Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
25W 505 West Lake Street

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97339 (Decimal Degrees) Longitude: -88.12281 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 15

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97339 Longitude: - 88.12281

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION 3068V-10-B01 WAS SAMPLED ADJACENT TO SITES 3068V-9 AND 3068V-10. SEE TABLE 3c AND FIGURE 2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207564-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Andrews Engineering, Inc.

Street Address: 420 Eisenhower Lane North

City: Lombard State: IL Zip Code: 60148

Phone: 630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-10
Residence

Sample ID	3068V-10-B01		**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3						
Sample Date	10/27/2021						
PID	0						
Sample pH	8.4		[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
Matrix	Soil						
Semivolatile Organic Compounds (mg/kg)							
Benzo(a)pyrene	**0.18**	**1,2**	0.09	0.09	0.98	1.3	2.1

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207564-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:38:04 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample ID: 3068V-10-B01
Date Collected: 10/27/21 09:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207564-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00065	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00087	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,1-Dichloroethene	<0.0020		0.0020	0.00070	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,2-Dichloroethane	<0.0051		0.0051	0.0016	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00071	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
2-Butanone (MEK)	<0.0051		0.0051	0.0022	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0015	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Acetone	<0.020		0.020	0.0088	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Benzene	<0.0020		0.0020	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Bromoform	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Bromomethane	<0.0051	*+	0.0051	0.0019	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Carbon disulfide	<0.0051		0.0051	0.0011	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Carbon tetrachloride	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Chlorobenzene	<0.0020		0.0020	0.00075	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Chloroethane	<0.0051	*+	0.0051	0.0015	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Chloroform	<0.0020		0.0020	0.00070	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Chloromethane	<0.0051		0.0051	0.0020	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Dibromochloromethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Ethylbenzene	<0.0020		0.0020	0.00097	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Methylene Chloride	<0.0051		0.0051	0.0020	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Styrene	<0.0020		0.0020	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Tetrachloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00090	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00071	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Vinyl chloride	<0.0020		0.0020	0.00090	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1
Xylenes, Total	<0.0040		0.0040	0.00065	mg/Kg	☼	10/28/21 18:00	11/03/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*10/28/21 18:00*	*11/03/21 17:07*	*1*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*10/28/21 18:00*	*11/03/21 17:07*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*10/28/21 18:00*	*11/03/21 17:07*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*10/28/21 18:00*	*11/03/21 17:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1

Client Sample ID: 3068V-10-B01
Date Collected: 10/27/21 09:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207564-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Acenaphthene	**0.0076**	**J**	0.037	0.0068	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Anthracene	**0.023**	**J**	0.037	0.0063	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Benzo[a]anthracene	**0.14**		0.037	0.0051	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Benzo[a]pyrene	**0.18**	***3**	0.037	0.0073	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Benzo[b]fluoranthene	**0.32**	***3**	0.037	0.0081	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Benzo[g,h,i]perylene	**0.10**	***3**	0.037	0.012	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Benzo[k]fluoranthene	**0.13**	***3**	0.037	0.011	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Chrysene	**0.16**		0.037	0.010	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Dibenz(a,h)anthracene	**0.019**	**J *3**	0.037	0.0073	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Fluoranthene	**0.26**		0.037	0.0070	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Fluorene	**0.0069**	**J**	0.037	0.0053	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1

Client Sample ID: 3068V-10-B01
Date Collected: 10/27/21 09:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207564-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.099	*3	0.037	0.0098	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Phenanthrene	0.12		0.037	0.0053	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1
Pyrene	0.37		0.037	0.0075	mg/Kg	☼	11/01/21 20:00	11/10/21 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*52*		*31 - 143*	*11/01/21 20:00*	*11/10/21 17:10*	*1*
2-Fluorobiphenyl	*66*		*43 - 145*	*11/01/21 20:00*	*11/10/21 17:10*	*1*
2-Fluorophenol	*86*		*31 - 166*	*11/01/21 20:00*	*11/10/21 17:10*	*1*
Nitrobenzene-d5 (Surr)	*55*		*37 - 147*	*11/01/21 20:00*	*11/10/21 17:10*	*1*
Phenol-d5	*71*		*30 - 153*	*11/01/21 20:00*	*11/10/21 17:10*	*1*
Terphenyl-d14 (Surr)	*109*		*42 - 157*	*11/01/21 20:00*	*11/10/21 17:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.65	J	1.1	0.22	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Arsenic	9.1		0.57	0.19	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Barium	60		0.57	0.065	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Beryllium	0.77		0.23	0.053	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Boron	6.6	B	2.8	0.26	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Cadmium	0.19	B	0.11	0.020	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Calcium	47000		57	9.6	mg/Kg	☼	11/08/21 11:07	11/10/21 13:48	5
Chromium	15		0.57	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Cobalt	12		0.28	0.074	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Copper	28		0.57	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Iron	19000		11	5.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Lead	36		0.28	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Magnesium	23000		5.7	2.8	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Manganese	520	B	0.57	0.082	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Nickel	28		0.57	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Potassium	1500		28	10	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Selenium	0.57		0.57	0.33	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Silver	0.25	J	0.28	0.073	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Sodium	470		57	8.4	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Thallium	0.32	J	0.57	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Vanadium	21		0.28	0.067	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1
Zinc	89		1.1	0.50	mg/Kg	☼	11/08/21 11:07	11/09/21 17:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/21 07:52	11/03/21 19:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:52	11/03/21 19:13	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:13	1
Iron	<0.40		0.40	0.20	mg/L		11/03/21 07:52	11/03/21 19:13	1

Client Sample ID: 3068V-10-B01
Date Collected: 10/27/21 09:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207564-1
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 19:13	1
Manganese	**0.49**		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:13	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.070**		0.050	0.010	mg/L		11/03/21 07:55	11/04/21 14:25	1
Barium	**0.50**		0.50	0.050	mg/L		11/03/21 07:55	11/04/21 14:25	1
Beryllium	**0.0068**		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 14:25	1
Boron	**0.13**		0.10	0.050	mg/L		11/03/21 07:55	11/04/21 14:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 14:25	1
Calcium	**27**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:25	1
Chromium	**0.13**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:25	1
Cobalt	**0.044**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:25	1
Iron	**160**		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 14:25	1
Lead	**0.14**		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 14:25	1
Manganese	**0.97**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:25	1
Nickel	**0.16**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:25	1
Potassium	**22**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:25	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 14:25	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:25	1
Zinc	**0.59**		0.50	0.020	mg/L		11/03/21 07:55	11/04/21 14:25	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:52	11/16/21 15:29	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 20:30	1
Thallium	**0.0050**		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 20:30	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 11:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.019	0.0063	mg/Kg	☼	11/05/21 13:35	11/08/21 07:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.26		0.26	0.13	mg/Kg	☼	11/09/21 14:23	11/09/21 16:48	1
pH	**8.4**		0.2	0.2	SU			11/01/21 19:27	1

Definitions/Glossary

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207564-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207564-1

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

CHAIN OF CUSTODY RECORD

ANDREWS ENGINEERING

Client Contact	Laboratory	
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com	Project Name AE7 – 040A (500-207564 COC) Project No PTB/WO: 184-006/040A TAT ☒ 15 BD ☐ 10 BD ☐ 5 BD ☐ 2 BD ____ Other **Sampler:** S. Khodaei

COC No 1 of 1

Lab Job No 500-207564

Sample Temp 1.4

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-10-B01	10/27	0910	S	X	X					X	X	X	X	X					

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10-28-21 9:45A
Relinquished by	Date/Time 10/28/21 9:45A	Received by	Date/Time 10/28/21 0945
Relinquished by	Date/Time 10/28/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
25W 479 and 25W 501 West Lake Street and 6N 650 Thorn Road

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97319 (Decimal Degrees) Longitude: -88.12235 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 57

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97319 Longitude: - 88.12235

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION 3068V-11-B01 WAS SAMPLED ADJACENT TO SITE 3068V-11. SEE TABLE 3d AND FIGURE 2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207566-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-11
Residence

Sample ID	3068V-11-B01	**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3					
Sample Date	10/27/2021	[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
PID	0					
Sample pH	7.8					
Matrix	Soil					
No Contaminants of Concern Noted.						

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207566-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:39:56 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample ID: 10638-44-V04
Date Collected: 10/27/21 0/:00
Date Received: 10/23/21 40:50

Lab Sample ID: 500-207566-4
Matrix: Solid
Percent Solids: 34.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0023		0.0023	0.00077	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,1,2,2-Tetrachloroethane	<0.0023		0.0023	0.00073	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,1,2-Trichloroethane	<0.0023		0.0023	0.00098	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,1-Dichloroethane	<0.0023		0.0023	0.00078	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,1-Dichloroethene	<0.0023		0.0023	0.00079	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,2-Dichloroethane	<0.0057		0.0057	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,2-Dichloropropane	<0.0023		0.0023	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
1,3-Dichloropropene, Total	<0.0023		0.0023	0.00080	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
2-Butanone (MEK)	<0.0057		0.0057	0.0025	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
2-Hexanone	<0.0057		0.0057	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
4-Methyl-2-pentanone (MIBK)	<0.0057		0.0057	0.0017	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Acetone	<0.023		0.023	0.010	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Benzene	<0.0023		0.0023	0.00058	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Bromodichloromethane	<0.0023		0.0023	0.00047	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Bromoform	<0.0023		0.0023	0.00067	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Bromomethane	<0.0057	*+	0.0057	0.0022	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Carbon disulfide	<0.0057		0.0057	0.0012	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Carbon tetrachloride	<0.0023		0.0023	0.00066	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Chlorobenzene	<0.0023		0.0023	0.00085	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Chloroethane	<0.0057	*+	0.0057	0.0017	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Chloroform	<0.0023		0.0023	0.00079	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Chloromethane	<0.0057		0.0057	0.0023	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
cis-1,2-Dichloroethene	<0.0023		0.0023	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
cis-1,3-Dichloropropene	<0.0023		0.0023	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Dibromochloromethane	<0.0023		0.0023	0.00075	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Ethylbenzene	<0.0023		0.0023	0.0011	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Methyl tert-butyl ether	<0.0023		0.0023	0.00067	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Methylene Chloride	<0.0057		0.0057	0.0023	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Styrene	<0.0023		0.0023	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Tetrachloroethene	<0.0023		0.0023	0.00078	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Toluene	<0.0023		0.0023	0.00058	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
trans-1,2-Dichloroethene	<0.0023		0.0023	0.0010	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
trans-1,3-Dichloropropene	<0.0023		0.0023	0.00080	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Trichloroethene	<0.0023		0.0023	0.00077	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Vinyl chloride	<0.0023		0.0023	0.0010	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1
Xylenes, Total	<0.0046		0.0046	0.00073	mg/Kg	☼	10/28/21 18:00	11/03/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*30 - 174*	*10/28/21 18:00*	*11/07/21 13:77*	*1*
4-Bromofluorobenzene (Surr)	*92*		*35 - 171*	*10/28/21 18:00*	*11/07/21 13:77*	*1*
Dibromofluoromethane	*100*		*35 - 126*	*10/28/21 18:00*	*11/07/21 13:77*	*1*
Toluene-d8 (Surr)	*96*		*35 - 124*	*10/28/21 18:00*	*11/07/21 13:77*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1

Client Sample ID: 10638-44-V04
Date Collected: 10/27/21 0/:00
Date Received: 10/23/21 40:50

Lab Sample ID: 500-207566-4
Batrix: Solid
Percent Solids: 34.2

Method: 3270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Benzo[a]anthracene	**0.027**	]	0.040	0.0054	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Benzo[a]pyrene	**0.013**	] *1	0.040	0.0078	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Benzo[b]fluoranthene	**0.072**	*1	0.040	0.0087	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Benzo[g,h,i]perylene	**0.022**	] *1	0.040	0.013	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Benzo[k]fluoranthene	**0.021**	] *1	0.040	0.012	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Chrysene	**0.014**	]	0.040	0.011	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Dibenz(a,h)anthracene	<0.040	*3	0.040	0.0078	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Fluoranthene	**0.3**	]	0.040	0.0074	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207566-1

Client Sample ID: 10638-44-V04
Date Collected: 10/27/21 0/:00
Date Received: 10/23/21 10:50

Lab Sample ID: 500-207566-4
Matrix: Solid
Percent Solids: 84.2

Method: 3270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.021	J *1	0.040	0.010	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Phenanthrene	0.024	J	0.040	0.0056	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1
Pyrene	0.071		0.040	0.0080	mg/Kg	☼	11/01/21 20:00	11/10/21 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*71 - 147*	*11/01/21 20:00*	*11/10/21 13:70*	*1*
2-Fluorobiphenyl	*31*		*47 - 145*	*11/01/21 20:00*	*11/10/21 13:70*	*1*
2-Fluorophenol	*86*		*71 - 166*	*11/01/21 20:00*	*11/10/21 13:70*	*1*
Nitrobenzene-d5 (Surr)	*62*		*73 - 143*	*11/01/21 20:00*	*11/10/21 13:70*	*1*
Phenol-d5	*31*		*70 - 157*	*11/01/21 20:00*	*11/10/21 13:70*	*1*
Terphenyl-d14 (Surr)	*122*		*42 - 153*	*11/01/21 20:00*	*11/10/21 13:70*	*1*

Method: 6040V - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.65	J	1.1	0.22	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Arsenic	4.4		0.57	0.20	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Barium	70		0.57	0.065	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Beryllium	0.24		0.23	0.053	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Boron	3.7	V	2.9	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Cadmium	0.41	V	0.11	0.021	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Calcium	1500		11	1.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Chromium	4.1		0.57	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Cobalt	4.3		0.29	0.075	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Copper	2.1		0.57	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Iron	2.000		11	5.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Lead	61		0.29	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Magnesium	1600		5.7	2.8	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Manganese	5.0	V	0.57	0.083	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Nickel	12		0.57	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Potassium	4700		29	10	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Selenium	0.71	J	0.57	0.34	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Silver	0.10		0.29	0.074	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Sodium	150		57	8.4	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Thallium	0.13	J	0.57	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Vanadium	26		0.29	0.067	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1
Zinc	430		1.1	0.50	mg/Kg	☼	11/08/21 11:07	11/09/21 17:25	1

Method: 6040V - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/21 07:52	11/03/21 19:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:52	11/03/21 19:17	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:17	1
Iron	<0.40		0.40	0.20	mg/L		11/03/21 07:52	11/03/21 19:17	1

Client Sample Results

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207566-1

Client Sample ID: 10638-44-V04
Date Collected: 10/27/2021 0/:00
Date Received: 10/23/2021 40:50

Lab Sample ID: 500-207566-4
Batrix: Solid
Percent Solids: 34.2

Method: 6040V - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 19:17	1
Manganese	0.067		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:17	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:17	1

Method: 6040V - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.007		0.050	0.010	mg/L		11/03/21 07:55	11/04/21 14:28	1
Barium	0.62		0.50	0.050	mg/L		11/03/21 07:55	11/04/21 14:28	1
Beryllium	0.0075		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 14:28	1
Boron	0.45		0.10	0.050	mg/L		11/03/21 07:55	11/04/21 14:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 14:28	1
Calcium	43		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:28	1
Chromium	0.45		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:28	1
Cobalt	0.7		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:28	1
Iron	430		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 14:28	1
Lead	0.45		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 14:28	1
Manganese	4.7		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:28	1
Nickel	0.20		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:28	1
Potassium	27		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:28	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 14:28	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:28	1
Zinc	0.53		0.50	0.020	mg/L		11/03/21 07:55	11/04/21 14:28	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:52	11/16/21 15:35	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 20:32	1
Thallium	0.10		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 20:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 11:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.019	0.0064	mg/Kg	☼	11/05/21 13:35	11/08/21 07:25	1

General Chemistry

Analyte	Result	Qualifier	RL	BDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.14	J	0.29	0.15	mg/Kg	☼	11/09/21 14:23	11/09/21 16:50	1
pH	7.3		0.2	0.2	SU			11/01/21 19:29	1

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	L1 / aeAjodL1 / D lwourwlAi aggi praegi Cmlnw, hlEh blawi Ac

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	l/ OD d wpoewi odd ri erloe rlmi ourwlAi aggi prabC Cmlnwc
J	Ri wuClwCwwrhae rhi RL bunEd ari drhae odi quaCro rhi MDL aeA rhi goegi erdarloe lwae appdbxlmari vaQi c

Metals

Qualifier	Qualifier Description
B	1 ompoueA r awfoueA le rhi bQek aeA wampCc
J	Ri wuClwCwwrhae rhi RL bunEd ari drhae odi quaCro rhi MDL aeA rhi goegi erdarloe lwae appdbxlmari vaQi c

General CTemistry

Qualifier	Qualifier Description
J	Ri wuClwCwwrhae rhi RL bunEd ari drhae odi quaCro rhi MDL aeA rhi goegi erdarloe lwae appdbxlmari vaQi c

Glossary

Abbreviation	hTese commonly used abbreviations may or may not be present in tTis report.
¤	Llwri A ueAi drhi "D" goQme ro Ai wlEeari rhanrhi d wuClwd podri A oe a Ady r i lEhnbawlw
%R	. i dgi enRi govi dy
1 FL	1 oeralewFd i LlqulA
1 FU	1 oCey FodmleE Ueln
1 NF	1 oeralewNo Fd i LlqulA
Ds R	DupQgari s dbdRarlo (eodmaCzi A abwoQri Alffi d egi)
DlCFag	DlQrloe Fagrod
DL	Di ri grloe Llmln(DoDjDSs)
DL, Rt , Rs , IN	leAlgari wa DlQrloe, Ri -aeaQwlw, Ri -i xrdagrloe, odaAAlrloeaCleIrlaCmi raQjaeloe aeaQwlwof rhi wampC
DL1	Di glwloe Li vi C1 oegi erdarloe (RaAloghi mlwrdy)
s DL	s wrlmari A Di ri grloe Llmln(Dloxle)
LS D	Llmlnof Di ri grloe (DoDjDSs)
LS Q	Llmlnof Quaerlrarloe (DoDjDSs)
M1 L	s . t d gommi eAi A "Maxlmum 1 oeramleaenLi vi C
MDt	Mlelmum Di ri grabC t grlvlry (RaAloghi mlwrdy)
MD1	Mlelmum Di ri grabC 1 oegi erdarloe (RaAloghi mlwrdy)
MDL	Mi rhoA Di ri grloe Llmln
ML	Mlelmum Li vi C(Dloxle)
M. N	Mown. dbbabC Numbi d
MQL	Mi rhoA Quaerlrarloe Llmln
N1	Non1 aQuQari A
ND	NonDi ri gri A anrhi d podleE Cmln(odMDL ods DL lf whor e)
Ns G	Ni Earlvi j t bwi en
. S/	. owlrlvi j . d wi en
. QL	. dagrlgaCQuaerlrarloe Llmln
. Rs/	. d wumprlvi
Q1	QuaCry 1 oerdbC
Rs R	Ri Qrlvi s dbdRarlo (RaAloghi mlwrdy)
RL	Ri podleE Llmlnod Ri qui wri A Llmln(RaAloghi mlwrdy)
R. D	Ri Qrlvi . i dgi enDlffi d egi , a mi awud of rhi d Qrlvi Alffi d egi bi rr i i e rr o polerw
Os F	Cbxlglry s qulvaCenFagrod(Dloxle)
Os Q	Cbxlglry s qulvaCenQuorli en(Dloxle)
ONO1	Cbo Numi obuwCb 1 ouen

Accreditation/Certification Summary

Client: Andrews Engineering Inc. Job ID: 500-207566-4
1roRectj/ ite: IDSO- AE7-0T0

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditationjcertification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELA1	IL00035	0T-29-22

Che following analytes are included in this report, but the laboratory is not certified by the governing authority. Chis list may include analytes for which the agency does not offer certification.

Analysis Method	1rep Method	Matrix	Analyte
6020A	3040A	/ olid	Antimony
6020A	3040A	/ olid	Challium
7T70A	7T70A	/ olid	Mercury
8260B	5035	/ olid	4,3-Dichloropropene, Ctal
Moisture		/ olid	1ercent Moisture
Moisture		/ olid	1ercent / olids

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

500-207566 COC

Client Contact	Laboratory	
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com	Project Name AE7- 040A Project No PTB/WO: 184-006/040A TAT ☒ 15 BD ☐ 10 BD ☐ 5 BD ☐ 2 BD ____ Other **Sampler:** S. Khodaei

COC No 1 of 1

Lab Job No 500-207566

Sample Temp 1,4

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	ANALYSES: VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-11-B01	10/27	0900	S	X	X					X	X	X	X	X					

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10-28-21 9:45
Relinquished by	Date/Time 10/28/21 9:45	Received by	Date/Time 10/28/21 0947
Relinquished by	Date/Time 10/21/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
25W 300-400 blocks of West Lake Street (south side of Lake Street between Thorn Road and Gary Avenue)

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97246 (Decimal Degrees) Longitude: -88.12097 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: 0434825048 BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 1,377

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97246 Longitude: - 88.12097

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS 3068V-12-B01, 3068V-12-B02, 3068V-12-B03, 3068V-12-B06 AND 3068V-12-B07 WERE SAMPLED ADJACENT TO SITE 3068V-12. SEE TABLE 3e AND FIGURES 2 AND 3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207560-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-12
Vacant Land

Sample ID	3068V-12-B01	3068V-12-B02	3068V-12-B03	3068V-12-B06	3068V-12-B07	**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3	0-3	0-3	0-7	0-7					
Sample Date	10/27/2021	10/27/2021	10/27/2021	10/27/2021	10/27/2021					
PID	0	0	0	0	0					
Sample pH	7.3	8.4	8.6	8.1	7.6	[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
Matrix	Soil	Soil	Soil	Soil	Soil					
No Contaminants of Concern Noted.										

