID: LCS 550-257422/2-A
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2500	2180		ug/Kg		87	70 - 125
1,1,2,2-Tetrachloroethane	2500	1910		ug/Kg		76	66 - 134
1,1,2-Trichloroethane	2500	2110		ug/Kg		85	74 - 124
1,1-Dichloroethane	2500	2090		ug/Kg		84	71 - 121
1,1-Dichloroethene	2500	2150		ug/Kg		86	63 - 121
1,1-Dichloropropene	2500	1890		ug/Kg		76	68 - 122
1,2,3-Trichlorobenzene	2500	2420		ug/Kg		97	72 - 166
1,2,3-Trichloropropane	2500	1930		ug/Kg		77	58 - 138
1,2,4-Trichlorobenzene	2500	2430		ug/Kg		97	70 - 163
1,2,4-Trimethylbenzene	2500	2040		ug/Kg		82	71 - 124
1,2-Dibromo-3-Chloropropane	2500	1830		ug/Kg		73	64 - 134
Ethylene Dibromide	2500	2210		ug/Kg		88	75 - 125
1,2-Dichlorobenzene	2500	2110		ug/Kg		84	78 - 134
1,2-Dichloroethane	2500	1800		ug/Kg		72	68 - 134
1,2-Dichloropropane	2500	1980		ug/Kg		79	71 - 124
1,3,5-Trimethylbenzene	2500	2030		ug/Kg		81	61 - 126

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-257422/2-A

Matrix: Solid

Analysis Batch: 257433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 257422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	2500	2070		ug/Kg		83	76 - 126
1,3-Dichloropropane	2500	2140		ug/Kg		86	72 - 123
1,4-Dichlorobenzene	2500	2110		ug/Kg		85	76 - 127
2,2-Dichloropropane	2500	2490		ug/Kg		100	58 - 133
2-Butanone (MEK)	2500	2510		ug/Kg		100	34 - 136
2-Chlorotoluene	2500	1670		ug/Kg		67	58 - 110
2-Hexanone	2500	1880		ug/Kg		75	45 - 133
4-Chlorotoluene	2500	1910		ug/Kg		76	73 - 127
4-Methyl-2-pentanone (MIBK)	2500	1970		ug/Kg		79	58 - 137
Acetone	2500	2150		ug/Kg		86	10 - 147
Benzene	2500	1870		ug/Kg		75	67 - 121
Bromobenzene	2500	2280		ug/Kg		91	73 - 125
Chlorobromomethane	2500	2430		ug/Kg		97	68 - 131
Dichlorobromomethane	2500	2010		ug/Kg		81	72 - 117
Bromoform	2500	2310		ug/Kg		92	58 - 118
Bromomethane	2500	1530	^+	ug/Kg		61	10 - 100
Carbon disulfide	2500	1920		ug/Kg		77	41 - 112
Carbon tetrachloride	2500	2040		ug/Kg		82	66 - 117
Chlorobenzene	2500	2140		ug/Kg		86	75 - 125
Chloroethane	2500	1370		ug/Kg		55	10 - 100
Chloroform	2500	2330		ug/Kg		93	72 - 122
Chloromethane	2500	1800		ug/Kg		72	28 - 127
cis-1,2-Dichloroethene	2500	1960		ug/Kg		78	72 - 125
cis-1,3-Dichloropropene	2500	2000		ug/Kg		80	70 - 116
Chlorodibromomethane	2500	1960		ug/Kg		78	68 - 122
Dibromomethane	2500	2230		ug/Kg		89	67 - 126
Dichlorodifluoromethane	2500	1150		ug/Kg		46	10 - 103
Ethylbenzene	2500	2050		ug/Kg		82	76 - 122
Hexachlorobutadiene	2500	2150		ug/Kg		86	61 - 178
Iodomethane	2500	2530		ug/Kg		101	50 - 118
Isopropylbenzene	2500	2030		ug/Kg		81	64 - 139
m-Xylene & p-Xylene	2500	2050		ug/Kg		82	70 - 117
Methyl tert-butyl ether	2500	2120		ug/Kg		85	71 - 142
Methylene Chloride	2500	2000		ug/Kg		80	66 - 127
Naphthalene	2500	2150		ug/Kg		86	72 - 144
n-Butylbenzene	2500	2020		ug/Kg		81	75 - 134
N-Propylbenzene	2500	1990		ug/Kg		79	71 - 131
o-Xylene	2500	2040		ug/Kg		82	64 - 120
4-Isopropyltoluene	2500	1860	*-	ug/Kg		74	76 - 127
sec-Butylbenzene	2500	1790	*-	ug/Kg		72	73 - 143
Styrene	2500	2020		ug/Kg		81	70 - 124
tert-Butylbenzene	2500	1740		ug/Kg		70	66 - 139
Tetrachloroethene	2500	2200		ug/Kg		88	71 - 121
Toluene	2500	1960		ug/Kg		79	73 - 118
trans-1,2-Dichloroethene	2500	2190		ug/Kg		88	69 - 124
trans-1,3-Dichloropropene	2500	2090		ug/Kg		83	69 - 118
Trichloroethene	2500	1980		ug/Kg		79	70 - 123
Trichlorofluoromethane	2500	2440	^+	ug/Kg		98	38 - 139
Vinyl acetate	2500	2110		ug/Kg		85	46 - 138

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-257422/2-A
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	2500	1850		ug/Kg		74	38 - 130
Xylenes, Total	5000	4090		ug/Kg		82	68 - 118

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	98		27 - 150
Toluene-d8 (Surr)	84		28 - 150
4-Bromofluorobenzene (Surr)	82		26 - 150

Lab Sample ID: LCSD 550-257422/3-A
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1,1,2-Tetrachloroethane	2450	2340		ug/Kg		95	67 - 127	5	35
1,1,1-Trichloroethane	2450	2420		ug/Kg		99	70 - 125	11	37
1,1,1,2-Tetrachloroethane	2450	2030		ug/Kg		83	66 - 134	6	36
1,1,2-Trichloroethane	2450	2080		ug/Kg		85	74 - 124	2	32
1,1-Dichloroethane	2450	2190		ug/Kg		89	71 - 121	5	28
1,1-Dichloroethene	2450	2400		ug/Kg		98	63 - 121	11	34
1,1-Dichloropropene	2450	1870		ug/Kg		76	68 - 122	1	23
1,2,3-Trichlorobenzene	2450	2730		ug/Kg		111	72 - 166	12	35
1,2,3-Trichloropropane	2450	2000		ug/Kg		81	58 - 138	3	36
1,2,4-Trichlorobenzene	2450	2580		ug/Kg		105	70 - 163	6	30
1,2,4-Trimethylbenzene	2450	2080		ug/Kg		85	71 - 124	2	26
1,2-Dibromo-3-Chloropropane	2450	2030		ug/Kg		83	64 - 134	10	40
Ethylene Dibromide	2450	2250		ug/Kg		92	75 - 125	2	32
1,2-Dichlorobenzene	2450	2230		ug/Kg		91	78 - 134	6	28
1,2-Dichloroethane	2450	1750		ug/Kg		71	68 - 134	3	29
1,2-Dichloropropane	2450	1940		ug/Kg		79	71 - 124	2	26
1,3,5-Trimethylbenzene	2450	2070		ug/Kg		84	61 - 126	2	26
1,3-Dichlorobenzene	2450	2090		ug/Kg		85	76 - 126	1	25
1,3-Dichloropropane	2450	2100		ug/Kg		85	72 - 123	2	32
1,4-Dichlorobenzene	2450	2140		ug/Kg		87	76 - 127	1	25
2,2-Dichloropropane	2450	2740		ug/Kg		112	58 - 133	10	39
2-Butanone (MEK)	2450	2660		ug/Kg		109	34 - 136	6	40
2-Chlorotoluene	2450	1710		ug/Kg		70	58 - 110	2	24
2-Hexanone	2450	2050		ug/Kg		83	45 - 133	9	40
4-Chlorotoluene	2450	1900		ug/Kg		77	73 - 127	1	23
4-Methyl-2-pentanone (MIBK)	2450	2110		ug/Kg		86	58 - 137	7	40
Acetone	2450	2410		ug/Kg		98	10 - 147	11	50
Benzene	2450	1870		ug/Kg		76	67 - 121	0	24
Bromobenzene	2450	2210		ug/Kg		90	73 - 125	3	26
Chlorobromomethane	2450	2610		ug/Kg		106	68 - 131	7	35
Dichlorobromomethane	2450	1990		ug/Kg		81	72 - 117	1	27
Bromoform	2450	2280		ug/Kg		93	58 - 118	1	31
Bromomethane	2450	1790	^+	ug/Kg		73	10 - 100	16	40
Carbon disulfide	2450	2230		ug/Kg		91	41 - 112	15	40
Carbon tetrachloride	2450	2220		ug/Kg		91	66 - 117	8	32

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-257422/3-A
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	2450	2200		ug/Kg		90	75 - 125	3	27
Chloroethane	2450	1430		ug/Kg		58	10 - 100	5	40
Chloroform	2450	2370		ug/Kg		97	72 - 122	2	29
Chloromethane	2450	2160		ug/Kg		88	28 - 127	18	40
cis-1,2-Dichloroethene	2450	2020		ug/Kg		82	72 - 125	3	27
cis-1,3-Dichloropropene	2450	2020		ug/Kg		82	70 - 116	1	28
Chlorodibromomethane	2450	2030		ug/Kg		83	68 - 122	3	31
Dibromomethane	2450	2240		ug/Kg		91	67 - 126	1	32
Dichlorodifluoromethane	2450	1380		ug/Kg		56	10 - 103	18	40
Ethylbenzene	2450	2100		ug/Kg		86	76 - 122	3	26
Hexachlorobutadiene	2450	2210		ug/Kg		90	61 - 178	3	28
Iodomethane	2450	2870		ug/Kg		117	50 - 118	13	39
Isopropylbenzene	2450	2070		ug/Kg		84	64 - 139	2	26
m-Xylene & p-Xylene	2450	1960		ug/Kg		80	70 - 117	5	21
Methyl tert-butyl ether	2450	2350		ug/Kg		96	71 - 142	10	40
Methylene Chloride	2450	2240		ug/Kg		91	66 - 127	11	38
Naphthalene	2450	2410		ug/Kg		98	72 - 144	11	38
n-Butylbenzene	2450	2070		ug/Kg		85	75 - 134	2	25
N-Propylbenzene	2450	2030		ug/Kg		83	71 - 131	2	23
o-Xylene	2450	2050		ug/Kg		84	64 - 120	0	24
4-Isopropyltoluene	2450	1900		ug/Kg		77	76 - 127	2	27
sec-Butylbenzene	2450	1820		ug/Kg		74	73 - 143	2	27
Styrene	2450	1910		ug/Kg		78	70 - 124	5	24
tert-Butylbenzene	2450	1760		ug/Kg		72	66 - 139	1	25
Tetrachloroethene	2450	2270		ug/Kg		93	71 - 121	3	25
Toluene	2450	1970		ug/Kg		80	73 - 118	0	25
trans-1,2-Dichloroethene	2450	2340		ug/Kg		95	69 - 124	7	28
trans-1,3-Dichloropropene	2450	2000		ug/Kg		82	69 - 118	4	29
Trichloroethene	2450	1910		ug/Kg		78	70 - 123	4	24
Trichlorofluoromethane	2450	2720	^+	ug/Kg		111	38 - 139	11	40
Vinyl acetate	2450	2340		ug/Kg		95	46 - 138	10	40
Vinyl chloride	2450	2130		ug/Kg		87	38 - 130	14	40
Xylenes, Total	4910	4010		ug/Kg		82	68 - 118	2	23

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Dibromofluoromethane (Surr)	104		27 - 150
Toluene-d8 (Surr)	85		28 - 150
4-Bromofluorobenzene (Surr)	80		26 - 150

Lab Sample ID: 550-173327-E-3-C MS
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		2300	2080		ug/Kg		90	42 - 139
1,1,1-Trichloroethane	ND		2300	2050		ug/Kg		89	51 - 132
1,1,1,2,2-Tetrachloroethane	ND		2300	1660		ug/Kg		72	55 - 144
1,1,2-Trichloroethane	ND		2300	1700		ug/Kg		74	54 - 145

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-173327-E-3-C MS
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethane	ND		2300	1720		ug/Kg		75	49 - 133
1,1-Dichloroethene	ND		2300	1880		ug/Kg		82	32 - 131
1,1-Dichloropropene	ND		2300	1490		ug/Kg		65	43 - 138
1,2,3-Trichlorobenzene	190	J	2300	2240		ug/Kg		89	31 - 150
1,2,3-Trichloropropane	ND		2300	1950		ug/Kg		85	53 - 150
1,2,4-Trichlorobenzene	120	J	2300	2280		ug/Kg		94	45 - 150
1,2,4-Trimethylbenzene	ND		2300	1630		ug/Kg		71	57 - 136
1,2-Dibromo-3-Chloropropane	ND		2300	1750		ug/Kg		76	38 - 150
Ethylene Dibromide	ND		2300	1840		ug/Kg		80	61 - 132
1,2-Dichlorobenzene	33	J	2300	1810		ug/Kg		77	51 - 150
1,2-Dichloroethane	ND		2300	1400		ug/Kg		61	38 - 150
1,2-Dichloropropane	ND		2300	1600		ug/Kg		69	43 - 145
1,3,5-Trimethylbenzene	ND		2300	1640		ug/Kg		71	48 - 143
1,3-Dichlorobenzene	21	J	2300	1650		ug/Kg		71	59 - 136
1,3-Dichloropropane	ND		2300	1690		ug/Kg		74	59 - 134
1,4-Dichlorobenzene	19	J	2300	1680		ug/Kg		72	59 - 136
2,2-Dichloropropane	ND		2300	2290		ug/Kg		100	38 - 141
2-Butanone (MEK)	ND		2300	2130		ug/Kg		93	41 - 144
2-Chlorotoluene	ND		2300	1300		ug/Kg		56	48 - 126
2-Hexanone	ND		2300	1730		ug/Kg		75	41 - 150
4-Chlorotoluene	ND		2300	1440		ug/Kg		62	53 - 148
4-Methyl-2-pentanone (MIBK)	ND		2300	1930		ug/Kg		84	36 - 150
Acetone	ND		2300	1850		ug/Kg		80	17 - 150
Benzene	ND		2300	1480		ug/Kg		64	48 - 136
Bromobenzene	17	J	2300	1630		ug/Kg		70	40 - 150
Chlorobromomethane	ND		2300	2100		ug/Kg		91	56 - 132
Dichlorobromomethane	ND		2300	1570		ug/Kg		68	55 - 126
Bromoform	17	J	2300	1670		ug/Kg		72	32 - 139
Bromomethane	ND	^+	2300	1370	^+	ug/Kg		60	10 - 100
Carbon disulfide	ND		2300	1650		ug/Kg		72	10 - 131
Carbon tetrachloride	ND		2300	1750		ug/Kg		76	42 - 129
Chlorobenzene	ND		2300	1800		ug/Kg		78	63 - 131
Chloroethane	ND		2300	1220		ug/Kg		53	10 - 100
Chloroform	ND		2300	1950		ug/Kg		85	56 - 130
Chloromethane	ND		2300	1490		ug/Kg		65	10 - 134
cis-1,2-Dichloroethene	ND		2300	1600		ug/Kg		69	44 - 139
cis-1,3-Dichloropropene	ND		2300	1570		ug/Kg		68	55 - 122
Chlorodibromomethane	ND		2300	1590		ug/Kg		69	50 - 127
Dibromomethane	ND		2300	1860		ug/Kg		81	42 - 147
Dichlorodifluoromethane	ND		2300	530		ug/Kg		23	10 - 100
Ethylbenzene	ND		2300	1830		ug/Kg		79	56 - 134
Hexachlorobutadiene	90	J	2300	1580		ug/Kg		65	25 - 150
Iodomethane	72	J	2300	2170		ug/Kg		91	15 - 126
Isopropylbenzene	ND		2300	1600		ug/Kg		70	48 - 150
m-Xylene & p-Xylene	ND		2300	1470		ug/Kg		64	54 - 130
Methyl tert-butyl ether	ND		2300	1920		ug/Kg		84	40 - 150
Methylene Chloride	ND		2300	1800		ug/Kg		78	43 - 132
Naphthalene	170	J	2300	2070		ug/Kg		82	46 - 150
n-Butylbenzene	32	J	2300	1640		ug/Kg		70	55 - 146

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-173327-E-3-C MS
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	ND		2300	1530		ug/Kg		66	56 - 150
o-Xylene	ND		2300	1550		ug/Kg		67	47 - 138
4-Isopropyltoluene	29	J *	2300	1530		ug/Kg		65	47 - 150
sec-Butylbenzene	36	J B *	2300	1520		ug/Kg		65	41 - 150
Styrene	ND		2300	1450		ug/Kg		63	38 - 150
tert-Butylbenzene	ND		2300	1470		ug/Kg		64	36 - 150
Tetrachloroethene	ND		2300	1900		ug/Kg		82	53 - 132
Toluene	ND		2300	1610		ug/Kg		70	41 - 143
trans-1,2-Dichloroethene	ND		2300	1920		ug/Kg		83	42 - 134
trans-1,3-Dichloropropene	ND		2300	1620		ug/Kg		70	52 - 125
Trichloroethene	ND		2300	1580		ug/Kg		68	32 - 150
Trichlorofluoromethane	ND	^+	2300	1900	^+	ug/Kg		83	10 - 150
Vinyl acetate	ND	F1	2300	ND	F1	ug/Kg		0	10 - 149
Vinyl chloride	ND		2300	1500		ug/Kg		65	10 - 130
Xylenes, Total	ND		4610	3020		ug/Kg		66	49 - 137

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Dibromofluoromethane (Surr)	87		27 - 150
Toluene-d8 (Surr)	73		28 - 150
4-Bromofluorobenzene (Surr)	68		26 - 150

Lab Sample ID: 550-173327-E-3-D MSD
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 257422

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		2530	2160		ug/Kg		85	42 - 139	4	25
1,1,1-Trichloroethane	ND		2530	2180		ug/Kg		86	51 - 132	6	33
1,1,2,2-Tetrachloroethane	ND		2530	1460		ug/Kg		58	55 - 144	13	33
1,1,2-Trichloroethane	ND		2530	1910		ug/Kg		75	54 - 145	12	27
1,1-Dichloroethane	ND		2530	2090		ug/Kg		83	49 - 133	20	20
1,1-Dichloroethene	ND		2530	2000		ug/Kg		79	32 - 131	6	38
1,1-Dichloropropene	ND		2530	1850		ug/Kg		73	43 - 138	21	24
1,2,3-Trichlorobenzene	190	J	2530	2230		ug/Kg		81	31 - 150	0	29
1,2,3-Trichloropropane	ND		2530	1950		ug/Kg		77	53 - 150	0	29
1,2,4-Trichlorobenzene	120	J	2530	2210		ug/Kg		83	45 - 150	3	26
1,2,4-Trimethylbenzene	ND		2530	1710		ug/Kg		67	57 - 136	5	24
1,2-Dibromo-3-Chloropropane	ND		2530	1710		ug/Kg		67	38 - 150	3	33
Ethylene Dibromide	ND		2530	2120		ug/Kg		84	61 - 132	14	22
1,2-Dichlorobenzene	33	J	2530	1820		ug/Kg		70	51 - 150	0	20
1,2-Dichloroethane	ND		2530	1710		ug/Kg		67	38 - 150	20	25
1,2-Dichloropropane	ND		2530	1910		ug/Kg		75	43 - 145	18	24
1,3,5-Trimethylbenzene	ND		2530	1710		ug/Kg		67	48 - 143	4	30
1,3-Dichlorobenzene	21	J	2530	1750		ug/Kg		68	59 - 136	6	18
1,3-Dichloropropane	ND		2530	1930		ug/Kg		76	59 - 134	13	23
1,4-Dichlorobenzene	19	J	2530	1750		ug/Kg		68	59 - 136	4	20
2,2-Dichloropropane	ND		2530	2400		ug/Kg		95	38 - 141	4	35
2-Butanone (MEK)	ND		2530	2620		ug/Kg		103	41 - 144	20	24

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-173327-E-3-D MSD

Matrix: Solid

Analysis Batch: 257433

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 257422

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
2-Chlorotoluene	ND		2530	1390		ug/Kg		55	48 - 126	7	29	
2-Hexanone	ND		2530	1820		ug/Kg		72	41 - 150	5	28	
4-Chlorotoluene	ND		2530	1580		ug/Kg		62	53 - 148	9	26	
4-Methyl-2-pentanone (MIBK)	ND		2530	2110		ug/Kg		83	36 - 150	9	30	
Acetone	ND		2530	2280		ug/Kg		90	17 - 150	21	40	
Benzene	ND		2530	1780		ug/Kg		70	48 - 136	18	19	
Bromobenzene	17	J	2530	1840		ug/Kg		72	40 - 150	12	25	
Chlorobromomethane	ND		2530	2360		ug/Kg		93	56 - 132	12	20	
Dichlorobromomethane	ND		2530	1860		ug/Kg		73	55 - 126	17	20	
Bromoform	17	J	2530	1740		ug/Kg		68	32 - 139	4	28	
Bromomethane	ND	^+	2530	1260	^+	ug/Kg		50	10 - 100	8	40	
Carbon disulfide	ND		2530	1600		ug/Kg		63	10 - 131	3	40	
Carbon tetrachloride	ND		2530	1910		ug/Kg		75	42 - 129	9	35	
Chlorobenzene	ND		2530	2070		ug/Kg		82	63 - 131	14	19	
Chloroethane	ND		2530	1220		ug/Kg		48	10 - 100	0	40	
Chloroform	ND		2530	2310		ug/Kg		91	56 - 130	17	20	
Chloromethane	ND		2530	1300		ug/Kg		51	10 - 134	14	40	
cis-1,2-Dichloroethene	ND		2530	1890		ug/Kg		74	44 - 139	17	18	
cis-1,3-Dichloropropene	ND		2530	1890		ug/Kg		75	55 - 122	19	22	
Chlorodibromomethane	ND		2530	1860		ug/Kg		74	50 - 127	16	19	
Dibromomethane	ND		2530	2130		ug/Kg		84	42 - 147	14	26	
Dichlorodifluoromethane	ND		2530	424		ug/Kg		17	10 - 100	22	40	
Ethylbenzene	ND		2530	1990		ug/Kg		78	56 - 134	8	27	
Hexachlorobutadiene	90	J	2530	1680		ug/Kg		63	25 - 150	6	40	
Iodomethane	72	J	2530	2180		ug/Kg		83	15 - 126	1	38	
Isopropylbenzene	ND		2530	1700		ug/Kg		67	48 - 150	6	40	
m-Xylene & p-Xylene	ND		2530	1700		ug/Kg		67	54 - 130	15	23	
Methyl tert-butyl ether	ND		2530	2130		ug/Kg		84	40 - 150	10	29	
Methylene Chloride	ND		2530	1920		ug/Kg		76	43 - 132	7	25	
Naphthalene	170	J	2530	1990		ug/Kg		72	46 - 150	4	30	
n-Butylbenzene	32	J	2530	1690		ug/Kg		65	55 - 146	3	33	
N-Propylbenzene	ND		2530	1670		ug/Kg		66	56 - 150	9	29	
o-Xylene	ND		2530	1700		ug/Kg		67	47 - 138	9	25	
4-Isopropyltoluene	29	J *-	2530	1580		ug/Kg		61	47 - 150	3	34	
sec-Butylbenzene	36	J B *-	2530	1580		ug/Kg		61	41 - 150	4	35	
Styrene	ND		2530	1640		ug/Kg		65	38 - 150	12	25	
tert-Butylbenzene	ND		2530	1540		ug/Kg		61	36 - 150	5	33	
Tetrachloroethene	ND		2530	2210		ug/Kg		87	53 - 132	15	23	
Toluene	ND		2530	1890		ug/Kg		74	41 - 143	16	26	
trans-1,2-Dichloroethene	ND		2530	2180		ug/Kg		86	42 - 134	13	23	
trans-1,3-Dichloropropene	ND		2530	1930		ug/Kg		76	52 - 125	17	24	
Trichloroethene	ND		2530	1950		ug/Kg		77	32 - 150	21	27	
Trichlorofluoromethane	ND	^+	2530	1920	^+	ug/Kg		76	10 - 150	1	40	
Vinyl acetate	ND	F1	2530	ND	F1	ug/Kg		0	10 - 149	NC	40	
Vinyl chloride	ND		2530	1410		ug/Kg		56	10 - 130	6	40	
Xylenes, Total	ND		5070	3400		ug/Kg		67	49 - 137	12	26	

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-173327-E-3-D MSD
Matrix: Solid
Analysis Batch: 257433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 257422

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	95		27 - 150
Toluene-d8 (Surr)	80		28 - 150
4-Bromofluorobenzene (Surr)	69		26 - 150

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-257472/1-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257472

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	ND		0.25	0.079	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
1,2-Dichlorobenzene	ND		0.50	0.076	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		0.25	0.15	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
1,3-Dichlorobenzene	ND		0.25	0.14	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
1,4-Dichlorobenzene	ND		0.25	0.14	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,4,5-Trichlorophenol	ND		0.25	0.080	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,4,6-Trichlorophenol	ND		0.25	0.099	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,4-Dichlorophenol	ND		0.25	0.078	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,4-Dimethylphenol	ND		0.25	0.075	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,4-Dinitrophenol	ND		2.5	0.68	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,4-Dinitrotoluene	ND		0.25	0.091	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2,6-Dinitrotoluene	ND		0.25	0.089	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2-Chloronaphthalene	ND		0.25	0.087	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2-Chlorophenol	ND		0.25	0.14	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2-Methylnaphthalene	ND		0.50	0.069	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2-Methylphenol	ND		0.25	0.078	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2-Nitroaniline	ND		0.25	0.075	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
2-Nitrophenol	ND		0.25	0.19	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
3 & 4 Methylphenol	ND		0.50	0.074	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
3,3'-Dichlorobenzidine	ND		0.25	0.069	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
3-Nitroaniline	ND		0.25	0.081	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.52	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4-Bromophenyl phenyl ether	ND		0.25	0.089	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4-Chloro-3-methylphenol	ND		0.25	0.073	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4-Chloroaniline	ND		0.50	0.051	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4-Chlorophenyl phenyl ether	ND		0.25	0.079	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4-Nitroaniline	ND		0.25	0.082	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
4-Nitrophenol	ND		0.50	0.37	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Acenaphthene	ND		0.25	0.075	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Acenaphthylene	ND		0.25	0.080	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Anthracene	ND		0.25	0.083	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Benzo[a]anthracene	ND		0.25	0.085	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Benzo[a]pyrene	ND		0.25	0.087	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Benzo[b]fluoranthene	ND		0.25	0.078	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Benzo[g,h,i]perylene	ND		0.25	0.086	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Benzo[k]fluoranthene	ND		0.25	0.090	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Benzoic acid	ND		1.0	0.28	mg/Kg		11/01/21 18:50	11/08/21 19:47	1

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-257472/1-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	ND		0.25	0.077	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Bis(2-chloroethoxy)methane	ND		0.25	0.072	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Bis(2-chloroethyl)ether	ND		0.25	0.086	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
bis (2-chloroisopropyl) ether	ND		0.25	0.076	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Bis(2-ethylhexyl) phthalate	ND		0.25	0.090	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Butyl benzyl phthalate	ND		0.25	0.083	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Chrysene	ND		0.25	0.088	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Dibenz(a,h)anthracene	ND		0.25	0.24	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Dibenzofuran	ND		0.25	0.082	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Diethyl phthalate	ND		0.25	0.078	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Dimethyl phthalate	ND		0.25	0.077	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Di-n-butyl phthalate	ND		0.25	0.085	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Di-n-octyl phthalate	ND		0.25	0.079	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Fluoranthene	ND		0.25	0.081	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Fluorene	ND		0.25	0.083	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Hexachlorobenzene	ND		0.25	0.073	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Hexachlorobutadiene	ND		0.25	0.10	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Hexachlorocyclopentadiene	ND		0.50	0.14	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Hexachloroethane	ND		0.50	0.14	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Indeno[1,2,3-cd]pyrene	ND		0.25	0.10	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Isophorone	ND		0.25	0.088	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Naphthalene	ND		0.50	0.081	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Nitrobenzene	ND		0.25	0.085	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
N-Nitrosodi-n-propylamine	ND		0.50	0.072	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
N-Nitrosodiphenylamine	ND		0.25	0.080	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Pentachlorophenol	ND		1.0	0.49	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Phenanthrene	ND		0.25	0.078	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Phenol	ND		0.50	0.16	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Pyrene	ND		0.25	0.088	mg/Kg		11/01/21 18:50	11/08/21 19:47	1
Pyridine	ND		0.50	0.24	mg/Kg		11/01/21 18:50	11/08/21 19:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	64		10 - 118	11/01/21 18:50	11/08/21 19:47	1
Nitrobenzene-d5 (Surr)	73		14 - 101	11/01/21 18:50	11/08/21 19:47	1
2-Fluorobiphenyl (Surr)	80		18 - 100	11/01/21 18:50	11/08/21 19:47	1
2,4,6-Tribromophenol (Surr)	59		10 - 113	11/01/21 18:50	11/08/21 19:47	1
p-Terphenyl-d14 (Surr)	87		27 - 124	11/01/21 18:50	11/08/21 19:47	1
Phenol-d5 (Surr)	74		16 - 109	11/01/21 18:50	11/08/21 19:47	1

Lab Sample ID: LCS 550-257472/2-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	2.50	1.87		mg/Kg		75	41 - 100
1,2-Dichlorobenzene	2.50	1.70		mg/Kg		68	39 - 100
1,2-Diphenylhydrazine(as Azobenzene)	2.50	2.29		mg/Kg		92	42 - 106
1,3-Dichlorobenzene	2.50	1.64		mg/Kg		66	40 - 100