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207560-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:36:43 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample ID: 3068V-12-B01
Date Collected: 10/27/21 09:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00065	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00062	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,2-Dichloropropane	<0.0020		0.0020	0.00050	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
2-Butanone (MEK)	<0.0049		0.0049	0.0022	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Acetone	<0.020		0.020	0.0085	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Bromomethane	<0.0049	*+	0.0049	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Chloroethane	<0.0049	*+	0.0049	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Ethylbenzene	<0.0020		0.0020	0.00093	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Tetrachloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00086	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Vinyl chloride	<0.0020		0.0020	0.00086	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/28/21 18:00	11/03/21 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*10/28/21 18:00*	*11/03/21 11:56*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*10/28/21 18:00*	*11/03/21 11:56*	*1*
Dibromofluoromethane	*96*		*75 - 126*	*10/28/21 18:00*	*11/03/21 11:56*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*10/28/21 18:00*	*11/03/21 11:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B01
Date Collected: 10/27/21 09:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,4-Dimethylphenol	<0.39	*-	0.39	0.15	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Benzo[a]anthracene	**0.027**	**J**	0.039	0.0053	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Benzo[a]pyrene	**0.036**	**J**	0.039	0.0077	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Benzo[b]fluoranthene	**0.050**		0.039	0.0086	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Benzo[g,h,i]perylene	**0.031**	**J**	0.039	0.013	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Benzo[k]fluoranthene	**0.024**	**J**	0.039	0.012	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Chrysene	**0.038**	**J**	0.039	0.011	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Fluoranthene	**0.060**		0.039	0.0073	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B01
Date Collected: 10/27/21 09:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.028	J	0.039	0.010	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Phenanthrene	0.023	J	0.039	0.0055	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1
Pyrene	0.054		0.039	0.0079	mg/Kg	☼	11/02/21 06:56	11/09/21 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*31 - 143*	*11/02/21 06:56*	*11/09/21 12:37*	*1*
2-Fluorobiphenyl	*80*		*43 - 145*	*11/02/21 06:56*	*11/09/21 12:37*	*1*
2-Fluorophenol	*101*		*31 - 166*	*11/02/21 06:56*	*11/09/21 12:37*	*1*
Nitrobenzene-d5 (Surr)	*75*		*37 - 147*	*11/02/21 06:56*	*11/09/21 12:37*	*1*
Phenol-d5	*94*		*30 - 153*	*11/02/21 06:56*	*11/09/21 12:37*	*1*
Terphenyl-d14 (Surr)	*86*		*42 - 157*	*11/02/21 06:56*	*11/09/21 12:37*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.2	0.23	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Arsenic	8.0		0.58	0.20	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Barium	120		0.58	0.066	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Beryllium	0.85		0.23	0.054	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Boron	3.0	B	2.9	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Calcium	3900		12	2.0	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Chromium	19		0.58	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Cobalt	12		0.29	0.076	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Copper	15		0.58	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Iron	21000		12	6.0	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Lead	21		0.29	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Magnesium	3900		5.8	2.9	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Manganese	700	B	0.58	0.084	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Nickel	25		0.58	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Potassium	1200		29	10	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Silver	0.37		0.29	0.075	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Sodium	350		58	8.6	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Vanadium	23		0.29	0.069	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1
Zinc	88		1.2	0.51	mg/Kg	☼	11/08/21 11:07	11/09/21 16:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:52	11/03/21 18:24	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 18:24	1
Iron	0.22	J	0.40	0.20	mg/L		11/03/21 07:52	11/03/21 18:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 18:24	1

Client Sample ID: 3068V-12-B01
Date Collected: 10/27/21 09:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.031		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 18:24	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		11/03/21 07:55	11/04/21 13:28	1
Barium	0.49	J	0.50	0.050	mg/L		11/03/21 07:55	11/04/21 13:28	1
Beryllium	0.0046		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 13:28	1
Boron	0.12		0.10	0.050	mg/L		11/03/21 07:55	11/04/21 13:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 13:28	1
Calcium	15		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:28	1
Chromium	0.11		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:28	1
Cobalt	0.017	J	0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:28	1
Iron	100		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 13:28	1
Lead	0.053		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 13:28	1
Manganese	0.59		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:28	1
Nickel	0.065		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:28	1
Potassium	18		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:28	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 13:28	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:28	1
Zinc	0.32	J	0.50	0.020	mg/L		11/03/21 07:55	11/04/21 13:28	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 19:54	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 19:54	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.019	0.0064	mg/Kg	☼	11/04/21 13:50	11/05/21 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.14	J	0.29	0.14	mg/Kg	☼	11/09/21 14:23	11/09/21 16:54	1
pH	7.3		0.2	0.2	SU			11/01/21 20:39	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B02

Date Collected: 10/27/21 09:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-2

Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
2-Butanone (MEK)	<0.0046		0.0046	0.0021	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Bromomethane	<0.0046	*+	0.0046	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Chlorobenzene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Chloroethane	<0.0046	*+	0.0046	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Chloroform	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00054	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*10/28/21 18:00*	*11/03/21 12:22*	*1*
4-Bromofluorobenzene (Surr)	*91*		*75 - 131*	*10/28/21 18:00*	*11/03/21 12:22*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*10/28/21 18:00*	*11/03/21 12:22*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*10/28/21 18:00*	*11/03/21 12:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1

Client Sample ID: 3068V-12-B02
Date Collected: 10/27/21 09:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-2
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,4-Dimethylphenol	<0.39	F2 F1 *-	0.39	0.15	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,4-Dinitrophenol	<0.78	F1	0.78	0.68	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2-Chloronaphthalene	<0.19	F1	0.19	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
3-Nitroaniline	<0.39	F2	0.39	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4,6-Dinitro-2-methylphenol	<0.78	F2	0.78	0.31	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4-Chloroaniline	<0.78	F2	0.78	0.18	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4-Nitroaniline	<0.39	F2	0.39	0.16	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Benzo[g,h,i]perylene	<0.039	F1	0.039	0.012	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Fluorene	<0.039		0.039	0.0054	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Hexachlorocyclopentadiene	<0.78	F1	0.78	0.22	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1

Client Sample ID: 3068V-12-B02
Date Collected: 10/27/21 09:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-2
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	11/02/21 06:56	11/09/21 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*31 - 143*	*11/02/21 06:56*	*11/09/21 12:58*	*1*
2-Fluorobiphenyl	*77*		*43 - 145*	*11/02/21 06:56*	*11/09/21 12:58*	*1*
2-Fluorophenol	*114*		*31 - 166*	*11/02/21 06:56*	*11/09/21 12:58*	*1*
Nitrobenzene-d5 (Surr)	*75*		*37 - 147*	*11/02/21 06:56*	*11/09/21 12:58*	*1*
Phenol-d5	*94*		*30 - 153*	*11/02/21 06:56*	*11/09/21 12:58*	*1*
Terphenyl-d14 (Surr)	*83*		*42 - 157*	*11/02/21 06:56*	*11/09/21 12:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.64**	**J**	1.1	0.22	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Arsenic	**9.0**		0.55	0.19	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Barium	**37**		0.55	0.063	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Beryllium	**0.74**		0.22	0.052	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Boron	**8.3**	**B**	2.8	0.26	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Cadmium	**0.074**	**J B**	0.11	0.020	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Calcium	**71000**		55	9.4	mg/Kg	☼	11/08/21 11:07	11/10/21 13:29	5
Chromium	**13**		0.55	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Cobalt	**13**		0.28	0.072	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Copper	**26**		0.55	0.15	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Iron	**21000**		11	5.7	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Lead	**15**		0.28	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Magnesium	**32000**		5.5	2.7	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Manganese	**420**	**B**	0.55	0.080	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Nickel	**31**		0.55	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Potassium	**1600**		28	9.8	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Silver	**0.23**	**J**	0.28	0.071	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Sodium	**110**		55	8.2	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Vanadium	**18**		0.28	0.065	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1
Zinc	**71**		1.1	0.49	mg/Kg	☼	11/08/21 11:07	11/09/21 16:51	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.40		0.40	0.20	mg/L		11/03/21 07:52	11/03/21 18:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 18:27	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B02
Date Collected: 10/27/21 09:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-2
Matrix: Solid
Percent Solids: 85.1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/21 07:55	11/04/21 13:31	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		11/03/21 07:55	11/04/21 13:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 13:31	1
Boron	**0.081**	**J**	0.10	0.050	mg/L		11/03/21 07:55	11/04/21 13:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 13:31	1
Calcium	**11**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:31	1
Chromium	**0.028**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:31	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:31	1
Iron	**27**		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 13:31	1
Lead	**0.011**		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 13:31	1
Manganese	**0.11**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:31	1
Nickel	**0.028**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:31	1
Potassium	**9.1**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:31	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 13:31	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:31	1
Zinc	**0.072**	**J**	0.50	0.020	mg/L		11/03/21 07:55	11/04/21 13:31	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 19:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 19:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.019	0.0062	mg/Kg	☼	11/04/21 13:50	11/05/21 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.28	0.14	mg/Kg	☼	11/09/21 14:23	11/09/21 16:56	1
pH	**8.4**		0.2	0.2	SU			11/01/21 20:41	1

Client Sample ID: 3068V-12-B03
Date Collected: 10/27/21 09:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-3
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
2-Butanone (MEK)	<0.0043		0.0043	0.0019	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Bromomethane	<0.0043	*+	0.0043	0.0016	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Chloroethane	<0.0043	*+	0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*10/28/21 18:00*	*11/03/21 12:48*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*10/28/21 18:00*	*11/03/21 12:48*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*10/28/21 18:00*	*11/03/21 12:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 124*	*10/28/21 18:00*	*11/03/21 12:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1

Client Sample ID: 3068V-12-B03
Date Collected: 10/27/21 09:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-3
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,4-Dimethylphenol	<0.36	*-	0.36	0.14	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1

Client Sample ID: 3068V-12-B03
Date Collected: 10/27/21 09:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-3
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	11/02/21 06:56	11/09/21 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*31 - 143*	*11/02/21 06:56*	*11/09/21 14:00*	*1*
2-Fluorobiphenyl	*80*		*43 - 145*	*11/02/21 06:56*	*11/09/21 14:00*	*1*
2-Fluorophenol	*109*		*31 - 166*	*11/02/21 06:56*	*11/09/21 14:00*	*1*
Nitrobenzene-d5 (Surr)	*76*		*37 - 147*	*11/02/21 06:56*	*11/09/21 14:00*	*1*
Phenol-d5	*95*		*30 - 153*	*11/02/21 06:56*	*11/09/21 14:00*	*1*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*11/02/21 06:56*	*11/09/21 14:00*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.48**	**J**	1.1	0.21	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Arsenic	**7.8**		0.54	0.18	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Barium	**32**		0.54	0.061	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Beryllium	**0.63**		0.21	0.050	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Boron	**9.4**	**B**	2.7	0.25	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Cadmium	**0.12**	**B**	0.11	0.019	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Calcium	**93000**		54	9.1	mg/Kg	☼	11/08/21 11:07	11/10/21 13:32	5
Chromium	**11**		0.54	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Cobalt	**10**		0.27	0.070	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Copper	**22**		0.54	0.15	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Iron	**19000**		54	28	mg/Kg	☼	11/08/21 11:07	11/10/21 13:32	5
Lead	**12**		0.27	0.12	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Magnesium	**51000**		27	13	mg/Kg	☼	11/08/21 11:07	11/10/21 13:32	5
Manganese	**370**	**B**	0.54	0.078	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Nickel	**25**		0.54	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Potassium	**1700**		27	9.5	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Silver	**0.24**	**J**	0.27	0.069	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Sodium	**130**		54	7.9	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Thallium	**0.51**	**J**	0.54	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Vanadium	**14**		0.27	0.063	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1
Zinc	**56**		1.1	0.47	mg/Kg	☼	11/08/21 11:07	11/09/21 16:54	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.40		0.40	0.20	mg/L		11/03/21 07:52	11/03/21 18:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 18:31	1
Manganese	**0.35**		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 18:31	1

Client Sample ID: 3068V-12-B03

Date Collected: 10/27/21 09:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-3

Matrix: Solid
Percent Solids: 87.2

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.018**	**J**	0.050	0.010	mg/L		11/03/21 07:55	11/04/21 13:35	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		11/03/21 07:55	11/04/21 13:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 13:35	1
Boron	**0.11**		0.10	0.050	mg/L		11/03/21 07:55	11/04/21 13:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 13:35	1
Calcium	**16**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:35	1
Chromium	**0.050**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:35	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:35	1
Iron	**46**		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 13:35	1
Lead	**0.013**		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 13:35	1
Manganese	**0.19**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:35	1
Nickel	**0.051**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:35	1
Potassium	**15**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:35	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 13:35	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:35	1
Zinc	**0.13**	**J**	0.50	0.020	mg/L		11/03/21 07:55	11/04/21 13:35	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:52	11/16/21 15:15	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 19:58	1
Thallium	**0.0021**		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 19:58	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.018	0.0061	mg/Kg	☼	11/04/21 13:50	11/05/21 07:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.27	0.14	mg/Kg	☼	11/09/21 14:23	11/09/21 16:58	1
pH	**8.6**		0.2	0.2	SU			11/01/21 20:46	1

Client Sample ID: 3068V-12-B06
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-8
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
2-Butanone (MEK)	<0.0043		0.0043	0.0019	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Bromomethane	<0.0043	*+	0.0043	0.0016	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Chloroethane	<0.0043	*+	0.0043	0.0013	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*10/28/21 18:00*	*11/03/21 14:58*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*10/28/21 18:00*	*11/03/21 14:58*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*10/28/21 18:00*	*11/03/21 14:58*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*10/28/21 18:00*	*11/03/21 14:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1

Client Sample ID: 3068V-12-B06
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-8
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,4-Dimethylphenol	<0.36	*-	0.36	0.14	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1

Client Sample ID: 3068V-12-B06
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-8
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	11/02/21 06:56	11/09/21 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*31 - 143*	*11/02/21 06:56*	*11/09/21 15:45*	*1*
2-Fluorobiphenyl	*63*		*43 - 145*	*11/02/21 06:56*	*11/09/21 15:45*	*1*
2-Fluorophenol	*100*		*31 - 166*	*11/02/21 06:56*	*11/09/21 15:45*	*1*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*11/02/21 06:56*	*11/09/21 15:45*	*1*
Phenol-d5	*84*		*30 - 153*	*11/02/21 06:56*	*11/09/21 15:45*	*1*
Terphenyl-d14 (Surr)	*73*		*42 - 157*	*11/02/21 06:56*	*11/09/21 15:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.57**	**J**	1.1	0.21	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Arsenic	**8.5**		0.55	0.19	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Barium	**57**		0.55	0.062	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Beryllium	**0.66**		0.22	0.051	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Boron	**8.7**	**B**	2.7	0.25	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Cadmium	**0.11**	**B**	0.11	0.020	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Calcium	**76000**		55	9.2	mg/Kg	☼	11/08/21 11:07	11/10/21 13:45	5
Chromium	**13**		0.55	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Copper	**25**		0.55	0.15	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Iron	**21000**		55	28	mg/Kg	☼	11/08/21 11:07	11/10/21 13:45	5
Lead	**13**		0.27	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Magnesium	**40000**		27	14	mg/Kg	☼	11/08/21 11:07	11/10/21 13:45	5
Manganese	**400**	**B**	0.55	0.079	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Nickel	**28**		0.55	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Potassium	**1600**		27	9.6	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Silver	**0.27**		0.27	0.070	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Sodium	**190**		55	8.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Thallium	**0.31**	**J**	0.55	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Vanadium	**17**		0.27	0.064	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1
Zinc	**64**		1.1	0.48	mg/Kg	☼	11/08/21 11:07	11/09/21 17:16	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/21 07:55	11/04/21 13:50	1
Barium	<0.50		0.50	0.050	mg/L		11/03/21 07:55	11/04/21 13:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 13:50	1
Boron	<0.10		0.10	0.050	mg/L		11/03/21 07:55	11/04/21 13:50	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B06
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-8
Matrix: Solid
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 13:50	1
Calcium	**17**		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:50	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:50	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:50	1
Iron	**0.54**		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 13:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 13:50	1
Manganese	**0.037**		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:50	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:50	1
Potassium	<2.5		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 13:50	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 13:50	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 13:50	1
Zinc	<0.50		0.50	0.020	mg/L		11/03/21 07:55	11/04/21 13:50	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 20:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 20:08	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.018	0.0061	mg/Kg	☼	11/04/21 13:50	11/05/21 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.24		0.24	0.12	mg/Kg	☼	11/09/21 14:23	11/09/21 17:10	1
pH	**8.1**		0.2	0.2	SU			11/01/21 21:01	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B07
Date Collected: 10/27/21 10:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-9
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
2-Butanone (MEK)	<0.0047		0.0047	0.0021	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Bromomethane	<0.0047	*+	0.0047	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Carbon disulfide	<0.0047		0.0047	0.00097	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Chloroethane	<0.0047	*+	0.0047	0.0014	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1
Xylenes, Total	<0.0037		0.0037	0.00060	mg/Kg	☼	10/28/21 18:00	11/03/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*10/28/21 18:00*	*11/03/21 15:24*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 131*	*10/28/21 18:00*	*11/03/21 15:24*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*10/28/21 18:00*	*11/03/21 15:24*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*10/28/21 18:00*	*11/03/21 15:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B07
Date Collected: 10/27/21 10:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-9
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,4-Dimethylphenol	<0.39	*-	0.39	0.15	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207560-1

Client Sample ID: 3068V-12-B07
Date Collected: 10/27/21 10:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-9
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	11/02/21 06:56	11/09/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*31 - 143*	*11/02/21 06:56*	*11/09/21 16:06*	*1*
2-Fluorobiphenyl	*69*		*43 - 145*	*11/02/21 06:56*	*11/09/21 16:06*	*1*
2-Fluorophenol	*102*		*31 - 166*	*11/02/21 06:56*	*11/09/21 16:06*	*1*
Nitrobenzene-d5 (Surr)	*65*		*37 - 147*	*11/02/21 06:56*	*11/09/21 16:06*	*1*
Phenol-d5	*87*		*30 - 153*	*11/02/21 06:56*	*11/09/21 16:06*	*1*
Terphenyl-d14 (Surr)	*80*		*42 - 157*	*11/02/21 06:56*	*11/09/21 16:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.2	0.23	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Arsenic	**4.6**		0.59	0.20	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Barium	**100**		0.59	0.067	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Beryllium	**0.83**		0.24	0.055	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Boron	**1.5**	**J B**	2.9	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Cadmium	**0.16**	**B**	0.12	0.021	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Calcium	**3100**		12	2.0	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Chromium	**16**		0.59	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Cobalt	**10**		0.29	0.077	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Copper	**27**		0.59	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Iron	**17000**		12	6.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Lead	**17**		0.29	0.14	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Magnesium	**3500**		5.9	2.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Manganese	**460**	**B**	0.59	0.085	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Nickel	**32**		0.59	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Potassium	**840**		29	10	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Silver	**0.44**		0.29	0.076	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Sodium	**310**		59	8.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Thallium	**0.35**	**J**	0.59	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Vanadium	**22**		0.29	0.069	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1
Zinc	**59**		1.2	0.52	mg/Kg	☼	11/08/21 11:07	11/09/21 17:19	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:52	11/03/21 18:50	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 18:50	1
Iron	<0.40		0.40	0.20	mg/L		11/03/21 07:52	11/03/21 18:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 18:50	1

Client Sample ID: 3068V-12-B07
Date Collected: 10/27/21 10:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207560-9
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.012	J	0.025	0.010	mg/L		11/03/21 07:52	11/03/21 18:50	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		11/03/21 07:55	11/04/21 14:09	1
Barium	0.61		0.50	0.050	mg/L		11/03/21 07:55	11/04/21 14:09	1
Beryllium	0.0043		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 14:09	1
Boron	0.093	J	0.10	0.050	mg/L		11/03/21 07:55	11/04/21 14:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 14:09	1
Calcium	14		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:09	1
Chromium	0.11		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:09	1
Cobalt	0.017	J	0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:09	1
Iron	89		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 14:09	1
Lead	0.032		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 14:09	1
Manganese	0.30		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:09	1
Nickel	0.083		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:09	1
Potassium	12		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:09	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 14:09	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:09	1
Zinc	0.22	J	0.50	0.020	mg/L		11/03/21 07:55	11/04/21 14:09	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 20:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 20:20	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.019	0.0062	mg/Kg	☼	11/04/21 13:50	11/05/21 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.30		0.30	0.15	mg/Kg	☼	11/09/21 14:23	11/09/21 17:11	1
pH	7.6		0.2	0.2	SU			11/01/21 21:03	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Andrews Engineering Inc. Job ID: 500-207560-4
1roRectj/ ite: IDSO- AE7-0T0

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditationjcertification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELA1	IL00035	0T-29-22

Che following analytes are included in this report, but the laboratory is not certified by the governing authority. Chis list may include analytes for which the agency does not offer certification.