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-257472/2-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	2.50	1.67		mg/Kg		67	39 - 100
2,4,5-Trichlorophenol	2.50	2.67		mg/Kg		107	40 - 118
2,4,6-Trichlorophenol	2.50	2.30		mg/Kg		92	42 - 111
2,4-Dichlorophenol	2.50	2.28		mg/Kg		91	44 - 109
2,4-Dimethylphenol	2.50	0.877	*	mg/Kg		35	41 - 103
2,4-Dinitrophenol	5.00	3.79		mg/Kg		76	25 - 115
2,4-Dinitrotoluene	2.50	2.53		mg/Kg		101	41 - 116
2,6-Dinitrotoluene	2.50	2.44		mg/Kg		98	42 - 116
2-Chloronaphthalene	2.50	2.15		mg/Kg		86	39 - 100
2-Chlorophenol	2.50	1.92		mg/Kg		77	43 - 109
2-Methylnaphthalene	2.50	1.91		mg/Kg		76	41 - 100
2-Methylphenol	2.50	1.90		mg/Kg		76	43 - 108
2-Nitroaniline	2.50	2.37		mg/Kg		95	44 - 113
2-Nitrophenol	2.50	2.01		mg/Kg		80	38 - 108
3 & 4 Methylphenol	2.50	2.07		mg/Kg		83	43 - 109
3,3'-Dichlorobenzidine	2.50	1.05		mg/Kg		42	10 - 100
3-Nitroaniline	2.50	1.82		mg/Kg		73	35 - 100
4,6-Dinitro-2-methylphenol	5.00	4.15		mg/Kg		83	37 - 117
4-Bromophenyl phenyl ether	2.50	2.28		mg/Kg		91	43 - 106
4-Chloro-3-methylphenol	2.50	2.41		mg/Kg		96	43 - 114
4-Chloroaniline	2.50	1.18		mg/Kg		47	21 - 100
4-Chlorophenyl phenyl ether	2.50	2.35		mg/Kg		94	41 - 106
4-Nitroaniline	2.50	1.91		mg/Kg		76	40 - 112
4-Nitrophenol	5.00	5.12		mg/Kg		102	43 - 119
Acenaphthene	2.50	2.23		mg/Kg		89	40 - 101
Acenaphthylene	2.50	2.14		mg/Kg		86	40 - 104
Anthracene	2.50	2.30		mg/Kg		92	43 - 109
Benzo[a]anthracene	2.50	2.41		mg/Kg		96	44 - 109
Benzo[a]pyrene	2.50	2.39		mg/Kg		96	47 - 111
Benzo[b]fluoranthene	2.50	2.49		mg/Kg		100	45 - 113
Benzo[g,h,i]perylene	2.50	2.49		mg/Kg		99	46 - 111
Benzo[k]fluoranthene	2.50	2.45		mg/Kg		98	44 - 114
Benzoic acid	5.00	4.35		mg/Kg		87	21 - 120
Benzyl alcohol	2.50	2.06		mg/Kg		82	40 - 107
Bis(2-chloroethoxy)methane	2.50	1.91		mg/Kg		76	40 - 100
Bis(2-chloroethyl)ether	2.50	1.78		mg/Kg		71	39 - 100
bis (2-chloroisopropyl) ether	2.50	1.79		mg/Kg		72	38 - 99
Bis(2-ethylhexyl) phthalate	2.50	2.43		mg/Kg		97	47 - 112
Butyl benzyl phthalate	2.50	2.30		mg/Kg		92	44 - 116
Chrysene	2.50	2.29		mg/Kg		92	44 - 108
Dibenz(a,h)anthracene	2.50	2.39		mg/Kg		96	47 - 108
Dibenzofuran	2.50	2.23		mg/Kg		89	41 - 102
Diethyl phthalate	2.50	2.42		mg/Kg		97	39 - 112
Dimethyl phthalate	2.50	2.41		mg/Kg		96	40 - 108
Di-n-butyl phthalate	2.50	2.51		mg/Kg		100	45 - 114
Di-n-octyl phthalate	2.50	2.39		mg/Kg		95	45 - 114
Fluoranthene	2.50	2.40		mg/Kg		96	44 - 113
Fluorene	2.50	2.32		mg/Kg		93	40 - 107
Hexachlorobenzene	2.50	2.33		mg/Kg		93	41 - 105

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-257472/2-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	2.50	1.73		mg/Kg		69	40 - 95
Hexachlorocyclopentadiene	2.50	1.68		mg/Kg		67	29 - 98
Hexachloroethane	2.50	1.63		mg/Kg		65	39 - 96
Indeno[1,2,3-cd]pyrene	2.50	2.57		mg/Kg		103	46 - 108
Isophorone	2.50	2.03		mg/Kg		81	38 - 98
Naphthalene	2.50	1.84		mg/Kg		74	41 - 95
Nitrobenzene	2.50	1.83		mg/Kg		73	40 - 99
N-Nitrosodi-n-propylamine	2.50	1.87		mg/Kg		75	35 - 105
N-Nitrosodiphenylamine	2.13	1.92		mg/Kg		90	43 - 108
Pentachlorophenol	5.00	4.02		mg/Kg		80	37 - 114
Phenanthrene	2.50	2.26		mg/Kg		90	43 - 105
Phenol	2.50	1.98		mg/Kg		79	43 - 109
Pyrene	2.50	2.37		mg/Kg		95	45 - 107
Pyridine	5.00	2.34		mg/Kg		47	26 - 100

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
2-Fluorophenol (Surr)	71		10 - 118
Nitrobenzene-d5 (Surr)	68		14 - 101
2-Fluorobiphenyl (Surr)	82		18 - 100
2,4,6-Tribromophenol (Surr)	89		10 - 113
p-Terphenyl-d14 (Surr)	91		27 - 124
Phenol-d5 (Surr)	76		16 - 109

Lab Sample ID: LCSD 550-257472/3-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257472

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.50	2.03		mg/Kg		81	41 - 100	8	21
1,2-Dichlorobenzene	2.50	1.95		mg/Kg		78	39 - 100	14	27
1,2-Diphenylhydrazine(as Azobenzene)	2.50	2.23		mg/Kg		89	42 - 106	3	20
1,3-Dichlorobenzene	2.50	1.86		mg/Kg		74	40 - 100	12	26
1,4-Dichlorobenzene	2.50	1.92		mg/Kg		77	39 - 100	14	26
2,4,5-Trichlorophenol	2.50	2.41		mg/Kg		96	40 - 118	10	21
2,4,6-Trichlorophenol	2.50	2.08		mg/Kg		83	42 - 111	10	23
2,4-Dichlorophenol	2.50	2.28		mg/Kg		91	44 - 109	0	22
2,4-Dimethylphenol	2.50	0.753	*-	mg/Kg		30	41 - 103	15	21
2,4-Dinitrophenol	5.00	3.57		mg/Kg		71	25 - 115	6	39
2,4-Dinitrotoluene	2.50	2.33		mg/Kg		93	41 - 116	8	20
2,6-Dinitrotoluene	2.50	2.27		mg/Kg		91	42 - 116	7	23
2-Chloronaphthalene	2.50	2.03		mg/Kg		81	39 - 100	6	23
2-Chlorophenol	2.50	2.07		mg/Kg		83	43 - 109	8	27
2-Methylnaphthalene	2.50	1.98		mg/Kg		79	41 - 100	4	20
2-Methylphenol	2.50	1.86		mg/Kg		74	43 - 108	2	23
2-Nitroaniline	2.50	2.23		mg/Kg		89	44 - 113	6	25
2-Nitrophenol	2.50	2.12		mg/Kg		85	38 - 108	5	24
3 & 4 Methylphenol	2.50	2.00		mg/Kg		80	43 - 109	3	25
3,3'-Dichlorobenzidine	2.50	0.906		mg/Kg		36	10 - 100	14	44

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-257472/3-A

Matrix: Solid

Analysis Batch: 257982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 257472

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
3-Nitroaniline	2.50	1.63		mg/Kg		65	35 - 100	11	28
4,6-Dinitro-2-methylphenol	5.00	4.09		mg/Kg		82	37 - 117	2	23
4-Bromophenyl phenyl ether	2.50	2.12		mg/Kg		85	43 - 106	7	24
4-Chloro-3-methylphenol	2.50	2.28		mg/Kg		91	43 - 114	5	20
4-Chloroaniline	2.50	1.08		mg/Kg		43	21 - 100	10	33
4-Chlorophenyl phenyl ether	2.50	2.14		mg/Kg		86	41 - 106	9	21
4-Nitroaniline	2.50	1.67		mg/Kg		67	40 - 112	13	22
4-Nitrophenol	5.00	4.78		mg/Kg		96	43 - 119	7	23
Acenaphthene	2.50	2.11		mg/Kg		85	40 - 101	5	20
Acenaphthylene	2.50	2.06		mg/Kg		82	40 - 104	4	23
Anthracene	2.50	2.20		mg/Kg		88	43 - 109	5	22
Benzo[a]anthracene	2.50	2.26		mg/Kg		90	44 - 109	6	20
Benzo[a]pyrene	2.50	2.29		mg/Kg		92	47 - 111	4	24
Benzo[b]fluoranthene	2.50	2.37		mg/Kg		95	45 - 113	5	23
Benzo[g,h,i]perylene	2.50	2.31		mg/Kg		92	46 - 111	7	20
Benzo[k]fluoranthene	2.50	2.32		mg/Kg		93	44 - 114	5	21
Benzoic acid	5.00	4.29		mg/Kg		86	21 - 120	1	27
Benzyl alcohol	2.50	2.19		mg/Kg		88	40 - 107	6	27
Bis(2-chloroethoxy)methane	2.50	1.99		mg/Kg		79	40 - 100	4	23
Bis(2-chloroethyl)ether	2.50	1.91		mg/Kg		77	39 - 100	7	26
bis (2-chloroisopropyl) ether	2.50	1.98		mg/Kg		79	38 - 99	10	25
Bis(2-ethylhexyl) phthalate	2.50	2.36		mg/Kg		94	47 - 112	3	20
Butyl benzyl phthalate	2.50	2.17		mg/Kg		87	44 - 116	6	24
Chrysene	2.50	2.13		mg/Kg		85	44 - 108	7	22
Dibenz(a,h)anthracene	2.50	2.29		mg/Kg		92	47 - 108	4	20
Dibenzofuran	2.50	2.08		mg/Kg		83	41 - 102	7	21
Diethyl phthalate	2.50	2.28		mg/Kg		91	39 - 112	6	20
Dimethyl phthalate	2.50	2.22		mg/Kg		89	40 - 108	8	21
Di-n-butyl phthalate	2.50	2.42		mg/Kg		97	45 - 114	4	21
Di-n-octyl phthalate	2.50	2.27		mg/Kg		91	45 - 114	5	23
Fluoranthene	2.50	2.35		mg/Kg		94	44 - 113	2	21
Fluorene	2.50	2.15		mg/Kg		86	40 - 107	7	20
Hexachlorobenzene	2.50	2.19		mg/Kg		88	41 - 105	6	20
Hexachlorobutadiene	2.50	1.94		mg/Kg		77	40 - 95	11	20
Hexachlorocyclopentadiene	2.50	1.83		mg/Kg		73	29 - 98	8	34
Hexachloroethane	2.50	1.81		mg/Kg		73	39 - 96	11	21
Indeno[1,2,3-cd]pyrene	2.50	2.46		mg/Kg		99	46 - 108	4	20
Isophorone	2.50	2.07		mg/Kg		83	38 - 98	2	21
Naphthalene	2.50	1.95		mg/Kg		78	41 - 95	6	22
Nitrobenzene	2.50	1.93		mg/Kg		77	40 - 99	6	21
N-Nitrosodi-n-propylamine	2.50	1.97		mg/Kg		79	35 - 105	5	27
N-Nitrosodiphenylamine	2.13	1.75		mg/Kg		82	43 - 108	9	21
Pentachlorophenol	5.00	3.66		mg/Kg		73	37 - 114	9	24
Phenanthrene	2.50	2.12		mg/Kg		85	43 - 105	6	20
Phenol	2.50	2.04		mg/Kg		82	43 - 109	3	23
Pyrene	2.50	2.27		mg/Kg		91	45 - 107	5	22
Pyridine	5.00	2.80		mg/Kg		56	26 - 100	18	29

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-257472/3-A
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257472

Surrogate	LCS D %Recovery	LCS D Qualifier	Limits
2-Fluorophenol (Surr)	76		10 - 118
Nitrobenzene-d5 (Surr)	70		14 - 101
2-Fluorobiphenyl (Surr)	77		18 - 100
2,4,6-Tribromophenol (Surr)	84		10 - 113
p-Terphenyl-d14 (Surr)	86		27 - 124
Phenol-d5 (Surr)	77		16 - 109

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 550-173320-1 MS
Matrix: Solid
Analysis Batch: 257982

Client Sample ID: ETI-1-U-20211027
Prep Type: Total/NA
Prep Batch: 257472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene - DL	ND		2.73	2.27		mg/Kg	☼	83	22 - 100
1,2-Dichlorobenzene - DL	ND		2.73	2.03	E4	mg/Kg	☼	74	19 - 100
1,2-Diphenylhydrazine(as Azobenzene) - DL	ND		2.73	2.50		mg/Kg	☼	91	19 - 117
1,3-Dichlorobenzene - DL	ND		2.73	1.97		mg/Kg	☼	72	21 - 100
1,4-Dichlorobenzene - DL	ND		2.73	1.97		mg/Kg	☼	72	23 - 100
2,4,5-Trichlorophenol - DL	ND		2.73	2.64		mg/Kg	☼	97	20 - 118
2,4,6-Trichlorophenol - DL	ND		2.73	2.15		mg/Kg	☼	79	13 - 118
2,4-Dichlorophenol - DL	ND		2.73	2.38		mg/Kg	☼	87	22 - 118
2,4-Dimethylphenol - DL	ND	*	2.73	2.07		mg/Kg	☼	76	10 - 127
2,4-Dinitrophenol - DL	ND	F1	5.46	ND	F1	mg/Kg	☼	0	20 - 105
2,4-Dinitrotoluene - DL	ND		2.73	2.36		mg/Kg	☼	87	16 - 122
2,6-Dinitrotoluene - DL	ND		2.73	2.51		mg/Kg	☼	92	18 - 124
2-Chloronaphthalene - DL	ND		2.73	2.33		mg/Kg	☼	85	24 - 100
2-Chlorophenol - DL	ND		2.73	2.18		mg/Kg	☼	80	21 - 113
2-Methylnaphthalene - DL	ND		2.73	2.17	E4	mg/Kg	☼	79	23 - 101
2-Methylphenol - DL	ND		2.73	2.28		mg/Kg	☼	84	22 - 113
2-Nitroaniline - DL	ND		2.73	2.32		mg/Kg	☼	85	17 - 119
2-Nitrophenol - DL	ND		2.73	2.37		mg/Kg	☼	87	17 - 112
3 & 4 Methylphenol - DL	ND		2.73	2.14	E4	mg/Kg	☼	78	21 - 116
3,3'-Dichlorobenzidine - DL	ND		2.73	1.79		mg/Kg	☼	65	10 - 119
3-Nitroaniline - DL	ND		2.73	2.47		mg/Kg	☼	91	10 - 118
4,6-Dinitro-2-methylphenol - DL	ND		5.46	3.51	E4	mg/Kg	☼	64	10 - 111
4-Bromophenyl phenyl ether - DL	ND		2.73	2.51		mg/Kg	☼	92	25 - 110
4-Chloro-3-methylphenol - DL	ND		2.73	2.63		mg/Kg	☼	96	20 - 124
4-Chloroaniline - DL	ND		2.73	1.95	E4	mg/Kg	☼	71	10 - 115
4-Chlorophenyl phenyl ether - DL	ND		2.73	2.33		mg/Kg	☼	85	25 - 106
4-Nitroaniline - DL	ND		2.73	2.41		mg/Kg	☼	88	10 - 117
4-Nitrophenol - DL	ND		5.46	5.29		mg/Kg	☼	97	22 - 116
Acenaphthene - DL	ND		2.73	2.39		mg/Kg	☼	87	22 - 103
Acenaphthylene - DL	ND		2.73	2.23		mg/Kg	☼	82	18 - 111
Anthracene - DL	ND		2.73	2.43		mg/Kg	☼	89	14 - 121
Benzo[a]anthracene - DL	ND		2.73	2.19		mg/Kg	☼	80	22 - 116
Benzo[a]pyrene - DL	ND		2.73	2.34		mg/Kg	☼	86	21 - 118
Benzo[b]fluoranthene - DL	ND		2.73	2.39		mg/Kg	☼	88	21 - 119