Analysis Method	1rep Method	Matrix	Analyte
6020A	3040A	/ olid	Antimony
6020A	3040A	/ olid	Challium
7T70A	7T70A	/ olid	Mercury
8260B	5035	/ olid	4,3-Dichloropropene, Ctal
Moisture		/ olid	1ercent Moisture
Moisture		/ olid	1ercent / olids

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

Client Contact	Laboratory
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com

Project Name AE7 - 040A 500-207560 COC

Project No PTB/WO: 184-006/040A

TAT [X] 15 BD [ ] 10 BD [ ] 5 BD [ ] 2 BD ____ Other

Sampler: S. Khodaei

COC No 1 of 1

Lab Job No 500-207560

Sample Temp 3.3 1.4

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-12-B01	10/27	0920	S	X	X					X	X	X	X	X					
2	3068V-12-B02		0930																	
3	3068V-12-B03		0940																	
4	3068V-12-B04		0950																	
5	3068V-12-B05-1		1000																	
6	3068V-12-B05-2		1010																	
7	3068V-12-B05-2 DUP		1020																	
8	3068V-12-B06		1030																	
9	3068-12-B07		1040																	
10	Trip Blank #2																			

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10-28-21 9:45A
Relinquished by	Date/Time 10/28/21 9:45A	Received by	Date/Time 10/28/21 0945
Relinquished by	Date/Time 10/28/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
25W 355 West Lake Street (southest corner of Lake Street and Gary Avenue)

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97167 (Decimal Degrees) Longitude: -88.11965 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: 0434825048 BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 987

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97167 Longitude: - 88.11965

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS 3068V-17-B01, 3068V-17-B02, 3068V-17-B03 AND 3068V-17-B04 WERE SAMPLED ADJACENT TO SITE 3068V-17. SEE TABLE 3g AND FIGURES 3 AND 5 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207572-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

LICENSED PROFESSIONAL GEOLOGIST
SAVO RADULOVIC
196-001303
ILLINOIS

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-17
Woodland Windows
and Doors

Sample ID	3068V-17-B01		3068V-17-B02		3068V-17-B03-1		3068V-17-B03-2		3068V-17-B04		**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3		0-3		0-6.5		6.5-13		0-3						
Sample Date	10/27/2021		10/27/2021		10/27/2021		10/27/2021		10/27/2021						
PID	0		0		0		0		0						
Sample pH	7.4		7.6		8.4		8.1		8.4		[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
Matrix	Soil		Soil		Soil		Soil		Soil						
Semivolatile Organic Compounds (mg/kg)															
Benzo(a)pyrene	**0.42**	**1,2**	**0.1**	**1,2**	ND		ND		ND		0.09	0.09	0.98	1.3	2.1

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207572-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:46:01 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B01
Date Collected: 10/27/21 12:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-1
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Acetone	<0.020		0.020	0.0087	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Bromoform	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Chloroform	<0.0020		0.0020	0.00070	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Dibromochloromethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Styrene	<0.0020		0.0020	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☼	10/28/21 18:00	11/04/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*30 - 174*	*10/28/21 18:00*	*11/04/21 18:73*	*1*
4-Bromofluorobenzene (Surr)	*90*		*35 - 171*	*10/28/21 18:00*	*11/04/21 18:73*	*1*
Dibromofluoromethane	*99*		*35 - 126*	*10/28/21 18:00*	*11/04/21 18:73*	*1*
Toluene-d8 (Surr)	*95*		*35 - 124*	*10/28/21 18:00*	*11/04/21 18:73*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1

Client Sample ID: 3068V-17-B01
Date Collected: 10/27/21 12:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-1
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2-Methylnaphthalene	**0.0096**	**J**	0.080	0.0073	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Acenaphthene	**0.030**	**J**	0.039	0.0071	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Acenaphthylene	**0.018**	**J**	0.039	0.0052	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Anthracene	**0.065**		0.039	0.0066	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Benzo[a]anthracene	**0.39**		0.039	0.0053	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Benzo[a]pyrene	**0.42**		0.039	0.0077	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Benzo[b]fluoranthene	**0.66**		0.039	0.0086	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Benzo[g,h,i]perylene	**0.16**		0.039	0.013	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Benzo[k]fluoranthene	**0.30**		0.039	0.012	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Butyl benzyl phthalate	**0.085**	**J**	0.20	0.076	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Chrysene	**0.43**		0.039	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Dibenz(a,h)anthracene	**0.053**		0.039	0.0077	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Fluoranthene	**0.83**		0.039	0.0074	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Fluorene	**0.038**	**J**	0.039	0.0056	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1

Client Sample ID: 3068V-17-B01
Date Collected: 10/27/21 12:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-1
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.18		0.039	0.010	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Naphthalene	0.011	J	0.039	0.0061	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Phenanthrene	0.45		0.039	0.0055	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1
Pyrene	0.82		0.039	0.0079	mg/Kg	☼	11/02/21 13:40	11/10/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*71 - 147*	*11/02/21 17:40*	*11/10/21 17:41*	*1*
2-Fluorobiphenyl	*30*		*47 - 145*	*11/02/21 17:40*	*11/10/21 17:41*	*1*
2-Fluorophenol	*92*		*71 - 166*	*11/02/21 17:40*	*11/10/21 17:41*	*1*
Nitrobenzene-d5 (Surr)	*60*		*73 - 143*	*11/02/21 17:40*	*11/10/21 17:41*	*1*
Phenol-d5	*39*		*70 - 157*	*11/02/21 17:40*	*11/10/21 17:41*	*1*
Terphenyl-d14 (Surr)	*90*		*42 - 153*	*11/02/21 17:40*	*11/10/21 17:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.2	0.24	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Arsenic	6.9		0.61	0.21	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Barium	160		0.61	0.070	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Beryllium	0.84		0.25	0.057	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Boron	7.8	B	3.1	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Cadmium	0.45	B	0.12	0.022	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Calcium	49000		61	10	mg/Kg	☼	11/08/21 11:07	11/10/21 13:51	5
Chromium	17		0.61	0.30	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Cobalt	9.4		0.31	0.080	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Copper	28		0.61	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Iron	18000		12	6.4	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Lead	59		0.31	0.14	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Magnesium	24000		6.1	3.0	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Manganese	570	B	0.61	0.089	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Nickel	24		0.61	0.18	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Potassium	1500		31	11	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Selenium	0.47	J	0.61	0.36	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Silver	0.32		0.31	0.079	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Sodium	600		61	9.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Thallium	0.49	J	0.61	0.31	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Vanadium	22		0.31	0.072	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1
Zinc	110		1.2	0.54	mg/Kg	☼	11/08/21 11:07	11/09/21 17:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.40		0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:03	1
Manganese	3.5		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:03	1

Client Sample ID: 3068V-17-B01
Date Collected: 10/27/21 12:10
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-1
Matrix: Solid
Percent Solids: 79.9

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.030**	**J**	0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:18	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:18	1
Boron	**0.14**		0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:18	1
Calcium	**18**		2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:18	1
Chromium	**0.069**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:18	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:18	1
Iron	**68**		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:18	1
Lead	**0.12**		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:18	1
Manganese	**0.38**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:18	1
Nickel	**0.062**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:18	1
Potassium	**13**		2.5	0.50	mg/L		11/05/21 07:49	11/09/21 14:32	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:18	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:18	1
Zinc	**0.30**	**J**	0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 20:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 20:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.020	0.0067	mg/Kg	☼	11/05/21 13:35	11/08/21 07:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.29	0.14	mg/Kg	☼	11/10/21 17:48	11/10/21 19:12	1
pH	**7.4**		0.2	0.2	SU			11/02/21 15:46	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B02
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-2
Matrix: Solid
Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0022		0.0022	0.00074	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00071	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00095	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,1-Dichloroethane	<0.0022		0.0022	0.00076	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,1-Dichloroethene	<0.0022		0.0022	0.00076	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,2-Dichloroethane	<0.0055		0.0055	0.0017	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,2-Dichloropropane	<0.0022		0.0022	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00078	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
2-Butanone (MEK)	<0.0055		0.0055	0.0025	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
2-Hexanone	<0.0055		0.0055	0.0017	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
4-Methyl-2-pentanone (MIBK)	<0.0055		0.0055	0.0016	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Acetone	<0.022		0.022	0.0096	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Benzene	<0.0022		0.0022	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Bromodichloromethane	<0.0022		0.0022	0.00045	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Bromoform	<0.0022		0.0022	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Bromomethane	<0.0055		0.0055	0.0021	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Carbon disulfide	<0.0055		0.0055	0.0011	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Carbon tetrachloride	<0.0022		0.0022	0.00064	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Chlorobenzene	<0.0022		0.0022	0.00082	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Chloroethane	<0.0055		0.0055	0.0016	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Chloroform	<0.0022		0.0022	0.00077	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Chloromethane	<0.0055		0.0055	0.0022	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00062	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Dibromochloromethane	<0.0022		0.0022	0.00072	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Ethylbenzene	<0.0022		0.0022	0.0011	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Methylene Chloride	<0.0055		0.0055	0.0022	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Styrene	<0.0022		0.0022	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Tetrachloroethene	<0.0022		0.0022	0.00075	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Toluene	<0.0022		0.0022	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00098	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00078	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Trichloroethene	<0.0022		0.0022	0.00075	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Vinyl chloride	<0.0022		0.0022	0.00098	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1
Xylenes, Total	<0.0044		0.0044	0.00071	mg/Kg	☼	10/28/21 18:00	11/04/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*30 - 174*	*10/28/21 18:00*	*11/04/21 19:07*	*1*
4-Bromofluorobenzene (Surr)	*90*		*35 - 171*	*10/28/21 18:00*	*11/04/21 19:07*	*1*
Dibromofluoromethane	*99*		*35 - 126*	*10/28/21 18:00*	*11/04/21 19:07*	*1*
Toluene-d8 (Surr)	*95*		*35 - 124*	*10/28/21 18:00*	*11/04/21 19:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B02
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-2
Matrix: Solid
Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.096	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2-Methylnaphthalene	<0.085		0.085	0.0077	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Anthracene	**0.015**	**J**	0.042	0.0070	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Benzo[a]anthracene	**0.090**		0.042	0.0057	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Benzo[a]pyrene	**0.10**		0.042	0.0082	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Benzo[b]fluoranthene	**0.16**		0.042	0.0091	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Benzo[g,h,i]perylene	**0.045**		0.042	0.014	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Benzo[k]fluoranthene	**0.064**		0.042	0.012	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Chrysene	**0.12**		0.042	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Dibenz(a,h)anthracene	**0.023**	**J**	0.042	0.0081	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Fluoranthene	**0.24**		0.042	0.0078	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Fluorene	**0.0085**	**J**	0.042	0.0059	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B02
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-2
Matrix: Solid
Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.052		0.042	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.051	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Phenanthrene	0.12		0.042	0.0059	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1
Pyrene	0.19		0.042	0.0084	mg/Kg	☼	11/02/21 13:40	11/10/21 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*71 - 147*	*11/02/21 17:40*	*11/10/21 21:40*	*1*
2-Fluorobiphenyl	*32*		*47 - 145*	*11/02/21 17:40*	*11/10/21 21:40*	*1*
2-Fluorophenol	*91*		*71 - 166*	*11/02/21 17:40*	*11/10/21 21:40*	*1*
Nitrobenzene-d5 (Surr)	*58*		*73 - 143*	*11/02/21 17:40*	*11/10/21 21:40*	*1*
Phenol-d5	*81*		*70 - 157*	*11/02/21 17:40*	*11/10/21 21:40*	*1*
Terphenyl-d14 (Surr)	*36*		*42 - 153*	*11/02/21 17:40*	*11/10/21 21:40*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.3	0.25	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Arsenic	7.9		0.65	0.22	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Barium	120		0.65	0.074	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Beryllium	0.88		0.26	0.060	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Boron	4.8	B	3.2	0.30	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Cadmium	0.12	J B	0.13	0.023	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Calcium	8300		13	2.2	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Chromium	16		0.65	0.32	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Cobalt	9.5		0.32	0.085	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Copper	20		0.65	0.18	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Iron	20000		13	6.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Lead	24		0.32	0.15	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Magnesium	5000		6.5	3.2	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Manganese	490	B	0.65	0.094	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Nickel	21		0.65	0.19	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Potassium	1400		32	11	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Selenium	0.57	J	0.65	0.38	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Silver	0.39		0.32	0.084	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Sodium	110		65	9.6	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Thallium	0.45	J	0.65	0.32	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Vanadium	26		0.32	0.076	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1
Zinc	77		1.3	0.57	mg/Kg	☼	11/08/21 11:07	11/09/21 17:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.40		0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:07	1
Manganese	0.079		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:07	1

Client Sample ID: 3068V-17-B02
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-2
Matrix: Solid
Percent Solids: 76.6

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:21	1
Barium	0.38	J	0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:21	1
Boron	0.093	J	0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:21	1
Calcium	17		2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:21	1
Chromium	0.062		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:21	1
Cobalt	0.011	J	0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:21	1
Iron	64		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:21	1
Lead	0.031		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:21	1
Manganese	0.31		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:21	1
Nickel	0.054		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:21	1
Potassium	10		2.5	0.50	mg/L		11/05/21 07:49	11/09/21 14:35	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:21	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:21	1
Zinc	0.20	J	0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:21	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 20:54	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 20:54	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.020	0.0067	mg/Kg	☼	11/05/21 13:35	11/08/21 07:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.30		0.30	0.15	mg/Kg	☼	11/10/21 17:48	11/10/21 19:14	1
pH	7.6		0.2	0.2	SU			11/02/21 15:49	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B03-1
Date Collected: 10/27/21 11:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00062	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,2-Dichloropropane	<0.0020		0.0020	0.00050	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
2-Butanone (MEK)	<0.0049		0.0049	0.0022	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Acetone	<0.020		0.020	0.0085	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Chloroethane	<0.0049		0.0049	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Ethylbenzene	<0.0020		0.0020	0.00093	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Tetrachloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00086	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Vinyl chloride	<0.0020		0.0020	0.00086	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/28/21 18:00	11/04/21 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*30 - 174*	*10/28/21 18:00*	*11/04/21 19:29*	*1*
4-Bromofluorobenzene (Surr)	*89*		*35 - 171*	*10/28/21 18:00*	*11/04/21 19:29*	*1*
Dibromofluoromethane	*99*		*35 - 126*	*10/28/21 18:00*	*11/04/21 19:29*	*1*
Toluene-d8 (Surr)	*95*		*35 - 124*	*10/28/21 18:00*	*11/04/21 19:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1

Client Sample ID: 3068V-17-B03-1
Date Collected: 10/27/21 11:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Benzo[a]pyrene	<0.038	*3	0.038	0.0074	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Benzo[b]fluoranthene	<0.038	*3	0.038	0.0082	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Benzo[k]fluoranthene	<0.038	*3	0.038	0.011	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0074	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B03-1
Date Collected: 10/27/21 11:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-3
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038	*3	0.038	0.0099	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	11/02/21 13:40	11/08/21 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*71 - 147*	*11/02/21 17:40*	*11/08/21 21:22*	*1*
2-Fluorobiphenyl	*81*		*47 - 145*	*11/02/21 17:40*	*11/08/21 21:22*	*1*
2-Fluorophenol	*93*		*71 - 166*	*11/02/21 17:40*	*11/08/21 21:22*	*1*
Nitrobenzene-d5 (Surr)	*69*		*73 - 143*	*11/02/21 17:40*	*11/08/21 21:22*	*1*
Phenol-d5	*89*		*70 - 157*	*11/02/21 17:40*	*11/08/21 21:22*	*1*
Terphenyl-d14 (Surr)	*154*		*42 - 153*	*11/02/21 17:40*	*11/08/21 21:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.31**	**J**	1.1	0.22	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Arsenic	**6.2**		0.56	0.19	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Barium	**53**		0.56	0.064	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Beryllium	**0.81**		0.22	0.052	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Boron	**9.2**	**B**	2.8	0.26	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Cadmium	**0.058**	**J B**	0.11	0.020	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Calcium	**71000**		56	9.5	mg/Kg	☼	11/08/21 11:07	11/10/21 13:55	5
Chromium	**16**		0.56	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Cobalt	**11**		0.28	0.073	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Copper	**21**		0.56	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Iron	**18000**		11	5.8	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Lead	**12**		0.28	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Magnesium	**27000**		5.6	2.8	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Manganese	**300**	**B**	0.56	0.081	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Nickel	**28**		0.56	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Potassium	**2000**		28	9.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Silver	**0.26**	**J**	0.28	0.072	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Sodium	**240**		56	8.3	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Thallium	**0.30**	**J**	0.56	0.28	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Vanadium	**20**		0.28	0.066	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1
Zinc	**55**		1.1	0.49	mg/Kg	☼	11/08/21 11:07	11/09/21 17:41	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.40		0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:10	1
Manganese	**0.37**		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:10	1

Client Sample ID: 3068V-17-B03-1
Date Collected: 10/27/21 11:40
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-3
Matrix: Solid
Percent Solids: 85.5

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:25	1
Barium	0.29	J F1	0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:25	1
Boron	0.13		0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:25	1
Calcium	28	F1	2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:25	1
Chromium	0.069		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:25	1
Cobalt	0.016	J	0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:25	1
Iron	67		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:25	1
Lead	0.017		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:25	1
Manganese	0.27		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:25	1
Nickel	0.073		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:25	1
Potassium	19	F1	2.5	0.50	mg/L		11/05/21 07:49	11/09/21 14:38	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:25	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:25	1
Zinc	0.14	J	0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:25	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	F1	0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 20:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 20:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0061	mg/Kg	☼	11/05/21 13:35	11/08/21 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.27	0.13	mg/Kg	☼	11/10/21 17:48	11/10/21 19:15	1
pH	8.4		0.2	0.2	SU			11/02/21 15:53	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B03-2

Date Collected: 10/27/21 11:50
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-4

Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
2-Butanone (MEK)	<0.0040		0.0040	0.0018	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.0012	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Acetone	<0.016		0.016	0.0070	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/28/21 18:00	11/04/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*30 - 174*	*10/28/21 18:00*	*11/04/21 19:54*	*1*
4-Bromofluorobenzene (Surr)	*93*		*35 - 171*	*10/28/21 18:00*	*11/04/21 19:54*	*1*
Dibromofluoromethane	*100*		*35 - 126*	*10/28/21 18:00*	*11/04/21 19:54*	*1*
Toluene-d8 (Surr)	*98*		*35 - 124*	*10/28/21 18:00*	*11/04/21 19:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B03-2
Date Collected: 10/27/21 11:50
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-4
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Benzo[a]pyrene	<0.036	*3	0.036	0.0070	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Benzo[b]fluoranthene	<0.036	*3	0.036	0.0078	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Benzo[g,h,i]perylene	<0.036	*3	0.036	0.012	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Benzo[k]fluoranthene	<0.036	*3	0.036	0.011	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Dibenz(a,h)anthracene	<0.036	*3	0.036	0.0070	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B03-2
Date Collected: 10/27/21 11:50
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-4
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036	*3	0.036	0.0094	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1
Pyrene	**0.0074**	**J**	0.036	0.0072	mg/Kg	☼	11/02/21 13:40	11/08/21 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*71 - 147*	*11/02/21 17:40*	*11/08/21 21:47*	*1*
2-Fluorobiphenyl	*33*		*47 - 145*	*11/02/21 17:40*	*11/08/21 21:47*	*1*
2-Fluorophenol	*106*		*71 - 166*	*11/02/21 17:40*	*11/08/21 21:47*	*1*
Nitrobenzene-d5 (Surr)	*30*		*73 - 143*	*11/02/21 17:40*	*11/08/21 21:47*	*1*
Phenol-d5	*92*		*70 - 157*	*11/02/21 17:40*	*11/08/21 21:47*	*1*
Terphenyl-d14 (Surr)	*142*		*42 - 153*	*11/02/21 17:40*	*11/08/21 21:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.1	0.21	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Arsenic	**7.1**		0.54	0.18	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Barium	**30**		0.54	0.062	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Beryllium	**0.70**		0.22	0.050	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Boron	**9.7**	**B**	2.7	0.25	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Cadmium	**0.10**	**J B**	0.11	0.019	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Calcium	**63000**		54	9.2	mg/Kg	☼	11/08/21 11:07	11/10/21 13:58	5
Chromium	**14**		0.54	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Copper	**22**		0.54	0.15	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Iron	**18000**		11	5.6	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Lead	**12**		0.27	0.12	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Magnesium	**31000**		5.4	2.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Manganese	**360**	**B**	0.54	0.078	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Nickel	**30**		0.54	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Potassium	**2200**		27	9.6	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Silver	**0.22**	**J**	0.27	0.070	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Sodium	**170**		54	8.0	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Thallium	**0.31**	**J**	0.54	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Vanadium	**15**		0.27	0.064	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1
Zinc	**65**		1.1	0.47	mg/Kg	☼	11/08/21 11:07	11/09/21 17:45	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/04/21 08:00	11/04/21 19:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/04/21 08:00	11/04/21 19:13	1
Chromium	<0.025		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:13	1
Iron	**0.31**	**J**	0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:13	1

Client Sample ID: 3068V-17-B03-2

Date Collected: 10/27/21 11:50
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-4

Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:13	1
Manganese	**1.3**		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:13	1
Nickel	<0.025		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.073**		0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:43	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:43	1
Beryllium	**0.0069**		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:43	1
Boron	**0.22**		0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:43	1
Calcium	**29**		2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:43	1
Chromium	**0.13**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:43	1
Cobalt	**0.051**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:43	1
Iron	**150**		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:43	1
Lead	**0.064**		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:43	1
Manganese	**0.50**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:43	1
Nickel	**0.18**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:43	1
Potassium	**38**		2.5	0.50	mg/L		11/05/21 07:49	11/09/21 14:51	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:43	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:43	1
Zinc	**0.45**	**J**	0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:43	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		11/04/21 08:00	11/16/21 15:51	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 21:09	1
Thallium	**0.0047**		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 21:09	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.018	0.0060	mg/Kg	☼	11/05/21 13:35	11/08/21 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.25	0.13	mg/Kg	☼	11/10/21 17:48	11/10/21 19:17	1
pH	**8.1**		0.2	0.2	SU			11/02/21 15:58	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B04
Date Collected: 10/27/21 11:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-5
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
2-Butanone (MEK)	<0.0048		0.0048	0.0021	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Acetone	<0.019		0.019	0.0083	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Carbon disulfide	<0.0048		0.0048	0.00099	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Ethylbenzene	<0.0019		0.0019	0.00091	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*30 - 174*	*10/28/21 18:00*	*11/04/21 20:20*	*1*
4-Bromofluorobenzene (Surr)	*88*		*35 - 171*	*10/28/21 18:00*	*11/04/21 20:20*	*1*
Dibromofluoromethane	*99*		*35 - 126*	*10/28/21 18:00*	*11/04/21 20:20*	*1*
Toluene-d8 (Surr)	*94*		*35 - 124*	*10/28/21 18:00*	*11/04/21 20:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B04
Date Collected: 10/27/21 11:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-5
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Benzo[a]anthracene	**0.016**	**J**	0.040	0.0054	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Benzo[a]pyrene	<0.040	*3	0.040	0.0078	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Benzo[b]fluoranthene	<0.040	*3	0.040	0.0087	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Benzo[g,h,i]perylene	<0.040	*3	0.040	0.013	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Benzo[k]fluoranthene	<0.040	*3	0.040	0.012	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Chrysene	**0.022**	**J**	0.040	0.011	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Dibenz(a,h)anthracene	<0.040	*3	0.040	0.0077	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Fluoranthene	**0.033**	**J**	0.040	0.0074	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B04
Date Collected: 10/27/21 11:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-5
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040	*3	0.040	0.010	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Phenanthrene	**0.024**	**J**	0.040	0.0056	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1
Pyrene	**0.048**		0.040	0.0080	mg/Kg	☼	11/02/21 13:40	11/08/21 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*71 - 147*	*11/02/21 17:40*	*11/08/21 22:04*	*1*
2-Fluorobiphenyl	*38*		*47 - 145*	*11/02/21 17:40*	*11/08/21 22:04*	*1*
2-Fluorophenol	*102*		*71 - 166*	*11/02/21 17:40*	*11/08/21 22:04*	*1*
Nitrobenzene-d5 (Surr)	*30*		*73 - 143*	*11/02/21 17:40*	*11/08/21 22:04*	*1*
Phenol-d5	*81*		*70 - 157*	*11/02/21 17:40*	*11/08/21 22:04*	*1*
Terphenyl-d14 (Surr)	*141*		*42 - 153*	*11/02/21 17:40*	*11/08/21 22:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.62**	**J**	1.2	0.24	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Arsenic	**7.5**		0.61	0.21	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Barium	**99**		0.61	0.070	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Beryllium	**0.88**		0.25	0.057	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Boron	**6.3**	**B**	3.1	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Cadmium	**0.089**	**J B**	0.12	0.022	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Calcium	**25000**		12	2.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Chromium	**16**		0.61	0.30	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Cobalt	**11**		0.31	0.080	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Copper	**21**		0.61	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Iron	**20000**		12	6.4	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Lead	**28**		0.31	0.14	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Magnesium	**13000**		6.1	3.0	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Manganese	**400**	**B**	0.61	0.089	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Nickel	**25**		0.61	0.18	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Potassium	**1900**		31	11	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Selenium	**0.45**	**J**	0.61	0.36	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Silver	**0.35**		0.31	0.079	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Sodium	**250**		61	9.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Thallium	**0.33**	**J**	0.61	0.31	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Vanadium	**25**		0.31	0.072	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1
Zinc	**73**		1.2	0.54	mg/Kg	☼	11/08/21 11:07	11/09/21 17:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.40		0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:17	1
Manganese	**0.013**	**J**	0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:17	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207572-1

Client Sample ID: 3068V-17-B04
Date Collected: 10/27/21 11:30
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207572-5
Matrix: Solid
Percent Solids: 78.6

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.035	J	0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:46	1
Barium	0.42	J	0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:46	1
Beryllium	0.0040		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:46	1
Boron	0.14		0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:46	1
Calcium	31		2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:46	1
Chromium	0.087		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:46	1
Cobalt	0.020	J	0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:46	1
Iron	86		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:46	1
Lead	0.033		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:46	1
Manganese	0.36		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:46	1
Nickel	0.090		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:46	1
Potassium	21		2.5	0.50	mg/L		11/05/21 07:49	11/09/21 14:54	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:46	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:46	1
Zinc	0.23	J	0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:46	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 21:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 21:11	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0064	mg/Kg	☼	11/05/21 13:35	11/08/21 07:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.29	0.14	mg/Kg	☼	11/10/21 17:48	11/10/21 19:19	1
pH	8.4		0.2	0.2	SU			11/02/21 16:00	1

Qualifiers

GC/MS SeV i OAc

Qualifier	Qualifier Desprintion
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Desprintion
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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

c bbreviation	These poV V only used abbreviations V ay or V ay not be mresent in this remort.
¤	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

Accreditation/Certification Summary

Client: Andrews Engineering Inc. Job ID: 500-207572-6
4 ro1ectP ite: ID/ S - AE7-0C0

Laboratory: Eurofins TestAmerica, Chicago

Tnless otUerwise notedh, ll , n, lates yor tUis l, bor, tora were cof ered vnder e, cU , ccredit, tionPertiyic, tion below.

Authority	Program	Identification Number	Expiration Date
Illinois	u ENA4	IN000L5	0O-23-22

SUe yollowing , n, lates , re inclvded in tUis re9orthbvt tUe l, bor, tora is not certiyied ba tUe gof erning , vtUorita. SUis list p , a inclvde , n, lates yor wUicU tUe , genca does not oyyer certiyic, tion.

An, lasis metUod	4re9 metUod	m, triM	An, late
x020A	L060A	j olid	Antip ona
x020A	L060A	j olid	SU, llivp
7C70A	7C70A	j olid	mercvra
82x0B	50L5	j olid	6HL-DicUoro9ro9enehSot, l
moistvre		j olid	4ercent moistvre
moistvre		j olid	4ercent j olids

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

500-207572 COC

Client Contact	Laboratory
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com

Project Name AE7 - 040A

Project No PTB/WO: 184-006/040A

TAT [X] 15 BD [ ] 10 BD [ ] 5 BD [ ] 2 BD ____ Other

Sampler: S. Khodaei

COC No 1 of 1

Lab Job No. 500-207572

Sample Temp. 4.6

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

ANALYSES

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-17-B01	10/27	1210	S	X	X					X	X	X	X	X					
2	3068V-17-B02	10/27	1200	S	X	X					X	X	X	X	X					
3	3068V-17-B03-1	10/27	1140	S	X	X					X	X	X	X	X					
4	3068V-17-B03-2	10/27	1150	S	X	X					X	X	X	X	X					
5	3068V-17-B04	10/27	1130	S	X	X					X	X	X	X	X					

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10/28/21 9:45A
Relinquished by	Date/Time 10/28/21 9:45A	Received by	Date/Time 1028/21 0945
Relinquished by	Date/Time 10/28/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
6N 500 block of Gary Avenue (east side of Gary Avenue between Lake Street and Foster Avenue)

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97071 (Decimal Degrees) Longitude: -88.12019 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 108

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97071 Longitude: - 88.12019

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION 3068V-18-B01 WAS SAMPLED ADJACENT TO SITE 3068V-18. SEE TABLE 3h AND FIGURE 5 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207486-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-18
Vacant Lot

Sample ID	3068V-18-B01		3068V-18-B01 DUP		**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3		0-3						
Sample Date	10/26/2021		10/26/2021						
PID	0		0						
Sample pH	8.3		8.3		[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
Matrix	Soil		Soil						
Semivolatile Organic Compounds (mg/kg)									
Benzo(a)pyrene	**0.13**	**1,2**	**0.32**	**1,2**	0.09	0.09	0.98	1.3	2.1

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207486-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/16/2021 9:42:29 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample ID: V031B-81-M08
Date Cdlle/ tec: 809239928 83:00
Date Re/ eivec: 809279928 80:5V

Lab Sample ID: 500-207613-8
r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 1230M - Bdlatile Oxgani/ Cdmpduncs (GC9r S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
2-Butanone (MEK)	<0.0047		0.0047	0.0021	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.0014	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Acetone	<0.019		0.019	0.0082	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Carbon disulfide	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Chloroethane	<0.0047	*+	0.0047	0.0014	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Chloromethane	<0.0047	*-	0.0047	0.0019	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1
Xylenes, Total	<0.0037		0.0037	0.00060	mg/Kg	☼	10/27/21 19:14	11/01/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*30 - 174*	*10/23/21 18:14*	*11/01/21 12:47*	*1*
4-Bromofluorobenzene (Surr)	*81*		*39 - 171*	*10/23/21 18:14*	*11/01/21 12:47*	*1*
Dibromofluoromethane	*85*		*39 - 125*	*10/23/21 18:14*	*11/01/21 12:47*	*1*
6oluene-dT (Surr)	*83*		*39 - 124*	*10/23/21 18:14*	*11/01/21 12:47*	*1*

r ethdc: 1270D - Semivdlatile Oxgani/ Cdmpduncs (GC9r S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207486-1

Client Sample ID: V031B-81-M08
Date Cdlle/ tec: 809239 28 83:00
Date Re/ eivec: 809279 28 80:5V

Lab Sample ID: 500-207613-8
r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 1270D - Semivdlatile Oxgani/ Cdmpduncs (GC9r S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
A/ enaphthylene	**0.0037**	**[**	0.039	0.0052	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Anthxa/ ene	**0.087**	**[**	0.039	0.0066	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Menzd]aJanthxa/ ene	**0.88**		0.039	0.0053	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Menzd]aJpyxene	**0.8V**		0.039	0.0076	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Menzd]bJfludxanthene	**0.28**		0.039	0.0085	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Menzd]g,h,iJpexylene	**0.036**		0.039	0.013	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Menzd]kJfludxanthene	**0.073**		0.039	0.012	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Chxysene	**0.86**		0.039	0.011	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Dibenz(a,h)anthxa/ ene	**0.028**	**[**	0.039	0.0076	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Fludxanthene	**0.25**		0.039	0.0073	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Fludxene	**0.0034**	**[**	0.039	0.0056	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1

Client Sample ID: V031B-81-M08
Date Cdlle/ tec: 809239 28 83:00
Date Re/ eivec: 809279 28 80:5V

Lab Sample ID: 500-207613-8
r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 1270D - Semivdlatile Oxgani/ Cdmpduncs (GC9r S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Incend]8,2,V-/ c.Jpyxene	0.034		0.039	0.010	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Phenanthxene	0.80		0.039	0.0055	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1
Pyxene	0.22		0.039	0.0079	mg/Kg	☼	11/01/21 20:00	11/06/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,5-6ribromophenol	*33*		*71 - 147*	*11/01/21 20:00*	*11/05/21 19:72*	*1*
2-Fluorobiphenyl	*31*		*47 - 149*	*11/01/21 20:00*	*11/05/21 19:72*	*1*
2-Fluorophenol	*T3*		*71 - 155*	*11/01/21 20:00*	*11/05/21 19:72*	*1*
Nitrobenzene-d9 (Surr)	*31*		*73 - 143*	*11/01/21 20:00*	*11/05/21 19:72*	*1*
Phenol-d9	*30*		*70 - 197*	*11/01/21 20:00*	*11/05/21 19:72*	*1*
6erphenyl-d14 (Surr)	*80*		*42 - 193*	*11/01/21 20:00*	*11/05/21 19:72*	*1*

r ethdc: 3080M - r etals (ICP)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Antimdny	0.63	[MF8	1.1	0.22	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Axseni/	7.1		0.57	0.20	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Maxium	8V0		0.57	0.065	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Mexyllium	0.72		0.23	0.053	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Mdxdn	V.0	F8	2.9	0.27	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Cacmium	0.017	[M	0.11	0.021	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Cal/ ium	3200	F2	11	1.9	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Chxdmium	86		0.57	0.28	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Cdbalt	80		0.29	0.075	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Cdppex	83		0.57	0.16	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Ixdn	81000		11	5.9	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Leac	28	F8	0.29	0.13	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
r agnesium	6V00	F2	5.7	2.8	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
r anganese	770	F2	0.57	0.083	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Ni/ kel	81		0.57	0.17	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Pdtassium	8V00	F8	29	10	mg/Kg	☼	11/05/21 10:05	11/09/21 13:25	1
Selenium	0.V7	[F8	0.57	0.34	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Silvex	0.VV		0.29	0.074	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Sdcium	V30		57	8.4	mg/Kg	☼	11/05/21 10:05	11/09/21 13:25	1
Zhallium	0.V7	[	0.57	0.28	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Banacium	24		0.29	0.067	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1
Tin/	70		1.1	0.50	mg/Kg	☼	11/05/21 10:05	11/08/21 14:27	1

r ethdc: 3080M - r etals (ICP) - ZCLP

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:52	11/03/21 19:00	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:00	1
Ixdn	0.24	[	0.40	0.20	mg/L		11/03/21 07:52	11/03/21 19:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 19:00	1

Client Sample ID: V031B-81-M08

Date Cdlle/ tec: 809239228 83:00
Date Re/ eivec: 809279228 80:5V

Lab Sample ID: 500-207613-8

r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 3080M - r etals (ICP) - ZCLP (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
r anganese	0.88		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:00	1

r ethdc: 3080M - r etals (ICP) - SPLP East

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Axseni/	0.0V3	[	0.050	0.010	mg/L		11/03/21 07:55	11/04/21 14:12	1
Maxium	0.70		0.50	0.050	mg/L		11/03/21 07:55	11/04/21 14:12	1
Mexyllium	0.0052		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 14:12	1
Mdxdn	0.075	[	0.10	0.050	mg/L		11/03/21 07:55	11/04/21 14:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 14:12	1
Cal/ ium	20		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:12	1
Chxdmium	0.88		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:12	1
Cdbalt	0.020	[	0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:12	1
Ixdn	880		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 14:12	1
Leac	0.058		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 14:12	1
r anganese	8.8		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:12	1
Ni/ kel	0.074		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:12	1
Pdtassium	86		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:12	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 14:12	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:12	1
Tin/	0.V1	[	0.50	0.020	mg/L		11/03/21 07:55	11/04/21 14:12	1

r ethdc: 3020A - r etals (ICP9r S) - SPLP East

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 20:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 20:22	1

r ethdc: 7670A - r ex/ uxy (CBAA) - SPLP East

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:51	1

r ethdc: 7678M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
r ex/ uxy	0.062		0.019	0.0063	mg/Kg	☼	11/02/21 13:30	11/03/21 09:42	1

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Cyanice, Zdtal	0.65		0.28	0.14	mg/Kg	☼	11/09/21 14:23	11/09/21 15:46	1
pH	1.V		0.2	0.2	SU			10/28/21 15:39	1

Client Sample ID: V031B-81-M08 Dup
Date Cdlle/ tec: 809239 28 83:80
Date Re/ eivec: 809279 28 80:5V

Lab Sample ID: 500-207613-2
r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 1230M - Bdlatile Oxgani/ Cdmpduncs (GC9r S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
2-Butanone (MEK)	<0.0044		0.0044	0.0020	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.0013	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Chloroethane	<0.0044	*+	0.0044	0.0013	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Chloromethane	<0.0044	*-	0.0044	0.0018	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	10/27/21 19:14	11/01/21 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*30 - 174*	*10/23/21 18:14*	*11/01/21 17:08*	*1*
4-Bromofluorobenzene (Surr)	*8T*		*39 - 171*	*10/23/21 18:14*	*11/01/21 17:08*	*1*
Dibromofluoromethane	*83*		*39 - 125*	*10/23/21 18:14*	*11/01/21 17:08*	*1*
6oluene-dT (Surr)	*83*		*39 - 124*	*10/23/21 18:14*	*11/01/21 17:08*	*1*

r ethdc: 1270D - Semivdlatile Oxgani/ Cdmpduncs (GC9r S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207486-1

Client Sample ID: V031B-81-M08 Dup
Date Cdlle/ tec: 809239 28 83:80
Date Re/ eivec: 809279 28 80:5V

Lab Sample ID: 500-207613-2
r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 1270D - Semivdlatile Oxgani/ Cdmpduncs (GC9r S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2-Methylnaphthalene	<0.083		0.083	0.0076	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
A/ enaphthene	**0.028**	[	0.041	0.0074	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
A/ enaphthylene	**0.085**	[	0.041	0.0054	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Anthxa/ ene	**0.030**		0.041	0.0069	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Menzd]aJanthxa/ ene	**0.24**		0.041	0.0056	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Menzd]aJpyxene	**0.V2**		0.041	0.0080	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Menzd]bJfludxanthene	**0.64**		0.041	0.0089	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Menzd]g,h,iJpexylene	**0.82**		0.041	0.013	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Menzd]kJfludxanthene	**0.28**		0.041	0.012	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Chxysene	**0.V6**		0.041	0.011	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Dibenz(a,h)anthxa/ ene	**0.066**		0.041	0.0080	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Fludxanthene	**0.31**		0.041	0.0077	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Fludxene	**0.021**	[	0.041	0.0058	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207486-1

Client Sample ID: V031B-81-M08 Dup
Date Cdlle/ tec: 809239228 83:80
Date Re/ eivec: 809279228 80:5V

Lab Sample ID: 500-207613-2
r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 1270D - Semivdlatile Oxgani/ Cdmpduncs (GC9r S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Incend]8,2,V-/ c.Jpyxene	0.8V		0.041	0.011	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Phenanthxene	0.V5		0.041	0.0058	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1
Pyxene	0.38		0.041	0.0082	mg/Kg	☼	11/01/21 20:00	11/06/21 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,5-6ribromophenol	*T1*		*71 - 147*	*11/01/21 20:00*	*11/05/21 19:97*	*1*
2-Fluorobiphenyl	*T1*		*47 - 149*	*11/01/21 20:00*	*11/05/21 19:97*	*1*
2-Fluorophenol	*114*		*71 - 155*	*11/01/21 20:00*	*11/05/21 19:97*	*1*
Nitrobenzene-d9 (Surr)	*39*		*73 - 143*	*11/01/21 20:00*	*11/05/21 19:97*	*1*
Phenol-d9	*83*		*70 - 197*	*11/01/21 20:00*	*11/05/21 19:97*	*1*
6erphenyl-d14 (Surr)	*88*		*42 - 193*	*11/01/21 20:00*	*11/05/21 19:97*	*1*

r ethdc: 3080M - r etals (ICP)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Antimdny	0.6V	[M	1.2	0.23	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Axseni/	7.3		0.59	0.20	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Maxium	8V0		0.59	0.067	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Mexyllium	0.7V		0.24	0.055	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Mdxdn	V.3		2.9	0.27	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Cacmium	0.82	M	0.12	0.021	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Cal/ ium	1400		12	2.0	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Chxdmium	85		0.59	0.29	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Cdbalt	1.1		0.29	0.077	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Cdppex	87		0.59	0.17	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Ixdn	81000		12	6.1	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Leac	27		0.29	0.14	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
r agnesium	3800		5.9	2.9	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
r anganese	510		0.59	0.085	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Ni/ kel	84		0.59	0.17	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Pdtassium	8600		29	10	mg/Kg	☼	11/05/21 10:05	11/09/21 13:48	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Silvex	0.V5		0.29	0.076	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Sdcium	V30		59	8.7	mg/Kg	☼	11/05/21 10:05	11/09/21 13:48	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Banacium	26		0.29	0.070	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1
Tin/	77		1.2	0.52	mg/Kg	☼	11/05/21 10:05	11/08/21 14:52	1

r ethdc: 3080M - r etals (ICP) - ZCLP

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Iron	<0.40		0.40	0.20	mg/L		11/03/21 07:52	11/03/21 19:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/21 07:52	11/03/21 19:03	1
r anganese	0.85		0.025	0.010	mg/L		11/03/21 07:52	11/03/21 19:03	1

Client Sample ID: V031B-81-M08 Dup

Date Cdlle/ tec: 809239228 83:80
Date Re/ eivec: 809279228 80:5V

Lab Sample ID: 500-207613-2

r atxio: Sdlic
Pex/ ent Sdlics: 10.V

r ethdc: 3080M - r etals (ICP) - SPLP East

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Axseni/	0.0V0	[	0.050	0.010	mg/L		11/03/21 07:55	11/04/21 14:15	1
Maxium	0.54		0.50	0.050	mg/L		11/03/21 07:55	11/04/21 14:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/21 07:55	11/04/21 14:15	1
Mdxdn	0.078	[	0.10	0.050	mg/L		11/03/21 07:55	11/04/21 14:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/21 07:55	11/04/21 14:15	1
Cal/ ium	81		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:15	1
Chxdmium	0.040		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:15	1
Cdbalt	0.081	[	0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:15	1
Ixdn	43		0.40	0.20	mg/L		11/03/21 07:55	11/04/21 14:15	1
Leac	0.054		0.0075	0.0075	mg/L		11/03/21 07:55	11/04/21 14:15	1
r anganese	0.11		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:15	1
Ni/ kel	0.076		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:15	1
Pdtassium	8V		2.5	0.50	mg/L		11/03/21 07:55	11/04/21 14:15	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/21 07:55	11/04/21 14:15	1
Silver	<0.025		0.025	0.010	mg/L		11/03/21 07:55	11/04/21 14:15	1
Tin/	0.V6	[	0.50	0.020	mg/L		11/03/21 07:55	11/04/21 14:15	1

r ethdc: 3020A - r etals (ICP9r S) - SPLP East

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/21 07:55	11/15/21 20:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/21 07:55	11/15/21 20:24	1

r ethdc: 7670A - r ex/ uxy (CBAA) - SPLP East

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/21 10:25	11/04/21 10:53	1

r ethdc: 7678M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
r ex/ uxy	0.0V1		0.019	0.0064	mg/Kg	☼	11/02/21 13:30	11/03/21 09:44	1

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	Pxepaxec	Analyzec	Dil Fa/
Cyanice, Zdtal	0.6V		0.29	0.15	mg/Kg	☼	11/09/21 14:23	11/09/21 15:48	1
pH	1.V		0.2	0.2	SU			10/28/21 15:41	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207486-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Andrews Engineering Inc. Job ID: 500-207641-P
j ro/ectSite: IDT U - AE7-060

Laboratory: Eurofins TestAmerica, Chicago

h nless ot, erwise notedayll ynylf tes vor t, is lyborytorf were couered Nnder eyc, yccreditytionSertivicytion below.