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-173320-1 MS

Matrix: Solid

Analysis Batch: 257982

Client Sample ID: ETI-1-U-20211027

Prep Type: Total/NA

Prep Batch: 257472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzo[g,h,i]perylene - DL	ND		2.73	2.28		mg/Kg	⊛	83	15 - 120
Benzo[k]fluoranthene - DL	ND		2.73	2.19		mg/Kg	⊛	80	20 - 116
Benzoic acid - DL	ND		5.46	2.27	E4	mg/Kg	⊛	42	10 - 102
Benzyl alcohol - DL	ND		2.73	2.12		mg/Kg	⊛	77	19 - 113
Bis(2-chloroethoxy)methane - DL	ND		2.73	2.24		mg/Kg	⊛	82	10 - 123
Bis(2-chloroethyl)ether - DL	ND		2.73	2.06		mg/Kg	⊛	76	19 - 102
bis (2-chloroisopropyl) ether - DL	ND		2.73	2.12		mg/Kg	⊛	77	19 - 103
Bis(2-ethylhexyl) phthalate - DL	ND		2.73	2.24		mg/Kg	⊛	82	20 - 124
Butyl benzyl phthalate - DL	ND		2.73	2.10		mg/Kg	⊛	77	24 - 119
Chrysene - DL	ND		2.73	2.24		mg/Kg	⊛	82	19 - 116
Dibenz(a,h)anthracene - DL	ND		2.73	2.23		mg/Kg	⊛	82	18 - 117
Dibenzofuran - DL	ND		2.73	2.34		mg/Kg	⊛	86	25 - 105
Diethyl phthalate - DL	ND		2.73	2.46		mg/Kg	⊛	90	18 - 114
Dimethyl phthalate - DL	ND		2.73	2.41		mg/Kg	⊛	88	22 - 110
Di-n-butyl phthalate - DL	ND		2.73	2.48		mg/Kg	⊛	91	25 - 120
Di-n-octyl phthalate - DL	ND		2.73	2.27		mg/Kg	⊛	83	19 - 126
Fluoranthene - DL	ND		2.73	2.54		mg/Kg	⊛	93	23 - 119
Fluorene - DL	ND		2.73	2.38		mg/Kg	⊛	87	23 - 110
Hexachlorobenzene - DL	ND		2.73	2.51		mg/Kg	⊛	92	22 - 110
Hexachlorobutadiene - DL	ND		2.73	2.05		mg/Kg	⊛	75	24 - 100
Hexachlorocyclopentadiene - DL	ND		2.73	1.49	E4	mg/Kg	⊛	55	10 - 120
Hexachloroethane - DL	ND		2.73	2.17	E4	mg/Kg	⊛	79	11 - 103
Indeno[1,2,3-cd]pyrene - DL	ND		2.73	2.37		mg/Kg	⊛	87	15 - 117
Isophorone - DL	ND		2.73	2.26		mg/Kg	⊛	83	10 - 112
Naphthalene - DL	ND		2.73	2.20		mg/Kg	⊛	81	22 - 100
Nitrobenzene - DL	ND		2.73	2.26		mg/Kg	⊛	83	22 - 101
N-Nitrosodi-n-propylamine - DL	ND		2.73	2.04	E4	mg/Kg	⊛	75	14 - 113
N-Nitrosodiphenylamine - DL	ND		2.32	2.06		mg/Kg	⊛	89	10 - 139
Pentachlorophenol - DL	ND		5.46	3.83	E4	mg/Kg	⊛	70	5 - 115
Phenanthrene - DL	ND		2.73	2.50		mg/Kg	⊛	92	23 - 112
Phenol - DL	ND		2.73	2.20		mg/Kg	⊛	81	23 - 113
Pyrene - DL	ND		2.73	2.20		mg/Kg	⊛	81	24 - 114
Pyridine - DL	ND		5.46	2.91		mg/Kg	⊛	53	10 - 100

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr) - DL	71		10 - 118
Nitrobenzene-d5 (Surr) - DL	71		14 - 101
2-Fluorobiphenyl (Surr) - DL	79		18 - 100
2,4,6-Tribromophenol (Surr) - DL	81		10 - 113
p-Terphenyl-d14 (Surr) - DL	75		27 - 124
Phenol-d5 (Surr) - DL	73		16 - 109

Lab Sample ID: 550-173320-1 MSD

Matrix: Solid

Analysis Batch: 257982

Client Sample ID: ETI-1-U-20211027

Prep Type: Total/NA

Prep Batch: 257472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	
				Result	Qualifier					RPD	Limit
1,2,4-Trichlorobenzene - DL	ND		2.70	2.04		mg/Kg	⊛	76	22 - 100	11	35

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-173320-1 MSD

Matrix: Solid

Analysis Batch: 257982

Client Sample ID: ETI-1-U-20211027

Prep Type: Total/NA

Prep Batch: 257472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene - DL	ND		2.70	1.85	E4	mg/Kg	☼	69	19 - 100	9	45
1,2-Diphenylhydrazine(as Azobenzene) - DL	ND		2.70	2.40		mg/Kg	☼	89	19 - 117	4	29
1,3-Dichlorobenzene - DL	ND		2.70	1.76		mg/Kg	☼	65	21 - 100	11	45
1,4-Dichlorobenzene - DL	ND		2.70	1.81		mg/Kg	☼	67	23 - 100	9	45
2,4,5-Trichlorophenol - DL	ND		2.70	2.82		mg/Kg	☼	104	20 - 118	6	36
2,4,6-Trichlorophenol - DL	ND		2.70	2.63		mg/Kg	☼	98	13 - 118	20	35
2,4-Dichlorophenol - DL	ND		2.70	2.42		mg/Kg	☼	90	22 - 118	2	29
2,4-Dimethylphenol - DL	ND	*	2.70	2.09		mg/Kg	☼	78	10 - 127	1	36
2,4-Dinitrophenol - DL	ND	F1	5.39	ND	F1	mg/Kg	☼	0	20 - 105	NC	20
2,4-Dinitrotoluene - DL	ND		2.70	2.57		mg/Kg	☼	95	16 - 122	8	32
2,6-Dinitrotoluene - DL	ND		2.70	2.57		mg/Kg	☼	95	18 - 124	2	27
2-Chloronaphthalene - DL	ND		2.70	2.39		mg/Kg	☼	89	24 - 100	3	31
2-Chlorophenol - DL	ND		2.70	2.23		mg/Kg	☼	83	21 - 113	2	36
2-Methylnaphthalene - DL	ND		2.70	2.21		mg/Kg	☼	82	23 - 101	2	28
2-Methylphenol - DL	ND		2.70	2.13		mg/Kg	☼	79	22 - 113	7	33
2-Nitroaniline - DL	ND		2.70	2.42		mg/Kg	☼	90	17 - 119	4	30
2-Nitrophenol - DL	ND		2.70	2.00		mg/Kg	☼	74	17 - 112	17	30
3 & 4 Methylphenol - DL	ND		2.70	2.28		mg/Kg	☼	85	21 - 116	6	33
3,3'-Dichlorobenzidine - DL	ND		2.70	1.67		mg/Kg	☼	62	10 - 119	7	29
3-Nitroaniline - DL	ND		2.70	2.37		mg/Kg	☼	88	10 - 118	4	26
4,6-Dinitro-2-methylphenol - DL	ND		5.39	3.36	E4	mg/Kg	☼	62	10 - 111	4	31
4-Bromophenyl phenyl ether - DL	ND		2.70	2.42		mg/Kg	☼	90	25 - 110	4	27
4-Chloro-3-methylphenol - DL	ND		2.70	2.54		mg/Kg	☼	94	20 - 124	4	28
4-Chloroaniline - DL	ND		2.70	1.74	E4	mg/Kg	☼	65	10 - 115	11	20
4-Chlorophenyl phenyl ether - DL	ND		2.70	2.49		mg/Kg	☼	92	25 - 106	7	29
4-Nitroaniline - DL	ND		2.70	2.56		mg/Kg	☼	95	10 - 117	6	32
4-Nitrophenol - DL	ND		5.39	5.48		mg/Kg	☼	102	22 - 116	3	30
Acenaphthene - DL	ND		2.70	2.43		mg/Kg	☼	90	22 - 103	2	29
Acenaphthylene - DL	ND		2.70	2.25		mg/Kg	☼	84	18 - 111	1	33
Anthracene - DL	ND		2.70	2.37		mg/Kg	☼	88	14 - 121	2	30
Benzo[a]anthracene - DL	ND		2.70	2.31		mg/Kg	☼	85	22 - 116	5	28
Benzo[a]pyrene - DL	ND		2.70	2.30		mg/Kg	☼	85	21 - 118	2	28
Benzo[b]fluoranthene - DL	ND		2.70	2.46		mg/Kg	☼	91	21 - 119	3	30
Benzo[g,h,i]perylene - DL	ND		2.70	2.33		mg/Kg	☼	87	15 - 120	3	31
Benzo[k]fluoranthene - DL	ND		2.70	2.31		mg/Kg	☼	86	20 - 116	5	29
Benzoic acid - DL	ND		5.39	2.03	E4	mg/Kg	☼	38	10 - 102	11	30
Benzyl alcohol - DL	ND		2.70	2.17		mg/Kg	☼	80	19 - 113	2	34
Bis(2-chloroethoxy)methane - DL	ND		2.70	2.12		mg/Kg	☼	79	10 - 123	5	45
Bis(2-chloroethyl)ether - DL	ND		2.70	2.03		mg/Kg	☼	75	19 - 102	2	42
bis (2-chloroisopropyl) ether - DL	ND		2.70	2.02		mg/Kg	☼	75	19 - 103	5	39
Bis(2-ethylhexyl) phthalate - DL	ND		2.70	2.35		mg/Kg	☼	87	20 - 124	5	28
Butyl benzyl phthalate - DL	ND		2.70	2.17		mg/Kg	☼	80	24 - 119	4	29
Chrysene - DL	ND		2.70	2.28		mg/Kg	☼	84	19 - 116	2	29
Dibenz(a,h)anthracene - DL	ND		2.70	2.35		mg/Kg	☼	87	18 - 117	5	36
Dibenzofuran - DL	ND		2.70	2.47		mg/Kg	☼	92	25 - 105	6	28
Diethyl phthalate - DL	ND		2.70	2.55		mg/Kg	☼	95	18 - 114	3	36
Dimethyl phthalate - DL	ND		2.70	2.45		mg/Kg	☼	91	22 - 110	2	27
Di-n-butyl phthalate - DL	ND		2.70	2.49		mg/Kg	☼	92	25 - 120	0	27

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-173320-1 MSD

Matrix: Solid

Analysis Batch: 257982

Client Sample ID: ETI-1-U-20211027

Prep Type: Total/NA

Prep Batch: 257472

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Di-n-octyl phthalate - DL	ND		2.70	2.33		mg/Kg	☼	86	19 - 126	3	27
Fluoranthene - DL	ND		2.70	2.57		mg/Kg	☼	95	23 - 119	1	30
Fluorene - DL	ND		2.70	2.56		mg/Kg	☼	95	23 - 110	7	27
Hexachlorobenzene - DL	ND		2.70	2.47		mg/Kg	☼	92	22 - 110	1	30
Hexachlorobutadiene - DL	ND		2.70	1.93		mg/Kg	☼	72	24 - 100	6	41
Hexachlorocyclopentadiene - DL	ND		2.70	1.40	E4	mg/Kg	☼	52	10 - 120	6	34
Hexachloroethane - DL	ND		2.70	1.80	E4	mg/Kg	☼	67	11 - 103	18	45
Indeno[1,2,3-cd]pyrene - DL	ND		2.70	2.30		mg/Kg	☼	85	15 - 117	3	30
Isophorone - DL	ND		2.70	2.22		mg/Kg	☼	82	10 - 112	2	26
Naphthalene - DL	ND		2.70	2.08	E4	mg/Kg	☼	77	22 - 100	6	33
Nitrobenzene - DL	ND		2.70	2.03		mg/Kg	☼	75	22 - 101	11	34
N-Nitrosodi-n-propylamine - DL	ND		2.70	2.18	E4	mg/Kg	☼	81	14 - 113	6	33
N-Nitrosodiphenylamine - DL	ND		2.29	2.03		mg/Kg	☼	88	10 - 139	2	39
Pentachlorophenol - DL	ND		5.39	3.75	E4	mg/Kg	☼	70	5 - 115	2	30
Phenanthrene - DL	ND		2.70	2.39		mg/Kg	☼	89	23 - 112	5	30
Phenol - DL	ND		2.70	2.19	E4	mg/Kg	☼	81	23 - 113	1	35
Pyrene - DL	ND		2.70	2.30		mg/Kg	☼	85	24 - 114	4	29
Pyridine - DL	ND		5.39	2.71		mg/Kg	☼	50	10 - 100	7	39

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr) - DL	75		10 - 118
Nitrobenzene-d5 (Surr) - DL	67		14 - 101
2-Fluorobiphenyl (Surr) - DL	82		18 - 100
2,4,6-Tribromophenol (Surr) - DL	88		10 - 113
p-Terphenyl-d14 (Surr) - DL	79		27 - 124
Phenol-d5 (Surr) - DL	74		16 - 109

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-660314/1-A

Matrix: Solid

Analysis Batch: 660365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660314

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cr (VI)	ND		0.30	0.15	mg/Kg		11/05/21 13:58	11/08/21 05:22	3

Lab Sample ID: LCS 440-660314/2-A

Matrix: Solid

Analysis Batch: 660365

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660314

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
Cr (VI)	40.0	40.9		mg/Kg		102	80 - 120

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 7199 - Chromium, Hexavalent (IC) (Continued)

Lab Sample ID: LCSD 440-660314/3-A
Matrix: Solid
Analysis Batch: 660365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 660314

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	39.5	39.1		mg/Kg		99	80 - 120	5	20

Lab Sample ID: 550-172992-B-5-B MS
Matrix: Solid
Analysis Batch: 660365

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 660314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cr (VI)	ND		40.0	31.9		mg/Kg		80	75 - 125

Lab Sample ID: 550-172992-B-5-C MSD
Matrix: Solid
Analysis Batch: 660365

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 660314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		40.2	32.4		mg/Kg		81	75 - 125	1	20