Authority	Program	Identification Number	Expiration Date
Illinois	L E3Aj	I300095	06-2p-22

U, e vollowing ynylf tes yre inclNded in t, is remortabNt t, e lyborytorf is not certivied bf t, e gouerning yNt, oritf . U, is list Myf inclNde ynylf tes vor w, ic, t, e ygencf does not ower certivicytion.

Anylf sis x et, od	j remx et, od	x ytri8	Anylf te
1020A	90P0A	Oolid	AntiMonf
1020A	90P0A	Oolid	U, ylliNM
7670A	7670A	Oolid	x ercNrf
4210B	5095	Oolid	Pa9-Dic, loromromeneaUbtyl
x oistNre		Oolid	j ercent x oistNre
x oistNre		Oolid	j ercent Oolids

ENrovins UestAMericyaC, icygo

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

500-207486

500-207486 COC

Client Contact

Andrews Engineering, Inc
3300 Ginger Creek Drive
Springfield, IL 62711
217-787-2334
Contact Colleen Grey
email cgrey@andrews-eng com

Lab **Test America - Chicago**
Address **2417 Bond Street**
University Park, IL 60484
Phone **708-534-5200**
Contact **Dick Wright**
email richard wright@testamericainc com

Project Name AE7-040A
Project No PTB/WO: 184-006/040A
TAT ☒ 15 BD ☐ 10 BD ☐ 5 BD ☐ 2 BD ____ Other
Sampler: S. Radylovc

COC No 1 of 1
Lab Job No
Sample Temp 4.7

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-18-B01	10/26/21	16:00	S	X	X					X	X	X	X	X					4:00pm
2	3068V-18-B01 ALP	10/26/21	16:10	S	X	X					X	X	X	X	X					4:10 pm
3	Trip Blank #1				X															

Relinquished by		Date/Time 10/27/21	Received by	Date/Time 10/27/21 1000
Relinquished by		Date/Time 10/27/21 1057	Received by 10/27/21	Date/Time 1057
Relinquished by		Date/Time	Received by	Date/Time

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
25W 331 West Lake Street and 25W 319 West Lake Street

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97149 (Decimal Degrees) Longitude: -88.11877 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 103

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97149 Longitude: - 88.11877

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION 3068V-20-B01 WAS SAMPLED ADJACENT TO SITES 3068V-20 AND 3068V-21. SEE TABLE 3i AND FIGURE 3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207575-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-20
Commercial Building

Sample ID	3068V-20-B01	**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3					
Sample Date	10/27/2021	[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
PID	0					
Sample pH	8.2					
Matrix	Soil					
No Contaminants of Concern Noted.						

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207575-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:48:08 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample ID: 3068V-20-B01
Date Collected: 10/27/21 11:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207575-1
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
2-Butanone (MEK)	<0.0045		0.0045	0.0020	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.0013	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Acetone	**0.010**	**J**	0.018	0.0078	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/28/21 18:00	11/04/21 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*03 - 174*	*13/28/21 18:33*	*11/34/21 12:BB*	*1*
4-mrof obuorozen9ene (Surr)	*118*		*0B - 171*	*13/28/21 18:33*	*11/34/21 12:BB*	*1*
Dizrof obuorof ethane	*134*		*0B - 125*	*13/28/21 18:33*	*11/34/21 12:BB*	*1*
6oluene-d8 (Surr)	*114*		*0B - 124*	*13/28/21 18:33*	*11/34/21 12:BB*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1

Client Sample ID: 3068V-20-B01
Date Collected: 10/27/21 11:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207575-1
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Benzo[a]anthracene	**0.0069**	**J**	0.039	0.0053	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Benzo[b]fluoranthene	**0.0097**	**J**	0.039	0.0085	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Fluoranthene	**0.016**	**J**	0.039	0.0073	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1

Client Sample ID: 3068V-20-B01
Date Collected: 10/27/21 11:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207575-1
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Phenanthrene	**0.0094**	**J**	0.039	0.0055	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1
Pyrene	**0.013**	**J**	0.039	0.0078	mg/Kg	☼	11/02/21 13:40	11/10/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,5-6rizrof oThenol	*85*		*71 - 147*	*11/32/21 17:43*	*11/13/21 15:B7*	*1*
2-pluoroziThenFl	*y4*		*47 - 14B*	*11/32/21 17:43*	*11/13/21 15:B7*	*1*
2-pluoroThenol	*08*		*71 - 155*	*11/32/21 17:43*	*11/13/21 15:B7*	*1*
Nitrozen9ene-dB (Surr)	*52*		*70 - 140*	*11/32/21 17:43*	*11/13/21 15:B7*	*1*
Phenol-dB	*02*		*73 - 1B7*	*11/32/21 17:43*	*11/13/21 15:B7*	*1*
6erThenFl-d14 (Surr)	*83*		*42 - 1B0*	*11/32/21 17:43*	*11/13/21 15:B7*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.2	0.23	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Arsenic	**8.3**		0.59	0.20	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Barium	**76**		0.59	0.067	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Beryllium	**0.94**		0.23	0.055	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Boron	**6.4**	**B**	2.9	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Calcium	**24000**		12	2.0	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Chromium	**17**		0.59	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Cobalt	**14**		0.29	0.077	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Copper	**23**		0.59	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Iron	**21000**		12	6.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Lead	**19**		0.29	0.14	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Magnesium	**13000**		5.9	2.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Manganese	**490**	**B**	0.59	0.085	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Nickel	**31**		0.59	0.17	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Potassium	**1700**		29	10	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Silver	**0.35**		0.29	0.076	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Sodium	**1900**		59	8.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Thallium	**0.37**	**J**	0.59	0.29	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Vanadium	**24**		0.29	0.069	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1
Zinc	**71**		1.2	0.51	mg/Kg	☼	11/08/21 11:07	11/09/21 17:51	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/04/21 08:00	11/04/21 19:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/04/21 08:00	11/04/21 19:49	1
Chromium	<0.025		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:49	1
Iron	**0.24**	**J**	0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:49	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207575-1

Client Sample ID: 3068V-20-B01
Date Collected: 10/27/21 11:20
Date Received: 10/28/21 10:50

Lab Sample ID: 500-207575-1
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:49	1
Manganese	**11**		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:49	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:49	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:59	1
Barium	**0.88**		0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:59	1
Beryllium	**0.011**		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:59	1
Boron	**0.18**		0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:59	1
Calcium	**36**		2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:59	1
Chromium	**0.20**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:59	1
Cobalt	**0.11**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:59	1
Iron	**260**		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:59	1
Lead	**0.17**		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:59	1
Manganese	**3.5**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:59	1
Nickel	**0.28**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:59	1
Potassium	**33**		2.5	0.50	mg/L		11/05/21 07:49	11/09/21 15:16	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:59	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:59	1
Zinc	**0.71**		0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:59	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		11/04/21 08:00	11/16/21 15:59	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 21:19	1
Thallium	**0.0046**		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 21:19	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.018	0.0060	mg/Kg	☼	11/05/21 13:35	11/08/21 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.29	0.14	mg/Kg	☼	11/10/21 17:48	11/10/21 19:20	1
pH	**8.2**		0.2	0.2	SU			11/02/21 15:01	1

Definitions/Glossary

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207575-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Andrews Engineering Inc.
4 ro1ectP ite: ID/ S - AE7-0C0

Job ID: 500-207575-6

Laboratory: Eurofins TestAmerica, Chicago

Tnless otUerwise notedh, ll , n, lates yor tUis l, bor, tora were cof ered vnder e, cU , ccredit, tionPertiyic, tion below.

Authority	Program	Identification Number	Expiration Date
Illinois	u ENA4	IN000L5	0O-23-22

SUe yollowing , n, lates , re inclvded in tUis re9orthbvt tUe l, bor, tora is not certiyied ba tUe gof erning , vtUorita. SUis list p , a inclvde , n, lates yor wUicU tUe , genca does not oyyer certiyic, tion.

An, lasis metUod	4re9 metUod	m, triM	An, late
x020A	L060A	j olid	Antip ona
x020A	L060A	j olid	SU, llivp
7C70A	7C70A	j olid	mercvra
82x0B	50L5	j olid	6HL-DicUoro9ro9enehSot, l
moistvre		j olid	4ercent moistvre
moistvre		j olid	4ercent j olids

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

500-207575 COC

Client Contact	Laboratory		
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com	Project Name AE7-040A Project No PTB/WO: 184-006/040A TAT [X] 15 BD [ ] 10 BD [ ] 5 BD [ ] 2 BD ____ Other **Sampler:** S. Khodaei	COC No 1 of 1 Lab Job No 500-207575 Sample Temp 4.6

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	ANALYSES: VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-20-B01	10/27	1120	S	X	X					X	X	X	X	X					

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10/28/21 9:45
Relinquished by	Date/Time 10/28/21 9:45	Received by	Date/Time 10/28/21 0845
Relinquished by	Date/Time 10/28/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
6N 520 Virginia Road and 155 West Lake Street (southwest corner of Lake Street and Virginia Road)

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97109 (Decimal Degrees) Longitude: -88.11791 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: 0434825119 BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 67

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97109 Longitude: - 88.11791

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION 3068V-23-B01 WAS SAMPLED ADJACENT TO SITE 3068V-23. SEE TABLE 3k AND FIGURE 3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207581-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-23
Bloomingdale Rescue &
Recovery, Inc.

Sample ID	3068V-23-B01		**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3						
Sample Date	10/27/2021		[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
PID	0						
Sample pH	8.9						
Matrix	Soil						
Semivolatile Organic Compounds (mg/kg)							
Benzo(a)pyrene	**0.8**	**1,2**	0.09	0.09	0.98	1.3	2.1
Benzo(b)fluoranthene	**1.2**	**1,2,3**	0.9	0.9	0.9	1.5	2.1

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207581-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:51:15 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207581-1

Client Sample ID: 6081V-26-B03
Date Collected: 30/27/23 33:00
Date Received: 30/21/23 30:50

Lab Sample ID: 500-207513-3
Matrix: Solid
Percent Solids: 19.8

Method: 1280B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
2-Butanone (MEK)	<0.0048		0.0048	0.0021	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	10/28/21 18:00	11/04/21 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*03 - 174*	*13/28/21 18:33*	*11/34/21 17:40*	*1*
4-Bromofluorobenzene (Surr)	*119*		*05 - 171*	*13/28/21 18:33*	*11/34/21 17:40*	*1*
Dibromofluoromethane	*139*		*05 - 129*	*13/28/21 18:33*	*11/34/21 17:40*	*1*
6oluene-d8 (Surr)	*114*		*05 - 124*	*13/28/21 18:33*	*11/34/21 17:40*	*1*

Method: 1270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1

Client Sample ID: 6081V-26-B03
Date Collected: 30/27/23 33:00
Date Received: 30/21/23 30:50

Lab Sample ID: 500-207513-3
Matrix: Solid
Percent Solids: 19.8

Method: 1270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Acenaphthene	**0.020**	**J**	0.038	0.0070	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Acenaphthylene	**0.069**	**J**	0.038	0.0051	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Anthracene	**0.35**		0.038	0.0065	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Benzo[a]anthracene	**0.86**		0.038	0.0052	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Benzo[a]pyrene	**0.10**		0.038	0.0075	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Benzo[b]fluoranthene	**3.2**		0.038	0.0083	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Benzo[g4h4]perylene	**0.2,**		0.038	0.012	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Benzo[k]fluoranthene	**0.57**		0.038	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Chrysene	**0.16**		0.038	0.011	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Dibenz(a4h)anthracene	**0.017**		0.038	0.0075	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Fluoranthene	**3.1**		0.038	0.0072	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Fluorene	**0.06,**		0.038	0.0054	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1

Client Sample ID: 6081V-26-B03
Date Collected: 30/27/23 33:00
Date Received: 30/21/23 30:50

Lab Sample ID: 500-207513-3
Matrix: Solid
Percent Solids: 19.8

Method: 1270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[3246-cd]pyrene	0.62		0.038	0.010	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Naphthalene	0.001,	J	0.038	0.0060	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Phenanthrene	0.71		0.038	0.0054	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1
Pyrene	3.5		0.038	0.0077	mg/Kg	☼	11/02/21 13:40	11/10/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,9-6ribromoThenol	*8p*		*71 - 147*	*11/32/21 17:43*	*11/13/21 10:41*	*1*
2-FluorobiThenyl	*p8*		*47 - 145*	*11/32/21 17:43*	*11/13/21 10:41*	*1*
2-FluoroThenol	*09*		*71 - 199*	*11/32/21 17:43*	*11/13/21 10:41*	*1*
Nitrobenzene-d5 (Surr)	*07*		*70 - 140*	*11/32/21 17:43*	*11/13/21 10:41*	*1*
Phenol-d5	*08*		*73 - 157*	*11/32/21 17:43*	*11/13/21 10:41*	*1*
6erThenyl-d14 (Surr)	*132*		*42 - 150*	*11/32/21 17:43*	*11/13/21 10:41*	*1*

Method: 8030B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.95	J	1.1	0.21	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Arsenic	1.2		0.55	0.19	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Barium	12		0.55	0.063	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Beryllium	0.19		0.22	0.051	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Boron	9.8	B	2.8	0.26	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Calcium	62000		11	1.9	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Chromium	35		0.55	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Cobalt	32		0.28	0.072	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Copper	23		0.55	0.15	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Iron	3, 000		11	5.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Lead	96		0.28	0.13	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Magnesium	35000		5.5	2.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Manganese	590	B	0.55	0.080	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Nickel	29		0.55	0.16	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Potassium	3500		28	9.7	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Selenium	0.93	J	0.55	0.32	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Silver	0.2,		0.28	0.071	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Sodium	, 50		55	8.1	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Vanadium	26		0.28	0.065	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1
Tinc	16		1.1	0.48	mg/Kg	☼	11/08/21 11:07	11/09/21 17:57	1

Method: 8030B - Metals (ICP) - ZCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/04/21 08:00	11/04/21 19:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/04/21 08:00	11/04/21 19:23	1
Chromium	<0.025		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:23	1
Iron	<0.40		0.40	0.20	mg/L		11/04/21 08:00	11/04/21 19:23	1

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207581-1

Client Sample ID: 6081V-26-B03
Date Collected: 30/27/23 33:00
Date Received: 30/21/23 30:50

Lab Sample ID: 500-207513-3
Matrix: Solid
Percent Solids: 19.8

Method: 8030B - Metals (ICP) - ZCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0075		0.0075	0.0075	mg/L		11/04/21 08:00	11/04/21 19:23	1
Manganese	**0.56**		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:23	1
Nickel	<0.025		0.025	0.010	mg/L		11/04/21 08:00	11/04/21 19:23	1

Method: 8030B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.077**		0.050	0.010	mg/L		11/05/21 07:49	11/08/21 16:53	1
Barium	**0.72**		0.50	0.050	mg/L		11/05/21 07:49	11/08/21 16:53	1
Beryllium	**0.007,**		0.0040	0.0040	mg/L		11/05/21 07:49	11/08/21 16:53	1
Boron	**0.36**		0.10	0.050	mg/L		11/05/21 07:49	11/08/21 16:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/05/21 07:49	11/08/21 16:53	1
Calcium	**60**		2.5	0.50	mg/L		11/05/21 07:49	11/08/21 16:53	1
Chromium	**0.38**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:53	1
Cobalt	**0.050**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:53	1
Iron	**3, 0**		0.40	0.20	mg/L		11/05/21 07:49	11/08/21 16:53	1
Lead	**0.28**		0.0075	0.0075	mg/L		11/05/21 07:49	11/08/21 16:53	1
Manganese	**3.6**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:53	1
Nickel	**0.3,**		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:53	1
Potassium	**26**		2.5	0.50	mg/L		11/05/21 07:49	11/09/21 15:10	1
Selenium	<0.050		0.050	0.020	mg/L		11/05/21 07:49	11/08/21 16:53	1
Silver	<0.025		0.025	0.010	mg/L		11/05/21 07:49	11/08/21 16:53	1
Tinc	**0.8,**		0.50	0.020	mg/L		11/05/21 07:49	11/08/21 16:53	1

Method: 8020A - Metals (ICP/MS) - ZCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020	0.0020	mg/L		11/04/21 08:00	11/16/21 15:53	1

Method: 8020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/05/21 07:49	11/15/21 21:15	1
Zhallium	**0.0069**		0.0020	0.0020	mg/L		11/05/21 07:49	11/15/21 21:15	1

Method: 7970A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/05/21 09:50	11/08/21 10:44	1

Method: 7973B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.090**		0.018	0.0059	mg/Kg	☼	11/05/21 13:35	11/08/21 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.28	0.14	mg/Kg	☼	11/10/21 17:48	11/10/21 19:31	1
pH	**1.,**		0.2	0.2	SU			11/01/21 21:06	1

Definitions/Glossary

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207581-1

Qualifiers

GC/MS SeV i OAc

Qualifier	Qualifier Desprintion
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Desprintion
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

c bbreviation	These poV V only used abbreviations V ay or V ay not be rresent in this renrort.
¤	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

Accreditation/Certification Summary

Client: Andrews Engineering Inc. Job ID: 500-207564-4
1roRectj/ ite: IDSO- AE7-0T0

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditationjcertification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELA1	IL00035	0T-29-22

Che following analytes are included in this report, but the laboratory is not certified by the governing authority. Chis list may include analytes for which the agency does not offer certification.

Analysis Method	1rep Method	Matrix	Analyte
8020A	3040A	/ olid	Antimony
8020A	3040A	/ olid	Challium
7T70A	7T70A	/ olid	Mercury
6280B	5035	/ olid	4,3-Dichloropropene, Ctal
Moisture		/ olid	1ercent Moisture
Moisture		/ olid	1ercent / olids

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

500-207581 COC

Client Contact	Laboratory		
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com	Project Name AE7-040A Project No PTB/WO: 184-006/040A TAT [X] 15 BD [ ] 10 BD [ ] 5 BD [ ] 2 BD ____ Other **Sampler:** S. Khodaei	COC No 1 of 1 Lab Job No 500-207581 Sample Temp 4.6

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	30681-23-B01	10/27	1100	S	X	X					X	X	X	X	X					

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10/28/21 9:45A
Relinquished by	Date/Time 10/28/21 9:45A	Received by	Date/Time 10/28/21 0942
Relinquished by	Date/Time 10/28/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
25W 400-500 blocks of West Lake Street (northwest corner of Lake Street and Gary Avenue)

City: Hanover Park State: IL Zip Code: 60133

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97238 (Decimal Degrees) Longitude: -88.11976 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: 0434825048 BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 835

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97238 Longitude: - 88.11976

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS 3068V-26-B03, 3068V-26-B05, 3068V-26-B07, 3068V-12-B08 AND 3068V-26-B09 WERE SAMPLED ADJACENT TO SITE 3068V-26. SEE TABLE 3I AND FIGURES 2, 3 AND 5 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBERS: 500-213879-1 AND 500-207569-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide

ISGS Site 3068V-26
Vacant Land

Sample ID	3068V-26-B03		3068V-26-B05		3068V-26-B07-1		3068V-26-B07-1 DUP		**Maximum Allowable Concentration**				
Sample Depth (ft)	0-3		0-5		0-7.5		0-7.5						
Sample Date	3/17/2022		3/17/2022		10/27/2021		10/27/2021						
PID	0		0		0		0						
Sample pH	7.5		8.2		8.2		8.2		[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
Matrix	Soil		Soil		Soil		Soil						
Semivolatile Organic Compounds (mg/kg)													
Benzo(a)pyrene	ND		**0.098**	**1,2**	ND		ND		0.09	0.09	0.98	1.3	2.1

Sample ID	3068V-26-B07-2		3068V-26-B08		3068V-26-B09		**Maximum Allowable Concentration**				
Sample Depth (ft)	7.5-15		0-3		0-3						
Sample Date	10/27/2021		10/27/2021		10/27/2021						
PID	0		0		0						
Sample pH	8		7.6		7.8		[1] Most Stringent	[2] Outside a Populated Area	[3] Within a Populated non-Metropolitan Statistical Area	[4] Within Chicago Corporate Limits	[5] Within a Metropolitan Statistical Area
Matrix	Soil		Soil		Soil						
Semivolatile Organic Compounds (mg/kg)											
Benzo(a)pyrene	ND		ND		ND		0.09	0.09	0.98	1.3	2.1

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-213879-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
4/1/2022 11:52:07 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample ID: 3068V-26-B03

Lab Sample ID: 500-213879-1

Date Collected: 03/17/22 10:45 **Matrix: Solid**

Date Received: 03/18/22 11:55 **Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7a7a7-, srP<eosot dk3At	m0j0071		0j0071	0j000K7	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a7a2a2-, t ds3P<eosot dk3At	m0j0071		0j0071	0j00051	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a7a2-, srP<eosot dk3At	m0j0071		0j0071	0j000C1	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a7-DrP<eosot dk3At	m0j0071		0j0071	0j000K2	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a7-DrP<eosot dkt At	m0j0071		0j0071	0j000K6	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a2-DrP<eosot dk3At	m0j00hK		0j00hK	0j007h	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a2-DrP<eosopsop3At	m0j0071		0j0071	0j000hC	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
7a6-DrP<eosopsopt At a, odße	m0j0071		0j0071	0j000Kh	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
2-BudßAoAt (Mc8)	m0j00hK		0j00hK	0j0020	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
2-Ht x3AoAt	m0j00hK		0j00hK	0j007h	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
h-Mt dkye2-pt AdßAoAt (MIB8)	m0j00hK		0j00hK	0j0076	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
r Pt dbAt	m0j071		0j071	0j00Cl	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Bt Azt At	m0j0071		0j0071	0j000hC	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Bso☼owrP<eoso☼t dk3At	m0j0071		0j0071	0j0006C	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Bso☼ofos☼	m0j0071		0j0071	0j00056	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Bso☼o☼t dk3At	m0j00hK		0j00hK	0j007C	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
i 3sboA wrguefrwt	m0j00hK		0j00hK	0j000l 5	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
i 3sboA dt ds3P<eosrwt	m0j0071		0j0071	0j00056	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
i <eosobt Azt At	m0j0071		0j0071	0j000KC	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
i <eosot dk3At	m0j00hK		0j00hK	0j0076	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
i <eosofos☼	m0j0071		0j0071	0j000K6	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
i <eoso☼t dk3At	m0j00hK		0j00hK	0j0071	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Prg-7a2-DrP<eosot dkt At	m0j0071		0j0071	0j00057	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Prg-7a6-DrP<eosopsopt At	m0j0071		0j0071	0j00055	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Drbso☼oP<eoso☼t dk3At	m0j0071		0j0071	0j000K0	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
c dkyebt Azt At	m0j0071		0j0071	0j0001C	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Mt dkyed sdbudyet dkt s	m0j0071		0j0071	0j0005h	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Mt dkyel At i <eosrwt	m0j00hK		0j00hK	0j0071	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Tdyst At	m0j0071		0j0071	0j00055	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
, t ds3P<eosot dkt At	m0j0071		0j0071	0j000K2	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
, oeut At	m0j0071		0j0071	0j000hK	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
ds3Ag-7a2-DrP<eosot dkt At	m0j0071		0j0071	0j00017	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
ds3Ag-7a6-DrP<eosopsopt At	m0j0071		0j0071	0j000Kh	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
, srP<eosot dkt At	m0j0071		0j0071	0j000K2	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
* rrAyeP<eosrwt	m0j0071	+V	0j0071	0j00017	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7
Xyel At ga, odße	m0j006K		0j006K	0j00051	☼. C8.	9	06O71O22 71:7h	06O25O22 00:52	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*03*		*7/ - 184*	*/ 8:10:22 10ß14*	*/ 8:2m22 / / ßm2*	*1*
4-f rob ozluoro9en5ene (Surr)	*06*		*7m- 181*	*/ 8:10:22 10ß14*	*/ 8:2m22 / / ßm2*	*1*
Di9rob ozluorob ethane	*1/ 3*		*7m- 123*	*/ 8:10:22 10ß14*	*/ 8:2m22 / / ßm2*	*1*
Toluene-d0 (Surr)	*60*		*7m- 124*	*/ 8:10:22 10ß14*	*/ 8:2m22 / / ßm2*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7a2ah-, srP<eosobt Azt At	m0j20		0j20	0j0h2	☼. C8.	9	06O60O22 7l :6K	06O67O22 72:hC	7
7a2-DrP<eosobt Azt At	m0j20		0j20	0j0hC	☼. C8.	9	06O60O22 7l :6K	06O67O22 72:hC	7
7a6-DrP<eosobt Azt At	m0j20		0j20	0j0hh	☼. C8.	9	06O60O22 7l :6K	06O67O22 72:hC	7
7ah-DrP<eosobt Azt At	m0j20		0j20	0j050	☼. C8.	9	06O60O22 7l :6K	06O67O22 72:hC	7
2a2'-oxybrg[7-P<eosopsop3At]	m0j20		0j20	0j0h5	☼. C8.	9	06O60O22 7l :6K	06O67O22 72:hC	7

c usofrAg i <rP3. o

Client Sample ID: 3068V-26-B03 Lab Sample ID: 500-213879-1

Date Collected: 03/17/22 10:45 **Matrix: Solid**
Date Received: 03/18/22 11:55 **Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2aha5-, srP<eosop<t Aoe	m0j6l		0j6l	0j01l	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2ahaK-, srP<eosop<t Aoe	m0j6l		0j6l	0j76	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2ah-DrP<eosop<t Aoe	m0j6l		0j6l	0j0l 6	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2ah-Dr☼t dkyep<t Aoe	m0j6l		0j6l	0j75	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2ah-DrArdsop<t Aoe	m0jCl		0jCl	0jKl	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2ah-DrArdsodbeut At	m0j20		0j20	0j0K2	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2aK-DrArdsodbeut At	m0j20		0j20	0j0CC	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2-i <eosoA3p<dk3et At	m0j20		0j20	0j0h6	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2-i <eosop<t Aoe	m0j20		0j20	0j0KC	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2-Mt dkyeA3p<dk3et At	m0j0Cl		0j0Cl	0j00C2	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2-Mt dkyep<t Aoe	m0j20		0j20	0j0K6	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2-Nrdso3AreAt	m0j20		0j20	0j056	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
2-Nrdsop<t Aoe	m0j6l		0j6l	0j0l 6	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
6 & h Mt dkyep<t Aoe	m0j20		0j20	0j0K5	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
6a6'-DrP<eosobt AzrwrAt	m0j20		0j20	0j055	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
6-Nrdso3AreAt	m0j6l		0j6l	0j72	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
haK-DrArdso-2-☼t dkyep<t Aoe	m0jCl		0jCl	0j62	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
h-Bso☼op<t Ayep<t Ayet dkt s	m0j20		0j20	0j052	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
h-i <eoso-6-☼t dkyep<t Aoe	m0j6l		0j6l	0j76	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
h-i <eoso3AreAt	m0jCl		0jCl	0j71	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
h-i <eosop<t Ayep<t Ayet dkt s	m0j20		0j20	0j0hK	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
h-Nrdso3AreAt	m0j6l		0j6l	0j7K	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
h-Nrdsop<t Aoe	m0jCl		0jCl	0j6C	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
r Pt A3p<dkt At	m0j06l		0j06l	0j00C0	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
r Pt A3p<dkyet At	m0j06l		0j06l	0j0052	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
r Adks3Pt At	m0j06l		0j06l	0j00KK	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Bt Azo[3]3Adks3Pt At	m0j06l		0j06l	0j0056	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Bt Azo[3]pyst At	m0j06l		0j06l	0j00CK	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Bt Azo[b]feuos3Adkt At	m0j06l		0j06l	0j0015	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Bt Azo[. a<a]pt syet At	m0j06l		0j06l	0j076	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Bt Azo[F]feuos3Adkt At	m0j06l		0j06l	0j072	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Brg(2-P<eosot dkoxy)☼t dk3At	m0j20		0j20	0j0h0	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Brg(2-P<eosot dkyet dkt s	m0j20		0j20	0j05l	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Brg(2-t dkyekt xyej p<dk3e3d	m0j20		0j20	0j0C2	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Budyebt Azyep<dk3e3d	m0j20		0j20	0j0C5	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
i 3sb3zoet	m0j20		0j20	0j0l 1	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
i <sygt At	m0j06l		0j06l	0j077	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Drbt Az(3a<)3Adks3Pt At	m0j06l		0j06l	0j00CK	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Drbt Azofus3A	m0j20		0j20	0j0hK	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Drt dkyep<dk3e3d	m0j20		0j20	0j0KK	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Dr☼t dkyep<dk3e3d	m0j20		0j20	0j057	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
DrA-budyep<dk3e3d	m0j20		0j20	0j0K0	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
DrA-oPdyep<dk3e3d	m0j20		0j20	0j0Kh	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Leuos3Adkt At	m0j06l		0j06l	0j00C6	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Leuost At	m0j06l		0j06l	0j0055	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Ht x3P<eosobt Azt At	m0j0Cl		0j0Cl	0j00l 7	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Ht x3P<eosobud3wrt At	m0j20		0j20	0j0K2	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Ht x3P<eosoPyPeopt Ad3wrt At	m0jCl		0jCl	0j26	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7
Ht x3P<eosot dk3At	m0j20		0j20	0j0K0	☼. C8.	9	06630022 7l :6K	06637022 72:hC	7

Client Sample ID: 3068V-26-B03 Lab Sample ID: 500-213879-1

Date Collected: 03/17/22 10:45 **Matrix: Solid**

Date Received: 03/18/22 11:55 **Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
IAwt Ao[7a2a6-Pw]pyst At	m0j06I		0j06I	0j070	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
Igop<osoAt	m0j20		0j20	0j0hh	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
N3p<d<3et At	m0j06I		0j06I	0j00K0	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
Nrdsobt Azt At	m0j06I		0j06I	0j00I 1	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
N-Nrdsogowr-A-psopye3☼rAt	m0j0Cl		0j0Cl	0j0h1	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
N-Nrdsogowp<t Aye3☼rAt	m0j20		0j20	0j0hK	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
/ t Ad3P<eosop<t Aoe	m0jCl		0jCl	0jK6	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
/ <t A3Ad<st At	m0j06I		0j06I	0j0055	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
/ <t Aoe	m0j20		0j20	0j01C	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7
/ yst At	m0j06I		0j06I	0j00C1	☼. ☼.	9	06☼0☼22 7I :6K	06☼7☼22 72:hC	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,3-Tri9rob ophenol	*61*		*81 - 148*	*/ 8:8/ :22 16B3*	*/ 8:81:22 12B7*	*1*
2-Fluoro9iphenyl	*71*		*48 - 14m*	*/ 8:8/ :22 16B3*	*/ 8:81:22 12B7*	*1*
2-Fluorophenol	*1/ 3*		*81 - 133*	*/ 8:8/ :22 16B3*	*/ 8:81:22 12B7*	*1*
Nitro9en5ene-dm(Surr)	*3m*		*87 - 147*	*/ 8:8/ :22 16B3*	*/ 8:81:22 12B7*	*1*
Phenol-dm	*61*		*8/ - 1m8*	*/ 8:8/ :22 16B3*	*/ 8:81:22 12B7*	*1*
Terphenyl-d14 (Surr)	*1/ 1*		*42 - 1m7*	*/ 8:8/ :22 16B3*	*/ 8:81:22 12B7*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.72**	**J**	7j7	0j22	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Arsenic	**11**		0j5C	0j7I	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Barium	**48**		0j5C	0j0K5	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Beryllium	**0.79**		0j26	0j056	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Boron	**7.2**		2j1	0j2K	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
i 3w☼ru☼	m0j77		0j77	0j020	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Calcium	**47000**		5C	I jK	☼. ☼.	9	06☼25☼22 0K:71	06☼21☼22 72:66	5
Chromium	**15**	**B**	0j5C	0j21	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Cobalt	**13**		0j21	0j0Ch	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Copper	**29**		0j5C	0j7K	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Iron	**21000**		77	5jI	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Lead	**17**		0j21	0j76	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Magnesium	**23000**		5jC	2j1	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Manganese	**450**		0j5C	0j012	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Nickel	**32**		0j5C	0j7C	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Potassium	**1600**		21	70	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Tt et Aru☼	m0j5C		0j5C	0j66	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Silver	**0.30**		0j21	0j0C6	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Sodium	**120**	**B**	5C	1jh	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Thallium	**0.72**		0j5C	0j21	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Vanadium	**18**		0j21	0j0KC	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7
Zinc	**68**		7j7	0j50	☼. ☼.	9	06☼25☼22 0K:71	06☼25☼22 7I :5K	7

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
IsoA	m0j20		0j20	0j20	☼. ☼		06☼I ☼22 01:5K	06☼I ☼22 27:7C	7

c usofrAg i <rP3. o

Client Sample Results

Client Sample ID: 3068V-26-B03

Lab Sample ID: 500-213879-1

Date Collected: 03/17/22 10:45
Matrix: Solid
Date Received: 03/18/22 11:55
Percent Solids: 83.7

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
r sgt AnP	m0j050		0j050	0j070	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
B3snu☼	m0j50		0j50	0j050	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Bt syeu☼	m0j00h0		0j00h0	0j00h0	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Boron	**0.050**	**J**	0j70	0j050	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
i 3w☼nu☼	m0j0050		0j0050	0j0020	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Calcium	**11**		2j5	0j50	☼. Ok		06C2l C22 0l :07	06G7C22 77:6h	7
Chromium	**0.011**	**J**	0j025	0j070	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
i ob3ed	m0j025		0j025	0j070	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Iron	**13**		0jh0	0j20	☼. Ok		06C2l C22 0l :07	06G7C22 77:6h	7
kt 3w	m0j00C5		0j00C5	0j00C5	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Manganese	**0.060**		0j025	0j070	☼. Ok		06C2l C22 0l :07	06G7C22 77:6h	7
Nickel	**0.011**	**J**	0j025	0j070	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Potassium	**3.3**		2j5	0j50	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Tt e Anu☼	m0j050		0j050	0j020	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Tnevt s	m0j025		0j025	0j070	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7
Zinc	**0.040**	**J**	0j50	0j020	☼. Ok		06C2l C22 0l :07	06G0C22 75:71	7

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
r Adi☼oAy	m0j00K0		0j00K0	0j00K0	☼. Ok		06C2l C22 0l :07	06C2l C22 7l :22	7
, <3eu☼	m0j0020		0j0020	0j0020	☼. Ok		06C2l C22 0l :07	06C2l C22 7l :22	7

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mt sPusy	m0j00020		0j00020	0j00020	☼. Ok		06C2l C22 77:05	06G0C22 70:72	7

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**		0j07l	0j00K2	☼. G3.	9	06C2l C22 7h:25	06G0C22 70:0l	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
i y3Anwt a, oc3e	m0j21		0j21	0j7h	☼. G3.	9	06C2l C22 77:62	06C2l C22 76:hC	7
pH	**7.5**		0j2	0j2	TU			06C26C22 20:6K	7

Client Sample ID: 3068V-26-B05

Lab Sample ID: 500-213879-3

Date Collected: 03/17/22 09:45

Matrix: Solid

Date Received: 03/18/22 11:55

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7a7a7-, srP<eosot d<3At	m0j0027		0j0027	0j000Kl	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a7a2a2-, t ds3P<eosot d<3At	m0j0027		0j0027	0j000KK	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a7a2-, srP<eosot d<3At	m0j0027		0j0027	0j00011	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a7-DrP<eosot d<3At	m0j0027		0j0027	0j000C0	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a7-DrP<eosot d<t At	m0j0027		0j0027	0j000C7	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a2-DrP<eosot d<3At	m0j0057		0j0057	0j007K	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a2-DrP<eosopsop3At	m0j0027		0j0027	0j00056	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
7a6-DrP<eosopsopt At a, oߌe	m0j0027		0j0027	0j000C2	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
2-Butanone (MEK)	**0.013**		0j0057	0j0026	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
2-Ht x3AoAt	m0j0057		0j0057	0j007K	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
h-Mt d<ye2-pt Ad3AoAt (MIB8)	m0j0057		0j0057	0j0075	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Acetone	**0.088**		0j027	0j001l	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Bt Azt At	m0j0027		0j0027	0j00052	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Bso☼owP<eoso☼t d<3At	m0j0027		0j0027	0j000h2	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Bso☼ofos☼	m0j0027		0j0027	0j000K0	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Bso☼o☼t d<3At	m0j0057	+V	0j0057	0j007l	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
i 3sboA wrguefwt	m0j0057		0j0057	0j0077	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
i 3sboA d ds3P<eosrwt	m0j0027		0j0027	0j0005l	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
i <eosobt Azt At	m0j0027		0j0027	0j000CK	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
i <eosot d<3At	m0j0057		0j0057	0j0075	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
i <eosofos☼	m0j0027		0j0027	0j000C7	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
i <eoso☼t d<3At	m0j0057		0j0057	0j0027	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Prg-7a2-DrP<eosot d<t At	m0j0027		0j0027	0j0005C	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Prg-7a6-DrP<eosopsopt At	m0j0027		0j0027	0j000K2	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Drbso☼oP<eoso☼t d<3At	m0j0027		0j0027	0j000KC	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
c d<yebt Azt At	m0j0027		0j0027	0j000l 1	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Mt d<yed sd-budyet d<t s	m0j0027		0j0027	0j000K0	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Mt d<yet At i <eosrwt	m0j0057		0j0057	0j0020	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Tdyst At	m0j0027		0j0027	0j000K2	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
, t ds3P<eosot d<t At	m0j0027		0j0027	0j000C0	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
, oeut At	m0j0027		0j0027	0j00052	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
ds3Ag-7a2-DrP<eosot d<t At	m0j0027		0j0027	0j000l 7	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
ds3Ag-7a6-DrP<eosopsopt At	m0j0027		0j0027	0j000C2	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
, srP<eosot d<t At	m0j0027		0j0027	0j000Kl	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
* rAyeP<eosrwt	m0j0027		0j0027	0j000l 7	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7
Xyet At ga, oߌe	m0j00h7		0j00h7	0j000KK	☼. Œ.	9	06O71O22 71:7h	06O25O22 77:5l	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*7/ - 184*	*/ 8:10:22 10B14*	*/ 8:2m22 11Bn6*	*1*
4-f rob ozluoro9en5ene (Surr)	*12/*		*7m- 181*	*/ 8:10:22 10B14*	*/ 8:2m22 11Bn6*	*1*
Di9rob ozluorob ethane	*118*		*7m- 123*	*/ 8:10:22 10B14*	*/ 8:2m22 11Bn6*	*1*
Toluene-d0 (Surr)	*1/ 0*		*7m- 124*	*/ 8:10:22 10B14*	*/ 8:2m22 11Bn6*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7a2ah-, srP<eosobt Azt At	m0j20		0j20	0j0h6	☼. Œ.	9	06O30O22 7l :6K	06O37O22 76:6h	7
7a2-DrP<eosobt Azt At	m0j20		0j20	0j0hC	☼. Œ.	9	06O30O22 7l :6K	06O37O22 76:6h	7
7a6-DrP<eosobt Azt At	m0j20		0j20	0j0h5	☼. Œ.	9	06O30O22 7l :6K	06O37O22 76:6h	7
7ah-DrP<eosobt Azt At	m0j20		0j20	0j057	☼. Œ.	9	06O30O22 7l :6K	06O37O22 76:6h	7
2a2'-oxybrg[7-P<eosopsop3At]	m0j20		0j20	0j0hK	☼. Œ.	9	06O30O22 7l :6K	06O37O22 76:6h	7

c usofrAg i <rP3. o

Client Sample ID: 3068V-26-B05

Date Collected: 03/17/22 09:45
Date Received: 03/18/22 11:55

Lab Sample ID: 500-213879-3

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2aha5-, srP<eosop<t Aoe	m0j6l		0j6l	0j0l 0	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2ahaK-, srP<eosop<t Aoe	m0j6l		0j6l	0j7h	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2ah-DrP<eosop<t Aoe	m0j6l		0j6l	0j0l h	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2ah-Dr☼t dkyep<t Aoe	m0j6l		0j6l	0j75	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2ah-DrArdsop<t Aoe	m0j10		0j10	0jC0	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2ah-DrArdsodbeut At	m0j20		0j20	0j0K6	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2aK-DrArdsodbeut At	m0j20		0j20	0j0C1	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2-i <eosoA3p<dk3el At	m0j20		0j20	0j0hh	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2-i <eosop<t Aoe	m0j20		0j20	0j0K1	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2-Mt dkyeA3p<dk3el At	m0j010		0j010	0j00C6	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2-Mt dkyep<t Aoe	m0j20		0j20	0j0Kh	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2-Nrdso3AreAt	m0j20		0j20	0j056	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
2-Nrdsop<t Aoe	m0j6l		0j6l	0j0l h	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
6 & h Mt dkyep<t Aoe	m0j20		0j20	0j0KK	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
6a6'-DrP<eosobt AzrwrAt	m0j20		0j20	0j055	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
6-Nrdso3AreAt	m0j6l		0j6l	0j72	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
haK-DrArdso-2-☼t dkyep<t Aoe	m0j10		0j10	0j62	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
h-Bso☼op<t Ayep<t Ayet dkt s	m0j20		0j20	0j052	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
h-i <eoso-6-☼t dkyep<t Aoe	m0j6l		0j6l	0j76	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
h-i <eoso3AreAt	m0j10		0j10	0j7l	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
h-i <eosop<t Ayep<t Ayet dkt s	m0j20		0j20	0j0hK	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
h-Nrdso3AreAt	m0j6l		0j6l	0j7C	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
h-Nrdsop<t Aoe	m0j10		0j10	0j61	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
r Pt A3p<dkt At	m0j06l		0j06l	0j00C7	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
r Pt A3p<dkyel At	m0j06l		0j06l	0j0052	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Anthracene	**0.0086**	**J**	0j06l	0j00KK	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Benzo[a]anthracene	**0.071**		0j06l	0j0056	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Benzo[a]pyrene	**0.098**		0j06l	0j00CC	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Benzo[b]fluoranthene	**0.17**		0j06l	0j0015	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Benzo[g,h,i]perylene	**0.061**		0j06l	0j076	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Benzo[k]fluoranthene	**0.070**		0j06l	0j072	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Brg(2-P<eosot dkoxy)☼t dk3At	m0j20		0j20	0j0h0	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Brg(2-P<eosot dkyet dkt s	m0j20		0j20	0j05l	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Brg(2-t dkyekt xye) p<dk3e3d	m0j20		0j20	0j0C2	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Budyebt Azyep<dk3e3d	m0j20		0j20	0j0C5	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
i 3sb3zoe	m0j20		0j20	0j0l l	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Chrysene	**0.11**		0j06l	0j077	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Dibenz(a,h)anthracene	**0.012**	**J**	0j06l	0j00CC	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Drbt Azofus3A	m0j20		0j20	0j0hK	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Drt dkyep<dk3e3d	m0j20		0j20	0j0KC	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Dr☼t dkyep<dk3e3d	m0j20		0j20	0j052	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
DrA-budyep<dk3e3d	m0j20		0j20	0j0K0	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
DrA-oPdyep<dk3e3d	m0j20		0j20	0j0K5	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Fluoranthene	**0.20**		0j06l	0j00C6	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Leuost At	m0j06l		0j06l	0j005K	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Ht x3P<eosobt Azt At	m0j010		0j010	0j00l 2	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Ht x3P<eosobud3wrt At	m0j20		0j20	0j0K2	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Ht x3P<eosoPyPeopt Ad3wrt At	m0j10		0j10	0j26	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7
Ht x3P<eosot dk3At	m0j20		0j20	0j0K0	☼. ß.	9	06ß0ß22 7l :6K	06ß7ß22 76:6h	7