Lab Sample ID: 550-172992-B-5-D MSI
Matrix: Solid
Analysis Batch: 660365

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 660314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	Limits
Cr (VI)	ND		1040	1090		mg/Kg		105	75 - 125

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 550-257298/1-A
Matrix: Solid
Analysis Batch: 257495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.5	0.25	mg/Kg		11/01/21 08:00	11/01/21 15:55	1
Barium	0.0872	E4	5.0	0.051	mg/Kg		11/01/21 08:00	11/01/21 15:55	1
Cadmium	ND		0.099	0.042	mg/Kg		11/01/21 08:00	11/01/21 15:55	1
Chromium	ND		0.25	0.16	mg/Kg		11/01/21 08:00	11/01/21 15:55	1
Lead	ND		0.50	0.14	mg/Kg		11/01/21 08:00	11/01/21 15:55	1
Selenium	ND		0.50	0.25	mg/Kg		11/01/21 08:00	11/01/21 15:55	1
Silver	ND		0.40	0.012	mg/Kg		11/01/21 08:00	11/01/21 15:55	1

Lab Sample ID: LCS 550-257298/2-A
Matrix: Solid
Analysis Batch: 257495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	49.1	46.5		mg/Kg		95	80 - 110
Barium	49.1	48.8		mg/Kg		99	88 - 110
Cadmium	49.1	45.6		mg/Kg		93	83 - 110
Chromium	49.1	46.1		mg/Kg		94	86 - 110
Lead	49.1	46.6		mg/Kg		95	83 - 110
Selenium	49.1	45.3		mg/Kg		92	80 - 110
Silver	3.68	3.34		mg/Kg		91	80 - 110

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 6010B - Metals (ICP)

Lab Sample ID: LCSD 550-257298/3-A
Matrix: Solid
Analysis Batch: 257495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257298

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	%Rec. RPD Limit	
Arsenic	49.8	47.2		mg/Kg		95	80 - 110	1	20	
Barium	49.8	49.3		mg/Kg		99	88 - 110	1	20	
Cadmium	49.8	47.5		mg/Kg		95	83 - 110	4	20	
Chromium	49.8	47.1		mg/Kg		94	86 - 110	2	20	
Lead	49.8	47.5		mg/Kg		95	83 - 110	2	20	
Selenium	49.8	46.3		mg/Kg		93	80 - 110	2	20	
Silver	3.74	3.42		mg/Kg		91	80 - 110	2	20	

Lab Sample ID: 550-173320-1 MS
Matrix: Solid
Analysis Batch: 257495

Client Sample ID: ETI-1-U-20211027
Prep Type: Total/NA
Prep Batch: 257298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	%Rec. RPD Limit	
Arsenic	4.4		54.7	54.3		mg/Kg		91	75 - 125		
Barium	160	B F1	54.7	225		mg/Kg	☼	119	75 - 125		
Cadmium	ND		54.7	49.4		mg/Kg	☼	90	75 - 125		
Chromium	16		54.7	65.3		mg/Kg	☼	91	75 - 125		
Lead	13	F2	54.7	71.0		mg/Kg	☼	106	75 - 125		
Selenium	ND		54.7	46.8		mg/Kg	☼	86	75 - 125		
Silver	ND		4.10	3.28		mg/Kg	☼	80	75 - 125		

Lab Sample ID: 550-173320-1 MSD
Matrix: Solid
Analysis Batch: 257495

Client Sample ID: ETI-1-U-20211027
Prep Type: Total/NA
Prep Batch: 257298

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	%Rec. RPD Limit	
Arsenic	4.4		54.1	53.9		mg/Kg	☼	91	75 - 125	1	20	
Barium	160	B F1	54.1	230	F1	mg/Kg	☼	129	75 - 125	2	20	
Cadmium	ND		54.1	49.5		mg/Kg	☼	91	75 - 125	0	20	
Chromium	16		54.1	64.6		mg/Kg	☼	90	75 - 125	1	20	
Lead	13	F2	54.1	57.7	F2	mg/Kg	☼	83	75 - 125	21	20	
Selenium	ND		54.1	46.7		mg/Kg	☼	86	75 - 125	0	20	
Silver	ND		4.06	3.21		mg/Kg	☼	79	75 - 125	2	20	

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 550-257304/1-A
Matrix: Solid
Analysis Batch: 257353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: LCS 550-257304/2-A
Matrix: Solid
Analysis Batch: 257353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec. RPD Limit	
Mercury	0.864	0.906		mg/Kg		105	80 - 120		

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 550-257304/3-A
Matrix: Solid
Analysis Batch: 257353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257304

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	0.970	0.998		mg/Kg		103	80 - 120	10	20

Lab Sample ID: 550-173320-1 MS
Matrix: Solid
Analysis Batch: 257353

Client Sample ID: ETI-1-U-20211027
Prep Type: Total/NA
Prep Batch: 257304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	ND		0.926	0.986		mg/Kg		107	75 - 125		

Lab Sample ID: 550-173320-1 MSD
Matrix: Solid
Analysis Batch: 257353

Client Sample ID: ETI-1-U-20211027
Prep Type: Total/NA
Prep Batch: 257304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	ND		0.946	0.968		mg/Kg		102	75 - 125	2	20

Method: 2540G - SM 2540G

Lab Sample ID: MB 550-257442/1
Matrix: Solid
Analysis Batch: 257442

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.004		0.1	0.1	%			11/01/21 12:07	1
Percent Solids	100		0.1	0.1	%			11/01/21 12:07	1

Lab Sample ID: 550-173372-D-1 DU
Matrix: Solid
Analysis Batch: 257442

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	8.7		7.9		%		9	10
Percent Solids	91.3		92.1		%		0.8	10

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

GC/MS VOA

Prep Batch: 257422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	5035A	
MB 550-257422/1-A	Method Blank	Total/NA	Solid	5035A	
LCS 550-257422/2-A	Lab Control Sample	Total/NA	Solid	5035A	
LCSD 550-257422/3-A	Lab Control Sample Dup	Total/NA	Solid	5035A	
550-173327-E-3-C MS	Matrix Spike	Total/NA	Solid	5035A	
550-173327-E-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035A	

Analysis Batch: 257433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	8260B	257422
MB 550-257422/1-A	Method Blank	Total/NA	Solid	8260B	257422
LCS 550-257422/2-A	Lab Control Sample	Total/NA	Solid	8260B	257422
LCSD 550-257422/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	257422
550-173327-E-3-C MS	Matrix Spike	Total/NA	Solid	8260B	257422
550-173327-E-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	257422

Analysis Batch: 257512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	8260B	257422

GC/MS Semi VOA

Prep Batch: 257472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1 - DL	ETI-1-U-20211027	Total/NA	Solid	3546	
MB 550-257472/1-A	Method Blank	Total/NA	Solid	3546	
LCS 550-257472/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 550-257472/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
550-173320-1 MS - DL	ETI-1-U-20211027	Total/NA	Solid	3546	
550-173320-1 MSD - DL	ETI-1-U-20211027	Total/NA	Solid	3546	

Analysis Batch: 257982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1 - DL	ETI-1-U-20211027	Total/NA	Solid	8270C	257472
MB 550-257472/1-A	Method Blank	Total/NA	Solid	8270C	257472
LCS 550-257472/2-A	Lab Control Sample	Total/NA	Solid	8270C	257472
LCSD 550-257472/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	257472
550-173320-1 MS - DL	ETI-1-U-20211027	Total/NA	Solid	8270C	257472
550-173320-1 MSD - DL	ETI-1-U-20211027	Total/NA	Solid	8270C	257472

HPLC/IC

Prep Batch: 660314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	3060A	
MB 440-660314/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 440-660314/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSD 440-660314/3-A	Lab Control Sample Dup	Total/NA	Solid	3060A	
550-172992-B-5-B MS	Matrix Spike	Total/NA	Solid	3060A	
550-172992-B-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3060A	
550-172992-B-5-D MSI	Matrix Spike	Total/NA	Solid	3060A	

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

HPLC/IC

Analysis Batch: 660365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	7199	660314
MB 440-660314/1-A	Method Blank	Total/NA	Solid	7199	660314
LCS 440-660314/2-A	Lab Control Sample	Total/NA	Solid	7199	660314
LCSD 440-660314/3-A	Lab Control Sample Dup	Total/NA	Solid	7199	660314
550-172992-B-5-B MS	Matrix Spike	Total/NA	Solid	7199	660314
550-172992-B-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7199	660314
550-172992-B-5-D MSI	Matrix Spike	Total/NA	Solid	7199	660314

Metals

Prep Batch: 257298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	3050B	
MB 550-257298/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 550-257298/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 550-257298/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
550-173320-1 MS	ETI-1-U-20211027	Total/NA	Solid	3050B	
550-173320-1 MSD	ETI-1-U-20211027	Total/NA	Solid	3050B	

Prep Batch: 257304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	7471A	
MB 550-257304/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 550-257304/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 550-257304/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
550-173320-1 MS	ETI-1-U-20211027	Total/NA	Solid	7471A	
550-173320-1 MSD	ETI-1-U-20211027	Total/NA	Solid	7471A	

Analysis Batch: 257353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	7471A	257304
MB 550-257304/1-A	Method Blank	Total/NA	Solid	7471A	257304
LCS 550-257304/2-A	Lab Control Sample	Total/NA	Solid	7471A	257304
LCSD 550-257304/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	257304
550-173320-1 MS	ETI-1-U-20211027	Total/NA	Solid	7471A	257304
550-173320-1 MSD	ETI-1-U-20211027	Total/NA	Solid	7471A	257304

Analysis Batch: 257495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	6010B	257298
MB 550-257298/1-A	Method Blank	Total/NA	Solid	6010B	257298
LCS 550-257298/2-A	Lab Control Sample	Total/NA	Solid	6010B	257298
LCSD 550-257298/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	257298
550-173320-1 MS	ETI-1-U-20211027	Total/NA	Solid	6010B	257298
550-173320-1 MSD	ETI-1-U-20211027	Total/NA	Solid	6010B	257298

General Chemistry

Analysis Batch: 257442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Total/NA	Solid	2540G	
MB 550-257442/1	Method Blank	Total/NA	Solid	2540G	

Eurofins TestAmerica, Phoenix

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

General Chemistry (Continued)

Analysis Batch: 257442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173372-D-1 DU	Duplicate	Total/NA	Solid	2540G	

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Lab Chronicle

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			257304	10/29/21 16:15	SRR	TAL PHX
Total/NA	Analysis	7471A		1	257353	10/29/21 18:27	CXK	TAL PHX
Total/NA	Analysis	2540G		1	257442		YET	TAL PHX
					(Start)	11/01/21 12:07		
					(End)	11/02/21 11:40		

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			257422	10/29/21 14:00	EML	TAL PHX
Total/NA	Analysis	8260B		1	257433	11/01/21 20:51	R1K	TAL PHX
Total/NA	Prep	5035A			257422	10/29/21 14:00	EML	TAL PHX
Total/NA	Analysis	8260B		1	257512	11/02/21 13:33	R1K	TAL PHX
Total/NA	Prep	3546	DL		257472	11/01/21 18:51	CMM	TAL PHX
Total/NA	Analysis	8270C	DL	4	257982	11/08/21 21:43	TC1	TAL PHX
Total/NA	Prep	3060A			660314	11/05/21 13:59	ZL7L	TAL IRV
Total/NA	Analysis	7199		3	660365	11/08/21 06:14	YO8L	TAL IRV
Total/NA	Prep	3050B			257298	11/01/21 08:00	CXK	TAL PHX
Total/NA	Analysis	6010B		1	257495	11/01/21 16:11	MGM	TAL PHX

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Laboratory: Eurofins TestAmerica, Phoenix

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	154268	10-30-21 *
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-30-21 *
Arizona	State	AZ0728	06-10-22
California	State	2941	06-10-22
Nevada	State	AZ1030	07-31-22
Oregon	NELAP	AZ100001	03-09-22
USDA	US Federal Programs	P330-19-00227	08-27-22

Laboratory: Eurofins Calscience Irvine

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Nevada	State	CA015312022-1	07-31-22

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-1
SDG: NERT

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PHX
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL PHX
7471A	Mercury (CVAA)	SW846	TAL PHX
2540G	SM 2540G	SM22	TAL PHX
3050B	Preparation, Metals	SW846	TAL PHX
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL PHX
5035A	Closed System Purge and Trap	SW846	TAL PHX
7471A	Preparation, Mercury	SW846	TAL PHX

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix

4625 East Cotton Ctr Blvd Suite 189
 Phoenix, AZ 85040
 Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Sester, Rachel E		Carrier Tracking No(s): 1935 244 7167		COC No. 550-32250.1			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Rachel.Sester@Eurofinset.com		State of Origin: Nevada		Page: Page 1 of 1			
Company: Eurofins Calscience LLC				Accreditations Required (See note): State Program - Nevada				Job #: 550-173320-1			
Address: 17461 Derian Ave, Suite 100,		Due Date Requested: 11/10/2021		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
City: Irvine		TAT Requested (days):									
State, Zip: CA, 92614-5817		PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Phone: 949-261-1022(Tel) 949-260-3297(Fax)		WO #:		7199_ORGFWM3060A							
Email:		Project #: 55014171									
Project Name: NERT		SSOW#:									
Site:											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:		
ETI-1-U-20211027 (550-173320-1)		10/27/21	11:30 Pacific		Solid	X		1			
Preservation Code:		X									

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:
Relinquished by: <i>Erin</i>		Date/Time: <i>10-29-21 15:05</i>	Company: <i>TH-THX</i>
Relinquished by:		Date/Time:	Company:
Relinquished by:		Date/Time:	Company:
Relinquished by:		Date/Time:	Company:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
		Cooler Temperature(s) °C and Other Remarks: <i>.716 TR-20</i>	



Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 550-173320-1

SDG Number: NERT

Login Number: 173320

List Source: Eurofins TestAmerica, Phoenix

List Number: 1

Creator: Gravlin, Andrea

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 550-173320-1

SDG Number: NERT

Login Number: 173320

List Number: 2

Creator: Lagunas, Jorge L

List Source: Eurofins Calscience Irvine

List Creation: 10/30/21 12:49 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-173321-1
Laboratory Sample Delivery Group: NERT
Client Project/Site: NERT

For:
Envirogen Technologies Inc
250 Phillips Blvd
Suite 255
Ewing, New Jersey 08618

Attn: Wendy Prescott



Authorized for release by:
11/11/2021 5:02:30 PM
Emily Petrunia, Project Manager I
(602)659-7629
emily.petrunia@eurofinset.com
Designee for
Rachel Sester, Project Manager I
(602)659-7615
Rachel.Sester@Eurofinset.com

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results through
Total Access

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
F1	MS and/or MSD recovery exceeds control limits.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).

Metals

Qualifier	Qualifier Description
B1	Target analyte detected in method blank at or above the method reporting limit.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Job ID: 550-173321-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative 550-173321-1

Comments

No additional comments.

Receipt

The sample was received on 10/29/2021 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270C: The laboratory control sample (LCS) associated with preparation batch 550-257445 and 550-257593 and analytical batch 550-258093 recovered outside control limits, low for Pyridine. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The laboratory control sample duplicate (LCSD) and batch matrix spike/matrix spike duplicate (MS/MSD) were within acceptance limits and may be used to evaluate matrix performance.