Client Sample ID: 3068V-26-B05

Lab Sample ID: 500-213879-3

Date Collected: 03/17/22 09:45

Matrix: Solid

Date Received: 03/18/22 11:55

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**0.057**		0j06l	0j070	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
Igop<osoAt	m0j20		0j20	0j0hh	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
N3p<dk3et At	m0j06l		0j06l	0j00K7	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
Nrdsobt Azt At	m0j06l		0j06l	0j00l l	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
N-Nrdsogown-A-psopye3☼nAt	m0j010		0j010	0j0h1	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
N-Nrdsogowp<t Aye3☼nAt	m0j20		0j20	0j0hC	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
/ t Ad3P<eosop<t Aoe	m0j10		0j10	0jKh	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
Phenanthrene	**0.058**		0j06l	0j0055	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
/ <t Aoe	m0j20		0j20	0j011	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7
Pyrene	**0.20**		0j06l	0j00Cl	☼. ß.	9	0660022 7l :6K	0667022 76:6h	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,3-Tri9rob ophenol	*08*		*81 - 148*	*/ 8:8/ :22 16B3*	*/ 8:81:22 18B4*	*1*
2-Fluoro9iphenyl	*3m*		*48 - 14m*	*/ 8:8/ :22 16B3*	*/ 8:81:22 18B4*	*1*
2-Fluorophenol	*64*		*81 - 133*	*/ 8:8/ :22 16B3*	*/ 8:81:22 18B4*	*1*
Nitro9en5ene-dm(Surr)	*46*		*87 - 147*	*/ 8:8/ :22 16B3*	*/ 8:81:22 18B4*	*1*
Phenol-dm	*63*		*8/ - 1m8*	*/ 8:8/ :22 16B3*	*/ 8:81:22 18B4*	*1*
Terphenyl-d14 (Surr)	*1/ 0*		*42 - 1m7*	*/ 8:8/ :22 16B3*	*/ 8:81:22 18B4*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.59**	**J**	7j7	0j22	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Arsenic	**8.4**		0j5K	0j7l	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Barium	**66**		0j5K	0j0K6	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Beryllium	**0.76**		0j22	0j052	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Boron	**6.1**		2j1	0j2K	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Cadmium	**0.032**	**J B**	0j77	0j020	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Calcium	**41000**		5K	l jh	☼. ß.	9	0625022 0K:71	0621022 72:h0	5
Chromium	**18**	**B**	0j5K	0j21	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Cobalt	**10**		0j21	0j0C6	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Copper	**26**		0j5K	0j7K	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Iron	**18000**		77	5j1	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Lead	**43**		0j21	0j76	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Magnesium	**18000**		5jK	2j1	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Manganese	**520**		0j5K	0j017	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Nickel	**24**		0j5K	0j7K	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Potassium	**1500**		21	l jl	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Tt et Anu☼	m0j5K		0j5K	0j66	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Silver	**0.26**	**J**	0j21	0j0C2	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Sodium	**620**	**B**	5K	1j2	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Thallium	**0.41**	**J**	0j5K	0j21	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Vanadium	**21**		0j21	0j0KK	☼. ß.	9	0625022 0K:71	0625022 20:06	7
Zinc	**78**		7j7	0jhl	☼. ß.	9	0625022 0K:71	0625022 20:06	7

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
r sgt AnP	m0j050		0j050	0j070	☼. Ø		062l 022 01:5K	062l 022 27:7h	7
Bt syeau☼	m0j00h0		0j00h0	0j00h0	☼. Ø		062l 022 01:5K	062l 022 27:7h	7
i <so☼nu☼	m0j025		0j025	0j070	☼. Ø		062l 022 01:5K	062l 022 27:7h	7
IsoA	m0jh0		0jh0	0j20	☼. Ø		062l 022 01:5K	062l 022 27:7h	7

Client Sample ID: 3068V-26-B05

Date Collected: 03/17/22 09:45
Date Received: 03/18/22 11:55

Lab Sample ID: 500-213879-3

Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
kt 3w	m0j00C5		0j00C5	0j00C5	☼. ®		06Q2l Q22 01:5K	06Q2l Q22 27:7h	7
Manganese	**4.0**		0j025	0j070	☼. ®		06Q2l Q22 01:5K	06Q2l Q22 27:7h	7
Nickel	**0.013**	**J**	0j025	0j070	☼. ®		06Q2l Q22 01:5K	06Q2l Q22 27:7h	7

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.054**		0j050	0j070	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Barium	**0.48**	**J**	0j50	0j050	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Beryllium	**0.0053**		0j00h0	0j00h0	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Boron	**0.15**		0j70	0j050	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
i 3w☼nu☼	m0j0050		0j0050	0j0020	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Calcium	**27**		2j5	0j50	☼. ®		06Q2l Q22 0l :07	06Q7Q22 77:5C	7
Chromium	**0.12**		0j025	0j070	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Cobalt	**0.041**		0j025	0j070	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Iron	**130**		0jh0	0j20	☼. ®		06Q2l Q22 0l :07	06Q7Q22 77:5C	7
Lead	**0.12**		0j00C5	0j00C5	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Manganese	**0.90**		0j025	0j070	☼. ®		06Q2l Q22 0l :07	06Q7Q22 77:5C	7
Nickel	**0.14**		0j025	0j070	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Potassium	**22**		2j5	0j50	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Tt e Anu☼	m0j050		0j050	0j020	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Tnevt s	m0j025		0j025	0j070	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7
Zinc	**0.44**	**J**	0j50	0j020	☼. ®		06Q2l Q22 0l :07	06Q6Q22 75:6h	7

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
, <3eau☼	m0j0020		0j0020	0j0020	☼. ®		06Q2l Q22 01:5K	06Q7Q22 72:62	7

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
r Adh☼oAy	m0j00K0		0j00K0	0j00K0	☼. ®		06Q2l Q22 0l :07	06Q2l Q22 7l :62	7
Thallium	**0.0034**		0j0020	0j0020	☼. ®		06Q2l Q22 0l :07	06Q2l Q22 7l :62	7

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mt sPusy	m0j00020		0j00020	0j00020	☼. ®		06Q2l Q22 77:05	06Q6Q22 70:7C	7

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0j071	0j00K7	☼. ®.	9	06Q2l Q22 7h:25	06Q6Q22 70:76	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.15**	**J**	0j21	0j7h	☼. ®.	9	06Q2l Q22 77:62	06Q2l Q22 76:56	7
pH	**8.2**		0j2	0j2	TU			06Q26Q22 20:h7	7

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-213879-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General CTemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	hTese commonly used abbreviations may or may not be present in tTis 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

Accreditation/Certification Summary

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-213879-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

213879 COC

Client Contact	Laboratory	Project Name AE7-040A	COC No 1 of 1
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com	Project No PTB/WO: 184-006/040A TAT ☒ 15 BD ☐ 10 BD ☐ 5 BD ☐ 2 BD ____ Other **Sampler:** S. Khodaei, S. Heinz	Lab Job No. 600-213879 Sample Temp. 2.7

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	ANALYSES: VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-26-B03	3/17/22	1045	S	X	X					X	X	X	X	X					
2	3068V-26-B04	3/17/22	1015	S	X	X					X	X	X	X	X					
3	3068V-26-B05	3/17/22	0945	S	X	X					X	X	X	X	X					
4	3068V-26-B06	3/17/22	0915	S	X	X					X	X	X	X	X					
5	Trip Blank #3				X															

Relinquished by	Date/Time	Received by	Date/Time
[signature]	3/18/22 1055	[signature]	3/18/22 1055
[signature]	3/18/22 1155	[signature]	3/18/22 1155

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-207569-1
Client Project/Site: IDOT - AE7-040

For:
Andrews Engineering Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711

Attn: Ms. Colleen Grey

Authorized for release by:
11/17/2021 11:43:47 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

Client Sample Results

I ient A dt r vms E g t ce nnve c lt . P
j vo/n. ASOeAn: IDT 4 - dg 7-0, 0

Job ID: 500-207561-C

Client Sample ID: 801VB-21-M03

Date Cdlle/ tec: 60P27P26 62:80
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-6

r atxio: Sdlic
9ex/ ent Sdlics: V6.6

r ethdc: V210M - Bdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
ChCC-4ve aiovonAa<t n	30P0020		0P0020	0P00066	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
ChCh2-4nAv<. aiovonAa<t n	30P0020		0P0020	0P00069	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
ChCh2-4ve aiovonAa<t n	30P0020		0P0020	0P0008,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
ChC-De aiovonAa<t n	30P0020		0P0020	0P00067	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
ChC-De aiovonAant n	30P0020		0P0020	0P00068	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Ch2-De aiovonAa<t n	30P00, 1		0P00, 1	0P00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Ch2-De aiovopvop<t n	30P0020		0P0020	0P0005C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Ch9-De aiovopvopnt nh4oA<i	30P0020		0P0020	0P00061	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
2-BuA<t ot n (MgK)	30P00, 1		0P00, 1	0P0022	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
2-Hnx<t ot n	30P00, 1		0P00, 1	0P00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
, -MnAayi-2-pnt A<t ot n (MIBK)	30P00, 1		0P00, 1	0P00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
d. nAot n	30P020		0P020	0P0086	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Bnt znt n	30P0020		0P0020	0P00050	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Bwomor e aiowomnAa<t n	30P0020		0P0020	0P000, 0	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Bwomofown	30P0020		0P0020	0P00057	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
BwomomnAa<t n	30P00, 1	*+	0P00, 1	0P00C1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
l <vbot r eEuifer n	30P00, 1		0P00, 1	0P00C0	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
l <vbot AnAv<. aiover n	30P0020		0P0020	0P00057	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
l aiowobnt znt n	30P0020		0P0020	0P00072	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
l aiovonAa<t n	30P00, 1	*+	0P00, 1	0P00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
l aiowofown	30P0020		0P0020	0P00068	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
l aiowomnAa<t n	30P00, 1		0P00, 1	0P0020	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
. eE-Ch2-De aiovonAant n	30P0020		0P0020	0P00055	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
. eE-Ch9-De aiovopvopnt n	30P0020		0P0020	0P00051	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Debvomo. aiowomnAa<t n	30P0020		0P0020	0P0006,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
gAayibnt znt n	30P0020		0P0020	0P0001,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
MnAayi AwAbuAyi nAanw	30P0020		0P0020	0P00058	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
MnAayint n l aiover n	30P00, 1		0P00, 1	0P00C1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
OAywnt n	30P0020		0P0020	0P00051	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
4nAv<. aiovonAant n	30P0020		0P0020	0P00067	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
4oiunt n	30P0020		0P0020	0P00050	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Av<t E-Ch2-De aiovonAant n	30P0020		0P0020	0P00087	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Av<t E-Ch9-De aiovopvopnt n	30P0020		0P0020	0P00061	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
4ve aiovonAant n	30P0020		0P0020	0P00066	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Vel yi . aiover n	30P0020		0P0020	0P00087	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C
Xyint nEh4oA<i	30P0091		0P0091	0P00069	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C7:51	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*30 - 174*	*10/28/21 18:00*	*11/07/21 13:Bm*	*1*
4-f rob ozuoro9en5ene (Surr)	*8m*		*3B - 171*	*10/28/21 18:00*	*11/07/21 13:Bm*	*1*
Di9rob ozuorob ethane	*mm*		*3B - 126*	*10/28/21 18:00*	*11/07/21 13:Bm*	*1*
Toluene-d8 (Surr)	*m2*		*3B - 124*	*10/28/21 18:00*	*11/07/21 13:Bm*	*1*

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Ch2h, -4ve aiowobnt znt n	30P20	' 2 ' C	0P20	0P0, 2	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C, :06	C
Ch2-De aiowobnt znt n	30P20	' 2 ' C	0P20	0P0, 7	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C, :06	C
Ch9-De aiowobnt znt n	30P20	' 2 ' C	0P20	0P0, ,	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C, :06	C
Ch, -De aiowobnt znt n	30P20	' 2 ' C	0P20	0P05C	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C, :06	C
2h2[-oxybeEC-. aiowopvop<t nN	30P20	' 2 ' C	0P20	0P0, 6	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C, :06	C

guwofet E4nEAdmnve <hl ae <co

Client Sample Results

Client Sample ID: 801VB-21-M03

Date Cdlle/ tec: 60P27P26 62:80
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-6

r atxio: Sdlic
9 ex/ ent Sdlics: V6.6

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9 xepaxec	Analyzec	Dil Fa/
2h h5-4we aiowpant oi	30P91	' 2 ' C	0P91	0P010	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2h h6-4we aiowpant oi	30P91	' 2 ' C	0P91	0PC,	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2h -De aiowpant oi	30P91	' 2 ' C	0P91	0P01,	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2h -DemnAayipant oi	30P91	' 2 ' C	0P91	0PC5	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2h -Dd eAwpant oi	30P71		0P71	0P61	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2h -Dd eAwAoiunt n	30P20	' 2 ' C	0P20	0P069	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2h6-Dd eAwAoiunt n	30P20	' 2 ' C	0P20	0P077	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2-I aiowt <paAa<int n	30P20	' 2 ' C	0P20	0P, ,	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2-I aiowpant oi	30P20	' 2 ' C	0P20	0P067	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2-MnAayit <paAa<int n	30P071	' 2 ' C	0P071	0P0072	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2-MnAayipant oi	30P20	' 2 ' C	0P20	0P069	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2-&eAwo<t iet n	30P20	' 2 ' C	0P20	0P059	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
2-&eAwpant oi	30P91	' 2 ' C	0P91	0P019	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
9 F , MnAayipant oi	30P20	' 2 ' C	0P20	0P066	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
9h9[-De aiowobnt ze e n	30P20		0P20	0P055	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
9-&eAwo<t iet n	30P91	' 2 ' C	0P91	0PC2	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, h6-Dd eAw-2-mnAayipant oi	30P71	' 2	0P71	0P92	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, -Bwomopant yi pant yi nAanw	30P20	' 2 ' C	0P20	0P052	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, -I aiowo-9-mnAayipant oi	30P91	' 2 ' C	0P91	0PC9	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, -I aiowo<t iet n	30P71	' C	0P71	0PC1	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, -I aiowpant yi pant yi nAanw	30P20	' 2 ' C	0P20	0P, 6	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, -&eAwo<t iet n	30P91	' 2 ' C	0P91	0PC6	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
, -&eAwpant oi	30P71	' 2	0P71	0P97	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
d . nt <paAant n	30P091	' 2 ' C	0P091	0P007C	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
d . nt <paAayint n	30P091	' 2 ' C	0P091	0P0052	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
dt Aaw<. nt n	30P091	' 2 ' C	0P091	0P0066	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Bnt zo]<Nt Aaw<. nt n	30P091		0P091	0P0059	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Bnt zo]<Npywnt n	30P091		0P091	0P0076	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Bnt zo]bNfiuow<t Aant n	30P091		0P091	0P0085	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Bnt zo]chahNpnwyint n	30P091		0P091	0P0C9	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Bnt zo]LNfiuow<t Aant n	30P091		0P091	0P0C2	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
BeE(2-. aiowonAaoxy)mnAa<t n	30P20	' 2 ' C	0P20	0P, 0	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
BeE(2-. aiowonAayi)nAanw	30P20	' 2 ' C	0P20	0P051	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
BeE(2-nAayianxyi) paAa<i<Ah	30P20		0P20	0P072	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
BuAyi bnt zyi paAa<i<Ah	30P20		0P20	0P075	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
I <wb<zoin	30P20	' 2 ' C	0P20	0P018	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
I awyEnt n	30P091		0P091	0P0CC	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Debnt z(<ha)<t Aaw<. nt n	30P091		0P091	0P0076	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Debnt zofuw<t	30P20	' 2 ' C	0P20	0P, 6	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
DenAayi paAa<i<Ah	30P20	' 2 ' C	0P20	0P067	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
DemnAayi paAa<i<Ah	30P20	' 2 ' C	0P20	0P05C	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Det -buAyi paAa<i<Ah	30P20	' 2 ' C	0P20	0P060	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Det -o. Ayi paAa<i<Ah	30P20		0P20	0P06,	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
' iuow<t Aant n	30P091		0P091	0P0079	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
' iuownt n	30P091	' 2 ' C	0P091	0P0055	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Hnx<. aiowobnt znt n	30P071	' 2 ' C	0P071	0P001C	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Hnx<. aiowobuA<r ent n	30P20	' 2 ' C	0P20	0P062	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Hnx<. aiowo. y. iopnt A<r ent n	30P71	' C	0P71	0P29	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C
Hnx<. aiowonAa<t n	30P20	' C	0P20	0P060	mcSKc	☼	CCS02S2CC9:, 0	CCS00S2CC, :06	C

Client Sample ID: 801VB-21-M03

Date Cdlle/ tec: 60F27F26 62:80
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-6

r atxio: Sdlic
9ex/ ent Sdlics: V6.6

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
lt r nt o]C2l9-. r hpywnt n	30F091		0F091	0F0C0	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
IEopaowot n	30F20	' 2 ' C	0F20	0F0, ,	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
&<paAa<int n	30F091	' 2 ' C	0F091	0F006C	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
&eAwobnt znt n	30F091	' 2 ' C	0F091	0F0018	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
&-&eAwoEor et -pwopyi<met n	30F071	' 2 ' C	0F071	0F0, 8	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
&-&eAwoEor epant yi<met n	30F20	' 2 ' C	0F20	0F0, 6	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
j nt A<. aiowopant oi	30F71		0F71	0F69	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
j ant <t Aawnt n	30F091	' 2 ' C	0F091	0F0055	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
j ant oi	30F20	' 2 ' C	0F20	0F088	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C
j ywnt n	30F091		0F091	0F0078	mc3Kc	☼	CCS02S2C C9:, 0	CCS0S2C C, :06	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tri9rob ophenol	*60*		*71 - 147*	*11/02/21 17:40*	*11/10/21 14:06*	*1*
2-Fluoro9iphenyl	*m7*		*47 - 14B*	*11/02/21 17:40*	*11/10/21 14:06*	*1*
2-Fluorophenol	*33*		*71 - 166*	*11/02/21 17:40*	*11/10/21 14:06*	*1*
Nitro9en5ene-dB (Surr)	*32*		*73 - 143*	*11/02/21 17:40*	*11/10/21 14:06*	*1*
Phenol-dB	*87*		*70 - 1B7*	*11/02/21 17:40*	*11/10/21 14:06*	*1*
Terphenyl-d14 (Surr)	*104*		*42 - 1B3*	*11/02/21 17:40*	*11/10/21 14:06*	*1*

r ethdc: 1060M - r etals (IC9)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Antimdny	**0.V0**	**J M**	CF2	0F29	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Axseni/	**66**		0F60	0F20	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Maxium	**V[**		0F60	0F068	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Mexyllium	**6.0**		0F2,	0F056	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Mdxdn	**V.V**	**M**	9F0	0F28	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
I <r meum	30FC2		0FC2	0F022	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Cal/ ium	**5[00**		C2	2F0	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Chxdmium	**63**		0F60	0F90	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Cdbalt	**67**		0F90	0F078	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Cdppex	**23**		0F60	0FC7	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Ixdn	**21000**	**M**	C2	6F2	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Leac	**20**		0F90	0FC,	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
r agnesium	**1200**		6F0	9F0	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
r anganese	**5V0**	**M**	0F60	0F087	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
] i/ 4el	**[V**		0F60	0FC7	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
9dtassium	**2200**		90	CC	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Onint eum	30F60		0F60	0F95	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:5,	C
Silvex	**0.56**		0F90	0F077	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Sdcium	**[20**		60	8F8	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
, hallium	**0.37**		0F60	0F90	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
Banacium	**25**		0F90	0F07C	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C
kin/	**V2**		CF2	0F52	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C0	C

r ethdc: 1060M - r etals (IC9) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dwEnt e	30F050		0F050	0F0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C
Bnwyiieum	30F00, 0		0F00, 0	0F00, 0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C
I avomeum	30F025		0F025	0F0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C
Ixdn	**0.28**	**J**	0F, 0	0F20	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C

Client Sample ID: 801VB-21-M03

Date Cdlle/ tec: 60P27P26 62:80
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-6

r atxio: Sdlic
9ex/ ent Sdlics: V6.6

r ethdc: 1060M - r etals (IC9) - , CL9 (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
kn<r	30P0075		0P0075	0P0075	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C
r anganese	0.52		0P025	0P0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C
&e Lni	30P025		0P025	0P0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, C	C

r ethdc: 1060M - r etals (IC9) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Axseni/	0.66		0P050	0P0C0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Maxium	0.73		0P50	0P050	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Mexyllium	0.0031		0P00, 0	0P00, 0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Mdxdn	0.61		0P0C0	0P050	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
I <r meum	30P0050		0P0050	0P0020	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Cal/ ium	20		2P5	0P50	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Chxdmium	0.67		0P025	0P0C0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Cdbalt	0.0[7		0P025	0P0C0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Ixdn	280		0P,0	0P20	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Leac	0.012		0P0075	0P0075	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
r anganese	0.V2		0P025	0P0C0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
] i/ 4el	0.25		0P025	0P0C0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
9dtassium	80		2P5	0P50	mc3k		CCS0552C 07:, 1	CCS0152C C,:C0	C
Onint eum	30P050		0P050	0P020	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
Oeivnw	30P025		0P025	0P0C0	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C
kin/	0.57		0P50	0P020	mc3k		CCS0552C 07:, 1	CCS0852C 06:09	C

r ethdc: 1020A - r etals (IC9P S) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
4a<iieum	30P0020		0P0020	0P0020	mc3k		CCS0, S2C 08:00	CCS0652C C5:, C	C

r ethdc: 1020A - r etals (IC9P S) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dt Aenot y	30P0060		0P0060	0P0060	mc3k		CCS0552C 07:, 1	CCS0552C 20:, 2	C
, hallium	0.007[		0P0020	0P0020	mc3k		CCS0552C 07:, 1	CCS0552C 20:, 2	C

r ethdc: 7[70A - r ex/ uxy (CBAA) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Mnwuwy	30P00020		0P00020	0P00020	mc3k		CCS0552C 01:50	CCS0852C C0:05	C

r ethdc: 7[76M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
r ex/ uxy	0.050		0P0C1	0P006,	mc3Kc	☼	CCS0, S2C C9:50	CCS0552C 07:58	C