Method 8270C: The matrix spike (MS) recoveries for preparation batch 550-257445 and 550-257593 and analytical batch 550-258093 were outside control limits for 2-Methylphenol, 3 & 4 Methylphenol and 2,4,5-Trichlorophenol. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

Method 314.0: Due to the high concentration of Perchlorate, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 550-258101 and analytical batch 550-258300 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-173321-1	ETI-1-U-20211028	Solid	10/28/21 12:30	10/29/21 10:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Detection Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Client Sample ID: ETI-1-U-20211028

Lab Sample ID: 550-173321-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylphenol	0.023	F1 E4	0.10	0.0030	mg/L	1		8270C	TCLP
Perchlorate	35		2.0	0.56	mg/Kg	200		314.0	Soluble
Barium	0.60	B1	0.50	0.0066	mg/L	1		6010B	TCLP
Ignitability	not ignitable				NONE	1		1030	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Client Sample ID: ETI-1-U-20211028

Lab Sample ID: 550-173321-1

Date Collected: 10/28/21 12:30

Matrix: Solid

Date Received: 10/29/21 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10	0.012	mg/L			11/02/21 14:27	1
Carbon tetrachloride	ND		0.10	0.015	mg/L			11/02/21 14:27	1
Chlorobenzene	ND		0.10	0.017	mg/L			11/02/21 14:27	1
Chloroform	ND		0.10	0.013	mg/L			11/02/21 14:27	1
1,4-Dichlorobenzene	ND		0.10	0.017	mg/L			11/02/21 14:27	1
1,2-Dichloroethane	ND		0.10	0.031	mg/L			11/02/21 14:27	1
1,1-Dichloroethene	ND		0.10	0.023	mg/L			11/02/21 14:27	1
2-Butanone (MEK)	ND		500	220	ug/L			11/02/21 14:27	1
Tetrachloroethene	ND		0.10	0.018	mg/L			11/02/21 14:27	1
Trichloroethene	ND		0.10	0.024	mg/L			11/02/21 14:27	1
Vinyl chloride	ND		0.10	0.018	mg/L			11/02/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		64 - 124					11/02/21 14:27	1
Toluene-d8 (Surr)	93		75 - 113					11/02/21 14:27	1
4-Bromofluorobenzene (Surr)	88		62 - 126					11/02/21 14:27	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.023	F1 E4	0.10	0.0030	mg/L		11/03/21 07:55	11/09/21 21:01	1
3 & 4 Methylphenol	ND	F1	0.10	0.0050	mg/L		11/03/21 07:55	11/09/21 21:01	1
2,4-Dinitrotoluene	ND		0.050	0.0040	mg/L		11/03/21 07:55	11/09/21 21:01	1
Hexachloroethane	ND		0.10	0.0030	mg/L		11/03/21 07:55	11/09/21 21:01	1
Hexachlorobenzene	ND		0.050	0.020	mg/L		11/03/21 07:55	11/09/21 21:01	1
Hexachlorobutadiene	ND		0.10	0.0040	mg/L		11/03/21 07:55	11/09/21 21:01	1
Nitrobenzene	ND		0.10	0.020	mg/L		11/03/21 07:55	11/09/21 21:01	1
Pentachlorophenol	ND		0.25	0.0050	mg/L		11/03/21 07:55	11/09/21 21:01	1
Pyridine	ND	*-	0.10	0.0010	mg/L		11/03/21 07:55	11/09/21 21:01	1
2,4,5-Trichlorophenol	ND	F1	0.20	0.0020	mg/L		11/03/21 07:55	11/09/21 21:01	1
2,4,6-Trichlorophenol	ND		0.20	0.0070	mg/L		11/03/21 07:55	11/09/21 21:01	1
1,4-Dichlorobenzene	ND		0.10	0.0040	mg/L		11/03/21 07:55	11/09/21 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	69		25 - 100				11/03/21 07:55	11/09/21 21:01	1
Nitrobenzene-d5 (Surr)	70		24 - 100				11/03/21 07:55	11/09/21 21:01	1
2-Fluorobiphenyl (Surr)	72		15 - 100				11/03/21 07:55	11/09/21 21:01	1
2,4,6-Tribromophenol (Surr)	97		20 - 114				11/03/21 07:55	11/09/21 21:01	1
p-Terphenyl-d14 (Surr)	103		31 - 117				11/03/21 07:55	11/09/21 21:01	1
Phenol-d5 (Surr)	67		22 - 100				11/03/21 07:55	11/09/21 21:01	1

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	35		2.0	0.56	mg/Kg			11/11/21 10:52	200

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.027	mg/L		11/02/21 13:25	11/03/21 09:05	1
Barium	0.60	B1	0.50	0.0066	mg/L		11/02/21 13:25	11/03/21 09:05	1
Cadmium	ND		0.10	0.0035	mg/L		11/02/21 13:25	11/03/21 09:05	1
Chromium	ND		0.25	0.0046	mg/L		11/02/21 13:25	11/03/21 09:05	1
Lead	ND		0.10	0.020	mg/L		11/02/21 13:25	11/03/21 09:05	1

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: Envirogen Technologies Inc
 Project/Site: NERT

Job ID: 550-173321-1
 SDG: NERT

Client Sample ID: ETI-1-U-20211028

Lab Sample ID: 550-173321-1

Date Collected: 10/28/21 12:30

Matrix: Solid

Date Received: 10/29/21 10:00

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.10	0.025	mg/L		11/02/21 13:25	11/03/21 09:05	1
Silver	ND		0.040	0.00094	mg/L		11/02/21 13:25	11/03/21 09:05	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.000080	mg/L		11/02/21 16:16	11/02/21 21:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	not ignitable				NONE			11/09/21 15:40	1



Surrogate Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (64-124)	TOL (75-113)	BFB (62-126)
LCS 550-257507/3	Lab Control Sample	118	88	90
LCSD 550-257507/4	Lab Control Sample Dup	118	89	93

Surrogate Legend
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (64-124)	TOL (75-113)	BFB (62-126)
550-173321-1	ETI-1-U-20211028	101	93	88
550-173321-1 MS	ETI-1-U-20211028	113	92	88
550-173321-1 MSD	ETI-1-U-20211028	113	94	88
MB 550-257441/1-A	Method Blank	99	91	92

Surrogate Legend
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		2FP (25-100)	NBZ (24-100)	FBP (15-100)	TBP (20-114)	TPHd14 (31-117)	PHL (22-100)
LCS 550-257593/4-A	Lab Control Sample	76	73	80	99	98	74
LCSD 550-257593/5-A	Lab Control Sample Dup	77	77	82	105	105	74
MB 550-257593/1-A	Method Blank	72	76	76	91	99	72

Surrogate Legend
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 TBP = 2,4,6-Tribromophenol (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)
 PHL = Phenol-d5 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		2FP (25-100)	NBZ (24-100)	FBP (15-100)	TBP (20-114)	TPHd14 (31-117)	PHL (22-100)
550-173321-1	ETI-1-U-20211028	69	70	72	97	103	67
550-173321-1 MS	ETI-1-U-20211028	88	84	84	109	103	88
550-173321-1 MSD	ETI-1-U-20211028	80	82	86	107	107	79
LB 550-257445/1-D	Method Blank	64	68	68	95	101	65

Surrogate Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

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QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 550-257507/3

Matrix: Solid

Analysis Batch: 257507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0428		mg/L		86	70 - 128
Carbon tetrachloride	0.0500	0.0580		mg/L		116	64 - 136
Chlorobenzene	0.0500	0.0476		mg/L		95	74 - 123
Chloroform	0.0500	0.0582		mg/L		116	71 - 127
1,4-Dichlorobenzene	0.0500	0.0471		mg/L		94	70 - 130
1,2-Dichloroethane	0.0500	0.0566		mg/L		113	65 - 133
1,1-Dichloroethene	0.0500	0.0546		mg/L		109	70 - 130
2-Butanone (MEK)	50.0	65.1		ug/L		130	14 - 150
Tetrachloroethene	0.0500	0.0514		mg/L		103	70 - 127
Trichloroethene	0.0500	0.0472		mg/L		94	71 - 126
Vinyl chloride	0.0500	0.0434		mg/L		87	56 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	118		64 - 124
Toluene-d8 (Surr)	88		75 - 113
4-Bromofluorobenzene (Surr)	90		62 - 126

Lab Sample ID: LCSD 550-257507/4

Matrix: Solid

Analysis Batch: 257507

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0431		mg/L		86	70 - 128	1	20
Carbon tetrachloride	0.0500	0.0588		mg/L		118	64 - 136	1	20
Chlorobenzene	0.0500	0.0477		mg/L		95	74 - 123	0	20
Chloroform	0.0500	0.0593		mg/L		119	71 - 127	2	20
1,4-Dichlorobenzene	0.0500	0.0474		mg/L		95	70 - 130	1	20
1,2-Dichloroethane	0.0500	0.0559		mg/L		112	65 - 133	1	20
1,1-Dichloroethene	0.0500	0.0564		mg/L		113	70 - 130	3	22
2-Butanone (MEK)	50.0	69.7		ug/L		139	14 - 150	7	35
Tetrachloroethene	0.0500	0.0520		mg/L		104	70 - 127	1	20
Trichloroethene	0.0500	0.0471		mg/L		94	71 - 126	0	20
Vinyl chloride	0.0500	0.0445		mg/L		89	56 - 140	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	118		64 - 124
Toluene-d8 (Surr)	89		75 - 113
4-Bromofluorobenzene (Surr)	93		62 - 126

Lab Sample ID: MB 550-257441/1-A

Matrix: Solid

Analysis Batch: 257507

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10	0.012	mg/L			11/02/21 13:14	1
Carbon tetrachloride	ND		0.10	0.015	mg/L			11/02/21 13:14	1
Chlorobenzene	ND		0.10	0.017	mg/L			11/02/21 13:14	1
Chloroform	ND		0.10	0.013	mg/L			11/02/21 13:14	1

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-257441/1-A
Matrix: Solid
Analysis Batch: 257507

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	ND		0.10	0.017	mg/L			11/02/21 13:14	1
1,2-Dichloroethane	ND		0.10	0.031	mg/L			11/02/21 13:14	1
1,1-Dichloroethene	ND		0.10	0.023	mg/L			11/02/21 13:14	1
2-Butanone (MEK)	ND		500	220	ug/L			11/02/21 13:14	1
Tetrachloroethene	ND		0.10	0.018	mg/L			11/02/21 13:14	1
Trichloroethene	ND		0.10	0.024	mg/L			11/02/21 13:14	1
Vinyl chloride	ND		0.10	0.018	mg/L			11/02/21 13:14	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	99		64 - 124		11/02/21 13:14	1
Toluene-d8 (Surr)	91		75 - 113		11/02/21 13:14	1
4-Bromofluorobenzene (Surr)	92		62 - 126		11/02/21 13:14	1

Lab Sample ID: 550-173321-1 MS
Matrix: Solid
Analysis Batch: 257507

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	ND		5.00	4.22		mg/L		84	63 - 134
Carbon tetrachloride	ND		5.00	5.24		mg/L		105	65 - 141
Chlorobenzene	ND		5.00	4.67		mg/L		93	69 - 128
Chloroform	ND		5.00	5.38		mg/L		108	72 - 124
1,4-Dichlorobenzene	ND		5.00	4.43		mg/L		89	68 - 126
1,2-Dichloroethane	ND		5.00	5.52		mg/L		110	72 - 129
1,1-Dichloroethene	ND		5.00	5.01		mg/L		100	61 - 142
2-Butanone (MEK)	ND		5000	6100		ug/L		122	34 - 141
Tetrachloroethene	ND		5.00	4.67		mg/L		93	68 - 134
Trichloroethene	ND		5.00	4.13		mg/L		83	73 - 126
Vinyl chloride	ND		5.00	3.92		mg/L		78	54 - 143

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	113		64 - 124
Toluene-d8 (Surr)	92		75 - 113
4-Bromofluorobenzene (Surr)	88		62 - 126

Lab Sample ID: 550-173321-1 MSD
Matrix: Solid
Analysis Batch: 257507

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
Benzene	ND		5.00	4.35		mg/L		87	63 - 134	3	35
Carbon tetrachloride	ND		5.00	5.24		mg/L		105	65 - 141	0	35
Chlorobenzene	ND		5.00	4.81		mg/L		96	69 - 128	3	35
Chloroform	ND		5.00	5.21		mg/L		104	72 - 124	3	35
1,4-Dichlorobenzene	ND		5.00	4.40		mg/L		88	68 - 126	1	35
1,2-Dichloroethane	ND		5.00	5.39		mg/L		108	72 - 129	2	35
1,1-Dichloroethene	ND		5.00	4.97		mg/L		99	61 - 142	1	35
2-Butanone (MEK)	ND		5000	5610		ug/L		112	34 - 141	8	35

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-173321-1 MSD
Matrix: Solid
Analysis Batch: 257507

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND		5.00	4.71		mg/L		94	68 - 134	1	35
Trichloroethene	ND		5.00	4.17		mg/L		83	73 - 126	1	35
Vinyl chloride	ND		5.00	4.10		mg/L		82	54 - 143	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Dibromofluoromethane (Surr)	113		64 - 124								
Toluene-d8 (Surr)	94		75 - 113								
4-Bromofluorobenzene (Surr)	88		62 - 126								

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-257593/1-A
Matrix: Solid
Analysis Batch: 258093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.10	0.0030	mg/L		11/03/21 07:55	11/09/21 18:18	1
3 & 4 Methylphenol	ND		0.10	0.0050	mg/L		11/03/21 07:55	11/09/21 18:18	1
2,4-Dinitrotoluene	ND		0.050	0.0040	mg/L		11/03/21 07:55	11/09/21 18:18	1
Hexachloroethane	ND		0.10	0.0030	mg/L		11/03/21 07:55	11/09/21 18:18	1
Hexachlorobenzene	ND		0.050	0.020	mg/L		11/03/21 07:55	11/09/21 18:18	1
Hexachlorobutadiene	ND		0.10	0.0040	mg/L		11/03/21 07:55	11/09/21 18:18	1
Nitrobenzene	ND		0.10	0.020	mg/L		11/03/21 07:55	11/09/21 18:18	1
Pentachlorophenol	ND		0.25	0.0050	mg/L		11/03/21 07:55	11/09/21 18:18	1
Pyridine	ND		0.10	0.0010	mg/L		11/03/21 07:55	11/09/21 18:18	1
2,4,5-Trichlorophenol	ND		0.20	0.0020	mg/L		11/03/21 07:55	11/09/21 18:18	1
2,4,6-Trichlorophenol	ND		0.20	0.0070	mg/L		11/03/21 07:55	11/09/21 18:18	1
1,4-Dichlorobenzene	ND		0.10	0.0040	mg/L		11/03/21 07:55	11/09/21 18:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	72		25 - 100				11/03/21 07:55	11/09/21 18:18	1
Nitrobenzene-d5 (Surr)	76		24 - 100				11/03/21 07:55	11/09/21 18:18	1
2-Fluorobiphenyl (Surr)	76		15 - 100				11/03/21 07:55	11/09/21 18:18	1
2,4,6-Tribromophenol (Surr)	91		20 - 114				11/03/21 07:55	11/09/21 18:18	1
p-Terphenyl-d14 (Surr)	99		31 - 117				11/03/21 07:55	11/09/21 18:18	1
Phenol-d5 (Surr)	72		22 - 100				11/03/21 07:55	11/09/21 18:18	1

Lab Sample ID: LCS 550-257593/4-A
Matrix: Solid
Analysis Batch: 258093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	0.500	0.517		mg/L		103	24 - 107
3 & 4 Methylphenol	0.500	0.445		mg/L		89	28 - 103
2,4-Dinitrotoluene	0.500	0.487		mg/L		97	29 - 110
Hexachloroethane	0.500	0.327		mg/L		65	15 - 100
Hexachlorobenzene	0.500	0.458		mg/L		92	30 - 109
Hexachlorobutadiene	0.500	0.343		mg/L		69	14 - 100

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-257593/4-A

Matrix: Solid

Analysis Batch: 258093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 257593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrobenzene	0.500	0.384		mg/L		77	25 - 109
Pentachlorophenol	1.00	0.591		mg/L		59	18 - 103
Pyridine	1.00	0.409	*	mg/L		41	45 - 107
2,4,5-Trichlorophenol	0.500	0.499		mg/L		100	29 - 112
2,4,6-Trichlorophenol	0.500	0.444		mg/L		89	27 - 112
1,4-Dichlorobenzene	0.500	0.337		mg/L		67	26 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	76		25 - 100
Nitrobenzene-d5 (Surr)	73		24 - 100
2-Fluorobiphenyl (Surr)	80		15 - 100
2,4,6-Tribromophenol (Surr)	99		20 - 114
p-Terphenyl-d14 (Surr)	98		31 - 117
Phenol-d5 (Surr)	74		22 - 100

Lab Sample ID: LCSD 550-257593/5-A

Matrix: Solid

Analysis Batch: 258093

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 257593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
2-Methylphenol	0.500	0.506		mg/L		101	24 - 107	2	35
3 & 4 Methylphenol	0.500	0.460		mg/L		92	28 - 103	3	35
2,4-Dinitrotoluene	0.500	0.519		mg/L		104	29 - 110	6	29
Hexachloroethane	0.500	0.323		mg/L		65	15 - 100	1	31
Hexachlorobenzene	0.500	0.490		mg/L		98	30 - 109	7	28
Hexachlorobutadiene	0.500	0.359		mg/L		72	14 - 100	4	31
Nitrobenzene	0.500	0.402		mg/L		80	25 - 109	5	29
Pentachlorophenol	1.00	0.644		mg/L		64	18 - 103	9	24
Pyridine	1.00	0.501		mg/L		50	45 - 107	20	29
2,4,5-Trichlorophenol	0.500	0.543		mg/L		109	29 - 112	9	24
2,4,6-Trichlorophenol	0.500	0.479		mg/L		96	27 - 112	8	25
1,4-Dichlorobenzene	0.500	0.352		mg/L		70	26 - 100	4	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol (Surr)	77		25 - 100
Nitrobenzene-d5 (Surr)	77		24 - 100
2-Fluorobiphenyl (Surr)	82		15 - 100
2,4,6-Tribromophenol (Surr)	105		20 - 114
p-Terphenyl-d14 (Surr)	105		31 - 117
Phenol-d5 (Surr)	74		22 - 100

Lab Sample ID: LB 550-257445/1-D

Matrix: Solid

Analysis Batch: 258093

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 257593

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.10	0.0030	mg/L		11/03/21 07:55	11/09/21 19:04	1
3 & 4 Methylphenol	ND		0.10	0.0050	mg/L		11/03/21 07:55	11/09/21 19:04	1

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 550-257445/1-D
Matrix: Solid
Analysis Batch: 258093

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 257593

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-Dinitrotoluene	ND		0.050	0.0040	mg/L		11/03/21 07:55	11/09/21 19:04	1
Hexachloroethane	ND		0.10	0.0030	mg/L		11/03/21 07:55	11/09/21 19:04	1
Hexachlorobenzene	ND		0.050	0.020	mg/L		11/03/21 07:55	11/09/21 19:04	1
Hexachlorobutadiene	ND		0.10	0.0040	mg/L		11/03/21 07:55	11/09/21 19:04	1
Nitrobenzene	ND		0.10	0.020	mg/L		11/03/21 07:55	11/09/21 19:04	1
Pentachlorophenol	ND		0.25	0.0050	mg/L		11/03/21 07:55	11/09/21 19:04	1
Pyridine	ND		0.10	0.0010	mg/L		11/03/21 07:55	11/09/21 19:04	1
2,4,5-Trichlorophenol	ND		0.20	0.0020	mg/L		11/03/21 07:55	11/09/21 19:04	1
2,4,6-Trichlorophenol	ND		0.20	0.0070	mg/L		11/03/21 07:55	11/09/21 19:04	1
1,4-Dichlorobenzene	ND		0.10	0.0040	mg/L		11/03/21 07:55	11/09/21 19:04	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol (Surr)	64		25 - 100	11/03/21 07:55	11/09/21 19:04	1
Nitrobenzene-d5 (Surr)	68		24 - 100	11/03/21 07:55	11/09/21 19:04	1
2-Fluorobiphenyl (Surr)	68		15 - 100	11/03/21 07:55	11/09/21 19:04	1
2,4,6-Tribromophenol (Surr)	95		20 - 114	11/03/21 07:55	11/09/21 19:04	1
p-Terphenyl-d14 (Surr)	101		31 - 117	11/03/21 07:55	11/09/21 19:04	1
Phenol-d5 (Surr)	65		22 - 100	11/03/21 07:55	11/09/21 19:04	1

Lab Sample ID: 550-173321-1 MS
Matrix: Solid
Analysis Batch: 258093

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP
Prep Batch: 257593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
2-Methylphenol	0.023	J F1	0.500	0.612	F1	mg/L		118	24 - 107
3 & 4 Methylphenol	ND	F1	0.500	0.527	F1	mg/L		105	28 - 103
2,4-Dinitrotoluene	ND		0.500	0.529		mg/L		106	29 - 110
Hexachloroethane	ND		0.500	0.351		mg/L		70	15 - 100
Hexachlorobenzene	ND		0.500	0.493		mg/L		99	30 - 109
Hexachlorobutadiene	ND		0.500	0.372		mg/L		74	14 - 100
Nitrobenzene	ND		0.500	0.448		mg/L		90	25 - 109
Pentachlorophenol	ND		1.00	0.680		mg/L		68	18 - 103
Pyridine	ND	*-	1.00	0.418		mg/L		42	10 - 100
2,4,5-Trichlorophenol	ND	F1	0.500	0.584	F1	mg/L		117	29 - 112
2,4,6-Trichlorophenol	ND		0.500	0.516		mg/L		103	27 - 112
1,4-Dichlorobenzene	ND		0.500	0.390		mg/L		78	26 - 100

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr)	88		25 - 100
Nitrobenzene-d5 (Surr)	84		24 - 100
2-Fluorobiphenyl (Surr)	84		15 - 100
2,4,6-Tribromophenol (Surr)	109		20 - 114
p-Terphenyl-d14 (Surr)	103		31 - 117
Phenol-d5 (Surr)	88		22 - 100

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-173321-1 MSD
Matrix: Solid
Analysis Batch: 258093

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP
Prep Batch: 257593

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
2-Methylphenol	0.023	J F1	0.500	0.515		mg/L		98	24 - 107	17	35
3 & 4 Methylphenol	ND	F1	0.500	0.481		mg/L		96	28 - 103	9	35
2,4-Dinitrotoluene	ND		0.500	0.530		mg/L		106	29 - 110	0	29
Hexachloroethane	ND		0.500	0.359		mg/L		72	15 - 100	2	31
Hexachlorobenzene	ND		0.500	0.490		mg/L		98	30 - 109	1	28
Hexachlorobutadiene	ND		0.500	0.382		mg/L		76	14 - 100	3	31
Nitrobenzene	ND		0.500	0.443		mg/L		89	25 - 109	1	29
Pentachlorophenol	ND		1.00	0.691		mg/L		69	18 - 103	2	24
Pyridine	ND	*-	1.00	0.515		mg/L		52	10 - 100	21	39
2,4,5-Trichlorophenol	ND	F1	0.500	0.560		mg/L		112	29 - 112	4	24
2,4,6-Trichlorophenol	ND		0.500	0.491		mg/L		98	27 - 112	5	25
1,4-Dichlorobenzene	ND		0.500	0.373		mg/L		75	26 - 100	5	27

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2-Fluorophenol (Surr)	80		25 - 100
Nitrobenzene-d5 (Surr)	82		24 - 100
2-Fluorobiphenyl (Surr)	86		15 - 100
2,4,6-Tribromophenol (Surr)	107		20 - 114
p-Terphenyl-d14 (Surr)	107		31 - 117
Phenol-d5 (Surr)	79		22 - 100

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MRL 550-258300/1003
Matrix: Solid
Analysis Batch: 258300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	1.00	0.849	E4	ug/L		85	75 - 125

Lab Sample ID: MB 550-258101/1-A
Matrix: Solid
Analysis Batch: 258300

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.0098	0.0028	mg/Kg			11/11/21 09:45	1

Lab Sample ID: LCS 550-258101/2-A
Matrix: Solid
Analysis Batch: 258300

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.249	0.244		mg/Kg		98	85 - 115

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: LCSD 550-258101/3-A
Matrix: Solid
Analysis Batch: 258300

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	0.249	0.258		mg/Kg		104	85 - 115	5	15

Lab Sample ID: 550-173321-1 MS
Matrix: Solid
Analysis Batch: 258300

Client Sample ID: ETI-1-U-20211028
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	35		0.249	84.8	4	mg/Kg		20087	80 - 120

Lab Sample ID: 550-173321-1 MSD
Matrix: Solid
Analysis Batch: 258300

Client Sample ID: ETI-1-U-20211028
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	35		0.246	84.7	4	mg/Kg		20250	80 - 120	0	15

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 550-257536/1-A
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.027	mg/L		11/02/21 13:25	11/03/21 08:47	1
Barium	ND		0.50	0.0066	mg/L		11/02/21 13:25	11/03/21 08:47	1
Cadmium	ND		0.10	0.0035	mg/L		11/02/21 13:25	11/03/21 08:47	1
Chromium	ND		0.25	0.0046	mg/L		11/02/21 13:25	11/03/21 08:47	1
Lead	ND		0.10	0.020	mg/L		11/02/21 13:25	11/03/21 08:47	1
Selenium	ND		0.10	0.025	mg/L		11/02/21 13:25	11/03/21 08:47	1
Silver	ND		0.040	0.00094	mg/L		11/02/21 13:25	11/03/21 08:47	1

Lab Sample ID: LCS 550-257536/2-A
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	4.97		mg/L		99	89 - 111
Barium	5.00	4.83		mg/L		97	87 - 114
Cadmium	5.00	4.89		mg/L		98	90 - 110
Chromium	5.00	4.71		mg/L		94	86 - 112
Lead	5.00	4.86		mg/L		97	89 - 115
Selenium	5.00	5.08		mg/L		102	92 - 120
Silver	0.375	0.345		mg/L		92	80 - 113

Lab Sample ID: LCSD 550-257536/3-A
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.00	4.90		mg/L		98	89 - 111	1	20

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 550-257536/3-A
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	5.00	4.79		mg/L		96	87 - 114	1	20
Cadmium	5.00	4.84		mg/L		97	90 - 110	1	20
Chromium	5.00	4.67		mg/L		93	86 - 112	1	20
Lead	5.00	4.82		mg/L		96	89 - 115	1	20
Selenium	5.00	5.01		mg/L		100	92 - 120	1	20
Silver	0.375	0.341		mg/L		91	80 - 113	1	20

Lab Sample ID: LB 550-257445/1-B
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 257536

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.027	mg/L		11/02/21 13:25	11/03/21 09:03	1
Barium	0.0603	E4	0.50	0.0066	mg/L		11/02/21 13:25	11/03/21 09:03	1
Cadmium	ND		0.10	0.0035	mg/L		11/02/21 13:25	11/03/21 09:03	1
Chromium	ND		0.25	0.0046	mg/L		11/02/21 13:25	11/03/21 09:03	1
Lead	ND		0.10	0.020	mg/L		11/02/21 13:25	11/03/21 09:03	1
Selenium	ND		0.10	0.025	mg/L		11/02/21 13:25	11/03/21 09:03	1
Silver	ND		0.040	0.00094	mg/L		11/02/21 13:25	11/03/21 09:03	1

Lab Sample ID: 550-173321-1 MS
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP
Prep Batch: 257536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		5.00	5.05		mg/L		101	75 - 125
Barium	0.60	B	5.00	5.33		mg/L		95	75 - 125
Cadmium	ND		5.00	4.88		mg/L		98	75 - 125
Chromium	ND		5.00	4.60		mg/L		92	75 - 125
Lead	ND		5.00	4.67		mg/L		93	75 - 125
Selenium	ND		5.00	5.06		mg/L		101	75 - 125
Silver	ND		0.375	0.342		mg/L		91	75 - 125

Lab Sample ID: 550-173321-1 MSD
Matrix: Solid
Analysis Batch: 257611

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP
Prep Batch: 257536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		5.00	5.04		mg/L		101	75 - 125	0	20
Barium	0.60	B	5.00	5.49		mg/L		98	75 - 125	3	20
Cadmium	ND		5.00	4.88		mg/L		98	75 - 125	0	20
Chromium	ND		5.00	4.67		mg/L		93	75 - 125	1	20
Lead	ND		5.00	4.74		mg/L		95	75 - 125	1	20
Selenium	ND		5.00	5.12		mg/L		102	75 - 125	1	20
Silver	ND		0.375	0.349		mg/L		93	75 - 125	2	20

QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 550-257562/1-A
Matrix: Solid
Analysis Batch: 257588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.000080	mg/L		11/02/21 16:16	11/02/21 20:59	1

Lab Sample ID: LCS 550-257562/2-A
Matrix: Solid
Analysis Batch: 257588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00438		mg/L		88	80 - 120

Lab Sample ID: LCSD 550-257562/3-A
Matrix: Solid
Analysis Batch: 257588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 257562

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00500	0.00432		mg/L		86	80 - 120	1	20

Lab Sample ID: LB 550-257445/1-C
Matrix: Solid
Analysis Batch: 257588

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 257562

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.000080	mg/L		11/02/21 16:16	11/02/21 21:11	1

Lab Sample ID: 550-173321-1 MS
Matrix: Solid
Analysis Batch: 257588

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP
Prep Batch: 257562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00500	0.00440		mg/L		88	75 - 125

Lab Sample ID: 550-173321-1 MSD
Matrix: Solid
Analysis Batch: 257588

Client Sample ID: ETI-1-U-20211028
Prep Type: TCLP
Prep Batch: 257562

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00456		mg/L		91	75 - 125	4	20

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

GC/MS VOA

Leach Batch: 257441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	1311	
MB 550-257441/1-A	Method Blank	TCLP	Solid	1311	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	1311	
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	1311	

Analysis Batch: 257507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	8260B	257441
MB 550-257441/1-A	Method Blank	TCLP	Solid	8260B	257441
LCS 550-257507/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 550-257507/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	8260B	257441
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	8260B	257441

GC/MS Semi VOA

Leach Batch: 257445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	1311	
LB 550-257445/1-D	Method Blank	TCLP	Solid	1311	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	1311	
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	1311	

Prep Batch: 257593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	3510C	257445
LB 550-257445/1-D	Method Blank	TCLP	Solid	3510C	257445
MB 550-257593/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 550-257593/4-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 550-257593/5-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	3510C	257445
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	3510C	257445

Analysis Batch: 258093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	8270C	257593
LB 550-257445/1-D	Method Blank	TCLP	Solid	8270C	257593
MB 550-257593/1-A	Method Blank	Total/NA	Solid	8270C	257593
LCS 550-257593/4-A	Lab Control Sample	Total/NA	Solid	8270C	257593
LCSD 550-257593/5-A	Lab Control Sample Dup	Total/NA	Solid	8270C	257593
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	8270C	257593
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	8270C	257593

HPLC/IC

Leach Batch: 258101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	Soluble	Solid	DI Leach	
MB 550-258101/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 550-258101/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 550-258101/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
550-173321-1 MS	ETI-1-U-20211028	Soluble	Solid	DI Leach	

Eurofins TestAmerica, Phoenix

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

HPLC/IC (Continued)

Leach Batch: 258101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1 MSD	ETI-1-U-20211028	Soluble	Solid	DI Leach	

Analysis Batch: 258300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	Soluble	Solid	314.0	258101
MB 550-258101/1-A	Method Blank	Soluble	Solid	314.0	258101
LCS 550-258101/2-A	Lab Control Sample	Soluble	Solid	314.0	258101
LCSD 550-258101/3-A	Lab Control Sample Dup	Soluble	Solid	314.0	258101
MRL 550-258300/1003	Lab Control Sample	Total/NA	Solid	314.0	
550-173321-1 MS	ETI-1-U-20211028	Soluble	Solid	314.0	258101
550-173321-1 MSD	ETI-1-U-20211028	Soluble	Solid	314.0	258101

Metals

Leach Batch: 257445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	1311	
LB 550-257445/1-B	Method Blank	TCLP	Solid	1311	
LB 550-257445/1-C	Method Blank	TCLP	Solid	1311	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	1311	
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	1311	

Prep Batch: 257536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	3010A	257445
LB 550-257445/1-B	Method Blank	TCLP	Solid	3010A	257445
MB 550-257536/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 550-257536/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 550-257536/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	3010A	257445
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	3010A	257445

Prep Batch: 257562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	7470A	257445
LB 550-257445/1-C	Method Blank	TCLP	Solid	7470A	257445
MB 550-257562/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 550-257562/2-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 550-257562/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	7470A	257445
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	7470A	257445

Analysis Batch: 257588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	7470A	257562
LB 550-257445/1-C	Method Blank	TCLP	Solid	7470A	257562
MB 550-257562/1-A	Method Blank	Total/NA	Solid	7470A	257562
LCS 550-257562/2-A	Lab Control Sample	Total/NA	Solid	7470A	257562
LCSD 550-257562/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	257562
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	7470A	257562
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	7470A	257562

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Metals

Analysis Batch: 257611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	TCLP	Solid	6010B	257536
LB 550-257445/1-B	Method Blank	TCLP	Solid	6010B	257536
MB 550-257536/1-A	Method Blank	Total/NA	Solid	6010B	257536
LCS 550-257536/2-A	Lab Control Sample	Total/NA	Solid	6010B	257536
LCSD 550-257536/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	257536
550-173321-1 MS	ETI-1-U-20211028	TCLP	Solid	6010B	257536
550-173321-1 MSD	ETI-1-U-20211028	TCLP	Solid	6010B	257536

General Chemistry

Analysis Batch: 258126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173321-1	ETI-1-U-20211028	Total/NA	Solid	1030	

Lab Chronicle

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Client Sample ID: ETI-1-U-20211028

Lab Sample ID: 550-173321-1

Date Collected: 10/28/21 12:30

Matrix: Solid

Date Received: 10/29/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			257441	11/01/21 16:08	GLW	TAL PHX
TCLP	Analysis	8260B		1	257507	11/02/21 14:27	TC1	TAL PHX
TCLP	Leach	1311			257445	11/01/21 16:11	GLW	TAL PHX
TCLP	Prep	3510C			257593	11/03/21 07:55	HKT	TAL PHX
TCLP	Analysis	8270C		1	258093	11/09/21 21:01	TC1	TAL PHX
Soluble	Leach	DI Leach			258101	11/09/21 13:31	RDC	TAL PHX
Soluble	Analysis	314.0		200	258300	11/11/21 10:52	RDC	TAL PHX
TCLP	Leach	1311			257445	11/01/21 16:11	GLW	TAL PHX
TCLP	Prep	3010A			257536	11/02/21 13:25	GLW	TAL PHX
TCLP	Analysis	6010B		1	257611	11/03/21 09:05	MGM	TAL PHX
TCLP	Leach	1311			257445	11/01/21 16:11	GLW	TAL PHX
TCLP	Prep	7470A			257562	11/02/21 16:16	SRR	TAL PHX
TCLP	Analysis	7470A		1	257588	11/02/21 21:13	SRR	TAL PHX
Total/NA	Analysis	1030		1	258126	11/09/21 15:40	MEG	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Laboratory: Eurofins TestAmerica, Phoenix

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	154268	10-30-21 *
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-30-21 *
Arizona	State	AZ0728	06-10-22
California	State	2941	06-10-22
Nevada	State	AZ1030	07-31-22
Oregon	NELAP	AZ100001	03-09-22
USDA	US Federal Programs	P330-19-00227	08-27-22

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173321-1
SDG: NERT

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PHX
314.0	Perchlorate (IC)	EPA	TAL PHX
6010B	Metals (ICP)	SW846	TAL PHX
7470A	Mercury (CVAA)	SW846	TAL PHX
1030	Ignitability, Solids	SW846	TAL PHX
1311	TCLP Extraction	SW846	TAL PHX
3010A	Preparation, Total Metals	SW846	TAL PHX
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL PHX
5030B	Purge and Trap	SW846	TAL PHX
7470A	Preparation, Mercury	SW846	TAL PHX
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL PHX

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 550-173321-1

SDG Number: NERT

Login Number: 173321

List Source: Eurofins TestAmerica, Phoenix

List Number: 1

Creator: Gravlin, Andrea

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-173320-2
Laboratory Sample Delivery Group: NERT
Client Project/Site: NERT

For:
Envirogen Technologies Inc
250 Phillips Blvd
Suite 255
Ewing, New Jersey 08618

Attn: Wendy Prescott



Authorized for release by:
2/22/2022 5:39:01 PM

Rachel Sester, Project Manager I
(602)659-7615
Rachel.Sester@Eurofinset.com

LINKS

Review your project
results through
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Have a Question?



Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Job ID: 550-173320-2

Laboratory: Eurofins Phoenix

Narrative

**Job Narrative
550-173320-2**

Comments

No additional comments.

Receipt

The sample was received on 10/29/2021 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

HPLC/IC

Method 314.0: Perchlorate was requested for the following sample after the holding time had exceeded: ETI-1-U-20211027 (550-173320-1). The laboratory proceeded with the analysis and the result has been qualified with a H flag.

Method 314.0: Due to the high concentration of Perchlorate, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 550-266802 and analytical batch 550-266868 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Sample Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-173320-1	ETI-1-U-20211027	Solid	10/27/21 11:30	10/29/21 10:00

- 1
- 2
- 3
- 4
- 5
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- 12
- 13

Detection Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perchlorate	30	H	2.0	0.55	mg/Kg	200		314.0	Soluble

- 1
- 2
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This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	30	H	2.0	0.55	mg/Kg			02/19/22 22:15	200

- 1
- 2
- 3
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QC Sample Results

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MRL 550-266868/1003
Matrix: Solid
Analysis Batch: 266868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	1.00	1.05		ug/L		105	75 - 125

Lab Sample ID: MB 550-266802/1-A
Matrix: Solid
Analysis Batch: 266868

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.0098	0.0028	mg/Kg			02/19/22 21:07	1

Lab Sample ID: LCS 550-266802/2-A
Matrix: Solid
Analysis Batch: 266868

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.247	0.249		mg/Kg		101	85 - 115

Lab Sample ID: LCSD 550-266802/3-A
Matrix: Solid
Analysis Batch: 266868

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	0.249	0.256		mg/Kg		103	85 - 115	3	15

Lab Sample ID: 550-173320-1 MS
Matrix: Solid
Analysis Batch: 266868

Client Sample ID: ETI-1-U-20211027
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	30	H	0.248	30.5	4	mg/Kg		35	80 - 120

Lab Sample ID: 550-173320-1 MSD
Matrix: Solid
Analysis Batch: 266868

Client Sample ID: ETI-1-U-20211027
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	30	H	0.249	29.3	4	mg/Kg		-475	80 - 120	4	15

QC Association Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

HPLC/IC

Leach Batch: 266802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Soluble	Solid	DI Leach	
MB 550-266802/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 550-266802/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 550-266802/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
550-173320-1 MS	ETI-1-U-20211027	Soluble	Solid	DI Leach	
550-173320-1 MSD	ETI-1-U-20211027	Soluble	Solid	DI Leach	

Analysis Batch: 266868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-173320-1	ETI-1-U-20211027	Soluble	Solid	314.0	266802
MB 550-266802/1-A	Method Blank	Soluble	Solid	314.0	266802
LCS 550-266802/2-A	Lab Control Sample	Soluble	Solid	314.0	266802
LCSD 550-266802/3-A	Lab Control Sample Dup	Soluble	Solid	314.0	266802
MRL 550-266868/1003	Lab Control Sample	Total/NA	Solid	314.0	
550-173320-1 MS	ETI-1-U-20211027	Soluble	Solid	314.0	266802
550-173320-1 MSD	ETI-1-U-20211027	Soluble	Solid	314.0	266802

Lab Chronicle

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Client Sample ID: ETI-1-U-20211027

Lab Sample ID: 550-173320-1

Date Collected: 10/27/21 11:30

Matrix: Solid

Date Received: 10/29/21 10:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Soluble	Leach	DI Leach			266802	02/18/22 14:51	RDC	TAL PHX
Soluble	Analysis	314.0		200	266868	02/19/22 22:15	RDC	TAL PHX

Laboratory References:

TAL PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

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Accreditation/Certification Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Laboratory: Eurofins Phoenix

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	154268	11-01-23
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	11-01-23
Arizona	State	AZ0728	06-10-22
California	State	2941	06-10-22
Nevada	State	AZ1030	07-31-22
Oregon	NELAP	AZ100001	03-09-22
USDA	US Federal Programs	P330-19-00227	08-27-22

Method Summary

Client: Envirogen Technologies Inc
Project/Site: NERT

Job ID: 550-173320-2
SDG: NERT

Method	Method Description	Protocol	Laboratory
314.0	Perchlorate (IC)	EPA	TAL PHX
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL PHX

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

TAL PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

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Login Sample Receipt Checklist

Client: Envirogen Technologies Inc

Job Number: 550-173320-2

SDG Number: NERT

Login Number: 173320

List Number: 1

Creator: Gravlin, Andrea

List Source: Eurofins Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Attachment 2

Waste Profile

Special Waste Profile



Disposal Facility:

Waste Profile #:

Sales Rep #:

I. Generator Information

Generator Name:

Generator Site Address:

City: County: State: Zip:

State ID/Reg No: State Approval/Waste Code: NAICS #:

Generator Mailing Address (if different)

City: County: State: Zip:

Generator Contact Name: Email:

Phone Number: Ext: Fax Number:

II. Billing Information

Bill To: Contact Name:

Billing Address: Email:

City: State: Zip: Phone:

III. Waste Stream Information

Name of Waste:

Process Generating Waste:

Type of Waste: Physical State: Method of Shipment:

Estimated Volume: Volume Type:

Frequency: Disposal Consideration:

IV. Representative Sample Certification

No Sample Taken

Sample Taken Type of Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? Yes No

Sample Date: Sample ID Numbers or SDS:

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%):

% By Weight (out of 100% - ranges acceptable):

1.	non-hazardous waste	100
2.		
3.		
4.		
5.		

Color: Odor (describe): Does Waste Contain Free Liquids? Yes No % Solids: pH: Flash Point: °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

- Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? Yes No
- Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]? Yes No
- Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? Yes No
- Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? Yes No
- Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register. Yes No
- Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both?
- Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? Yes No
- Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? Yes No
- Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? Yes No
- Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.

Republic Services Waste Handling Questions

- Does this waste generate heat or react when contacted with water/moisture? Yes No
- Does the waste contain sulfur or sulfur by-products? Yes No
- Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA? Yes No
- Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)? Yes No
- If yes to the above question, please provide clarification.

VI. Certification

I hereby certify that I have knowledge about the waste material being offered for disposal ("Waste") and have the requisite authority to bind the Generator to the information contained in this Special Waste Profile ("Profile"). I further certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the Waste and all known or suspected hazards have been disclosed. All Analytical Results/Safety Data Sheets submitted are truthful and complete and are representative of the Waste.

I further certify that by utilizing this Profile, neither myself nor any other employee or representative of the company identified below ("Company") will deliver for disposal or attempt to deliver for disposal any Waste that: (i) is classified as toxic waste, hazardous waste or infectious waste; (ii) that does not conform to this Profile; or (iii) that this Disposal Facility is prohibiting from accepting by law. I shall immediately give written notice of any change or condition pertaining to the Waste not provided herein. Our Company hereby agrees to fully indemnify this Disposal Facility against any damages resulting from this Profile or Certification being inaccurate or untrue.

I understand that by attaching an electronic signature, I am signing this document and Company consents to complete this transaction and receive all related communications electronically, and agrees this document will be binding as though it had been physically signed. A printout of this Profile may be accepted with the same authority as the original.

Wendy Prescott

Authorized Representative Name
(Printed)

Project Manager

Title
(Printed)

Envirogen Technologies

Company Name

Representative Signature

12-16-21

Date



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
 If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-s)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NA		c. Page 1 of 1	
d. Generator's Information: NERT 510 S. Fourth Street. Henderson, NV h. County: Clark			e. Billing Information: Envirogen Technologies 510 S. Fourth Street Henderson, NV 89015 g. Phone:702-371-9307		
Generator site location (if different):			j. Phone No.:		
i. Site Location:			j. Phone No.:		
k. Waste Profile #	l. Exp. Date	m. Waste Shipping Name and Description	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
3825 22 0132	12/16/2022	Non Hazardous soil-I S area		1.15	T
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
Wendy Prescott c. Generator Authorized Agent Name (Print)		John Sney r. Signature		1/11/22 s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Republic Services b. W. Cheyenne c. N. Las Vegas, NV b. Phone: 702			
c. Driver Name (Print) <i>John Logans</i>		d. Signature <i>[Signature]</i>	e. Date <i>1/10/22</i>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Apex Regional Landfill b. 13550 US Hwy 93 North c. Las Vegas, NV 89029 b. Phone: 702-280-0069		c. US EPA #:N/A	d. Discrepancy Indication Space:
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	g. Date <i>1/10/22</i>

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address: THIS SECTION IS NOT APPLICABLE (NOT ASBESTOS)		c. Responsible Agency Name and Address: THIS SECTION IS NOT APPLICABLE (NOT ASBESTOS)	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
		i. Date	
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			