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
I y<t e nh4oA<i	30P28		0P28	0PC,	mc3Kc	☼	CCS0052C C7:, 8	CCS0052C C8:57	C
pT	7.V		0P2	0P2	OU			CCS0252C C5:95	C

Client Sample ID: 801VB-21-M0V

Date Cdlle/ tec: 60F27F26 62:[0
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-2

r atxio: Sdlic
9ex/ ent Sdlics: 77.V

r ethdc: V210M - Bdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
ChCiC-4ve aiovonAa<t n	30F00C1		0F00C1	0F0006,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
ChCi2i2-4nAw<. aiovonAa<t n	30F00C1		0F00C1	0F0006C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
ChCi2-4ve aiovonAa<t n	30F00C1		0F00C1	0F00082	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
ChC-De aiovonAa<t n	30F00C1		0F00C1	0F00066	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
ChC-De aiovonAant n	30F00C1		0F00C1	0F00066	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Ch2-De aiovonAa<t n	30F00, 8		0F00, 8	0F00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Ch2-De aiovopvop<t n	30F00C1		0F00C1	0F00050	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Ch9-De aiovopvopnt nh4oA<i	30F00C1		0F00C1	0F00067	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
2-BuA<t ot n (MgK)	30F00, 8		0F00, 8	0F002C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
2-Hnx<t ot n	30F00, 8		0F00, 8	0F00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
, -MnAayi-2-pnt A<t ot n (MIBK)	30F00, 8		0F00, 8	0F00C,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
d. nAot n	30F0C1		0F0C1	0F0089	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Bnt znt n	30F00C1		0F00C1	0F000, 1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Bwomor e aiovomnAa<t n	30F00C1		0F00C1	0F00091	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Bwomofown	30F00C1		0F00C1	0F00056	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
BwomomnAa<t n	30F00, 8	*+	0F00, 8	0F00C8	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
I <vbot r eEuifer n	30F00, 8		0F00, 8	0F00C0	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
I <vbot AnAw<. aiove n	30F00C1		0F00C1	0F00056	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
I aiovobnt znt n	30F00C1		0F00C1	0F0007C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
I aiovonAa<t n	30F00, 8	*+	0F00, 8	0F00C,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
I aiovofown	30F00C1		0F00C1	0F00066	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
I aiovomnAa<t n	30F00, 8		0F00, 8	0F00C1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
. eE-Ch2-De aiovonAant n	30F00C1		0F00C1	0F0005,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
. eE-Ch9-De aiovopvopnt n	30F00C1		0F00C1	0F00058	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Debvomo. aiovomnAa<t n	30F00C1		0F00C1	0F00069	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
gAayibnt znt n	30F00C1		0F00C1	0F00012	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
MnAayi AwAbuAyi nAanw	30F00C1		0F00C1	0F00056	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
MnAayint n I aiove n	30F00, 8		0F00, 8	0F00C1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
OAywnt n	30F00C1		0F00C1	0F00058	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
4nAw<. aiovonAant n	30F00C1		0F00C1	0F00065	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
4oiunt n	30F00C1		0F00C1	0F000, 8	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Aw<t E-Ch2-De aiovonAant n	30F00C1		0F00C1	0F00085	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Aw<t E-Ch9-De aiovopvopnt n	30F00C1		0F00C1	0F00067	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
4ve aiovonAant n	30F00C1		0F00C1	0F00065	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Vei yi . aiove n	30F00C1		0F00C1	0F00085	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C
Xyint nEh4oA<i	30F00C8		0F00C8	0F0006C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C8:26	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*30 - 174*	*10/28/21 18:00*	*11/07/21 18:26*	*1*
4-f rob ozuoro9en5ene (Surr)	*m2*		*3B - 171*	*10/28/21 18:00*	*11/07/21 18:26*	*1*
Di9rob ozuorob ethane	*m8*		*3B - 126*	*10/28/21 18:00*	*11/07/21 18:26*	*1*
Toluene-d8 (Surr)	*mB*		*3B - 124*	*10/28/21 18:00*	*11/07/21 18:26*	*1*

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Ch2h, -4ve aiovobnt znt n	30F2C		0F2C	0F0, 5	mc3Kc	☼	CCS02S2C C9:, 0	CCS05S2C C5:C8	C
Ch2-De aiovobnt znt n	30F2C		0F2C	0F050	mc3Kc	☼	CCS02S2C C9:, 0	CCS05S2C C5:C8	C
Ch9-De aiovobnt znt n	30F2C		0F2C	0F0, 7	mc3Kc	☼	CCS02S2C C9:, 0	CCS05S2C C5:C8	C
Ch, -De aiovobnt znt n	30F2C		0F2C	0F05,	mc3Kc	☼	CCS02S2C C9:, 0	CCS05S2C C5:C8	C
2h2[-oxybeEC-. aiovopvop<t nN	30F2C		0F2C	0F0, 8	mc3Kc	☼	CCS02S2C C9:, 0	CCS05S2C C5:C8	C

guwofet E4nEAdmnve <hl ae <co

Client Sample ID: 801VB-21-M0V

Date Cdlle/ tec: 60P27P26 62:[0
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-2

r atxio: Sdlic
9 ex/ ent Sdlics: 77.V

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9 xepaxec	Analyzec	Dil Fa/
2h h5-4we aiowopant oi	30P C		0P C	0P015	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2h h6-4we aiowopant oi	30P C		0P C	0PC,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2h -De aiowopant oi	30P C		0P C	0P011	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2h -DemnAayipant oi	30P C		0P C	0PC6	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2h -Dt eAwopant oi	30P8,		0P8,	0P7,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2h -Dt eAwAoiunt n	30P2C		0P2C	0P066	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2h6-Dt eAwAoiunt n	30P2C		0P2C	0P082	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2-I aiowot <paAa<int n	30P2C		0P2C	0P, 6	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2-I aiowopant oi	30P2C		0P2C	0P07C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2-MnAayit <paAa<int n	30P08,		0P08,	0P0077	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2-MnAayipant oi	30P2C		0P2C	0P067	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2-&eAwo<t iet n	30P2C		0P2C	0P056	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
2-&eAwopant oi	30P C		0P C	0P011	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
9 F , MnAayipant oi	30P2C		0P2C	0P070	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
9h9[-De aiowobnt ze et n	30P2C		0P2C	0P058	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
9-&eAwo<t iet n	30P C		0P C	0PC9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, h6-Dt eAwo-2-mnAayipant oi	30P8,		0P8,	0P9,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, -Bwomopant yi pant yi nAanw	30P2C		0P2C	0P055	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, -I aiowo-9-mnAayipant oi	30P C		0P C	0PC,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, -I aiowo<t iet n	30P8,		0P8,	0P20	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, -I aiowopant yi pant yi nAanw	30P2C		0P2C	0P, 1	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, -&eAwo<t iet n	30P C		0P C	0PC7	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
, -&eAwopant oi	30P8,		0P8,	0P 0	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
d. nt <paAant n	30P, C		0P, C	0P0075	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
d. nt <paAayint n	30P, C		0P, C	0P0055	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
dt Aaw<. nt n	30P, C		0P, C	0P0070	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Bnt zo]<Nt Aaw<. nt n	30P, C		0P, C	0P0056	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Bnt zo]<Npywnt n	30P, C		0P, C	0P008C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Bnt zo]bNiuow<t Aant n	30P, C		0P, C	0P010	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Bnt zo]chaNpnwyint n	30P, C		0P, C	0PC9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Bnt zo]LNiuow<t Aant n	30P, C		0P, C	0PC2	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
BeE(2-. aiowonAaoxy)mnAa<t n	30P2C		0P2C	0P, 9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
BeE(2-. aiowonAayi)nAanw	30P2C		0P2C	0P069	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
BeE(2-nAayianxyi) paAa<i<An	30P2C		0P2C	0P076	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
BuAyi bnt zyi paAa<i<An	30P2C		0P2C	0P071	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
I <wb<zoin	30P2C		0P2C	0PC0	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
I awyEnt n	30P, C		0P, C	0PCC	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Debnt z(<ha)<t Aaw<. nt n	30P, C		0P, C	0P008C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Debnt zofuw<t	30P2C		0P2C	0P, 1	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
DenAayi paAa<i<An	30P2C		0P2C	0P07C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
DemnAayi paAa<i<An	30P2C		0P2C	0P055	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Det -buAyi paAa<i<An	30P2C		0P2C	0P6,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Det -o. Ayi paAa<i<An	30P2C		0P2C	0P068	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
' iuow<t Aant n	30P, C		0P, C	0P0077	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
' iuownt n	30P, C		0P, C	0P0051	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Hnx<. aiowobnt znt n	30P08,		0P08,	0P0017	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Hnx<. aiowobuA<r ent n	30P2C		0P2C	0P066	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Hnx<. aiowo. y. iopnt A<r ent n	30P8,		0P8,	0P2,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C
Hnx<. aiowonAa<t n	30P2C		0P2C	0P069	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:C8	C

g uwofet E 4nEAd mnwe <hI ae <co

Client Sample ID: 801VB-21-M0V

Date Cdlle/ tec: 60P27P26 62:[0
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-2

r atxio: Sdlic
9ex/ ent Sdlics: 77.V

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
lt r nt o]Ch2l9-. r hpywnt n	30P0, C		0P0, C	0P0CC	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
IEopaowot n	30P2C		0P2C	0P0, 7	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
&<paAa<int n	30P0, C		0P0, C	0P006,	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
&eAwobnt znt n	30P0, C		0P0, C	0P0C0	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
&-&eAwoEor et -pwopyi<met n	30P08,		0P08,	0P05C	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
&-&eAwoEor epant yi<met n	30P2C		0P2C	0P0, 1	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
j nt A<. aiowopant oi	30P8,		0P8,	0P67	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
j ant <t Aawnt n	30P0, C		0P0, C	0P0058	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
j ant oi	30P2C		0P2C	0P019	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C
j ywnt n	30P0, C		0P0, C	0P0089	mc3Kc	☼	CCS02S2C C9:, 0	CCS0:S2C C5:C8	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tri9rob ophenol	*36*		*71 - 147*	*11/02/21 17:40*	*11/10/21 1B:18*	*1*
2-Fluoro9iphenyl	*87*		*47 - 14B*	*11/02/21 17:40*	*11/10/21 1B:18*	*1*
2-Fluorophenol	*32*		*71 - 166*	*11/02/21 17:40*	*11/10/21 1B:18*	*1*
Nitro9en5ene-dB (Surr)	*BB*		*73 - 143*	*11/02/21 17:40*	*11/10/21 1B:18*	*1*
Phenol-dB	*38*		*70 - 1B7*	*11/02/21 17:40*	*11/10/21 1B:18*	*1*
Terphenyl-d14 (Surr)	*100*		*42 - 1B3*	*11/02/21 17:40*	*11/10/21 1B:18*	*1*

r ethdc: 1060M - r etals (IC9)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Antimdny	**0.8V**	**J M**	CP2	0P29	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Axseni/	**V.[**		0P60	0P2C	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Maxium	**660**		0P60	0P061	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Mexyllium	**6.0**		0P2,	0P056	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Mdxdn	**5.3**	**M**	9P0	0P28	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Cacmium	**0.66**	**J M**	0PC2	0P022	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Cal/ ium	**5500**		C2	2P0	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Chxdmium	**63**		0P60	0P90	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Cdbalt	**68**		0P90	0P071	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Cdppex	**28**		0P60	0PC7	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Ixdn	**28000**	**M**	C2	6P9	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Leac	**61**		0P90	0PC,	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
r agnesium	**5200**		6P0	9P0	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
r anganese	**5[0**	**M**	0P60	0P088	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
] i/ 4el	**82**		0P60	0PC8	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
9dtassium	**6V00**		90	CC	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Onint eum	30P60		0P60	0P95	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:57	C
Silvex	**0.[1**		0P90	0P078	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Sdcium	**6[00**		60	8P1	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
, hallium	**0.51**	**J**	0P60	0P90	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
Banacium	**86**		0P90	0P07C	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C
kin/	**V0**		CP2	0P59	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C9	C

r ethdc: 1060M - r etals (IC9) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dwEnt e	30P050		0P050	0P0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C
Bnwyiieum	30P00, 0		0P00, 0	0P00, 0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C
I avomeum	30P025		0P025	0P0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C
Ixdn	**0.88**	**J**	0P, 0	0P20	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C

guwofet E4nEAdmnve <hl ae <co

Client Sample ID: 801VB-21-M0V

Date Cdlle/ tec: 60P27P26 62:[0
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-2

r atxio: Sdlic
9ex/ ent Sdlics: 77.V

r ethdc: 1060M - r etals (IC9) - , CL9 (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
kn<r	30P0075		0P0075	0P0075	mc9k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C
r anganese	**0.83**		0P025	0P0C0	mc9k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C
&e Lni	30P025		0P025	0P0C0	mc9k		CCS0, S2C 08:00	CCS0, S2C C8:, ,	C

r ethdc: 1060M - r etals (IC9) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Axseni/	**0.012**		0P050	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Maxium	**6.2**		0P50	0P050	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Mexyllium	**0.0033**		0P00, 0	0P00, 0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Mdxdn	**0.66**		0P0C0	0P050	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
I <r meum	30P0050		0P0050	0P0020	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Cal/ ium	**23**		2P5	0P50	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Chxdmium	**0.22**		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Cdbalt	**0.08[**		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Ixdn	**2[0**		0P, 0	0P20	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Leac	**0.010**		0P0075	0P0075	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
r anganese	**0.VV**		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
] i/ 4el	**0.63**		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
9dtassium	**22**		2P5	0P50	mc9k		CCS0552C 07:, 1	CCS0152C C, :C9	C
Onint eum	30P050		0P050	0P020	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
Oeivnw	30P025		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C
kin/	**0.11**		0P50	0P020	mc9k		CCS0552C 07:, 1	CCS0852C 06:06	C

r ethdc: 1020A - r etals (IC9P S) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
4a<iieum	30P0020		0P0020	0P0020	mc9k		CCS0, S2C 08:00	CCS0652C C5:, 9	C

r ethdc: 1020A - r etals (IC9P S) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dt Aenot y	30P0060		0P0060	0P0060	mc9k		CCS0552C 07:, 1	CCS0552C 20:, ,	C
, hallium	**0.00[1**		0P0020	0P0020	mc9k		CCS0552C 07:, 1	CCS0552C 20:, ,	C

r ethdc: 7[70A - r ex/ uxy (CBAA) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Mnwuwy	30P00050		0P00050	0P00050	mc9k		CCS0552C 01:50	CCS0852C C0:08	C

r ethdc: 7[76M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
r ex/ uxy	**0.057**		0P0C1	0P0069	mc9Kc	☼	CCS0, S2C C9:50	CCS0552C 08:00	C

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
I y<t e nh4oA<i	30P90		0P90	0PC5	mc9Kc	☼	CCS0052C C7:, 8	CCS0052C C1:02	C
pT	**7.1**		0P2	0P2	OU			CCS0252C C5:97	C

Client Sample Results

I ient A dt r vms E g t ce nnve c lt . P
j vo/n. ASOeAn: IDT 4 - dg 7-0, 0

Job ID: 500-207561-C

Client Sample ID: 801VB-21-M07-6

Date Cdlle/ tec: 60P27P26 62:50
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-8

r atxio: Sdlic
9ex/ ent Sdlics: V1.0

r ethdc: V210M - Bdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
ChCC-4ve aiovonAa<t n	30P00C7		0P00C7	0P00056	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
ChCh2h2-4nAw<. aiovonAa<t n	30P00C7		0P00C7	0P0005,	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
ChCh2-4ve aiovonAa<t n	30P00C7		0P00C7	0P00072	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
ChC-De aiovonAa<t n	30P00C7		0P00C7	0P00058	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
ChC-De aiovonAant n	30P00C7		0P00C7	0P00058	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Ch2-De aiovonAa<t n	30P00, 2		0P00, 2	0P00C9	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Ch2-De aiovopvop<t n	30P00C7		0P00C7	0P000, ,	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Ch9-De aiovopvopnt nh4oA<i	30P00C7		0P00C7	0P00051	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
2-BuA<t ot n (MgK)	30P00, 2		0P00, 2	0P00C1	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
2-Hnx<t ot n	30P00, 2		0P00, 2	0P00C9	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
, -MnAayi-2-pnt A<t ot n (MIBK)	30P00, 2		0P00, 2	0P00C2	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
d. nAot n	30P00C7		0P00C7	0P0079	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Bnt znt n	30P00C7		0P00C7	0P000, 9	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Bwomor e aiowomnAa<t n	30P00C7		0P00C7	0P0009,	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Bwomofown	30P00C7		0P00C7	0P000, 1	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
BwomomnAa<t n	30P00, 2	*+	0P00, 2	0P00C6	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
I <vbot r eEuifer n	30P00, 2		0P00, 2	0P00088	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
I <vbot AnAw<. aiover n	30P00C7		0P00C7	0P000, 1	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
I aiowobnt znt n	30P00C7		0P00C7	0P00062	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
I aiovonAa<t n	30P00, 2	*+	0P00, 2	0P00C2	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
I aiovofown	30P00C7		0P00C7	0P00058	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
I aiovomnAa<t n	30P00, 2		0P00, 2	0P00C7	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
. eE-Ch2-De aiovonAant n	30P00C7		0P00C7	0P000, 7	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
. eE-Ch9-De aiovopvopnt n	30P00C7		0P00C7	0P0005C	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Debvomo. aiovomnAa<t n	30P00C7		0P00C7	0P00055	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
gAayibnt znt n	30P00C7		0P00C7	0P0008C	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
MnAayi AwAbuAyi nAanw	30P00C7		0P00C7	0P000, 1	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
MnAayint n I aiover n	30P00, 2		0P00, 2	0P00C7	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
OAywnt n	30P00C7		0P00C7	0P0005C	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
4nAw<. aiovonAant n	30P00C7		0P00C7	0P00057	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
4oiunt n	30P00C7		0P00C7	0P000, 9	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Aw<t E-Ch2-De aiovonAant n	30P00C7		0P00C7	0P00075	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Aw<t E-Ch9-De aiovopvopnt n	30P00C7		0P00C7	0P00051	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
4ve aiovonAant n	30P00C7		0P00C7	0P00057	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Vei yi . aiover n	30P00C7		0P00C7	0P0007,	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C
Xyint nEh4oA<i	30P009,		0P009,	0P0005,	mc9Kc	☼	C0S28S2C C8:00	CCS09S2C C8:5C	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*30 - 174*	*10/28/21 18:00*	*11/07/21 18:B1*	*1*
4-f rob ozuoro9en5ene (Surr)	*m1*		*3B - 171*	*10/28/21 18:00*	*11/07/21 18:B1*	*1*
Di9rob ozuorob ethane	*mm*		*3B - 126*	*10/28/21 18:00*	*11/07/21 18:B1*	*1*
Toluene-d8 (Surr)	*m4*		*3B - 124*	*10/28/21 18:00*	*11/07/21 18:B1*	*1*

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Ch2h, -4ve aiowobnt znt n	30PC1		0PC1	0P0, C	mc9Kc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Ch2-De aiowobnt znt n	30PC1		0PC1	0P0, 5	mc9Kc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Ch9-De aiowobnt znt n	30PC1		0PC1	0P0, 2	mc9Kc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Ch, -De aiowobnt znt n	30PC1		0PC1	0P0, 8	mc9Kc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h2[-oxybeEC-. aiowopvop<t nN	30PC1		0PC1	0P0, ,	mc9Kc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C

guwofet E4nEAdmnve <hl ae <co

Client Sample ID: 801VB-21-M07-6

Date Cdlle/ tec: 60P27P26 62:50
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-8

r atxio: Sdlic
9 ex/ ent Sdlics: V1.0

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9 xepaxec	Analyzec	Dil Fa/
2h h5-4we aiowopant oi	30P97		0P97	0P086	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h h6-4we aiowopant oi	30P97		0P97	0PC9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h -De aiowopant oi	30P97		0P97	0P010	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h -DemnAayipant oi	30P97		0P97	0PC,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h -Dt eAwopant oi	30P76		0P76	0P66	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h -Dt eAwoAoiunt n	30PC1		0PC1	0P060	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2h6-Dt eAwoAoiunt n	30PC1		0PC1	0P07,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2-I aiowot <paAa<int n	30PC1		0PC1	0P, 2	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2-I aiowopant oi	30PC1		0PC1	0P06,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2-MnAayit <paAa<int n	30P076		0P076	0P0061	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2-MnAayipant oi	30PC1		0PC1	0P06C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2-&eAwo<t eet n	30PC1		0PC1	0P05C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
2-&eAwopant oi	30P97		0P97	0P081	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
9 F , MnAayipant oi	30PC1		0PC1	0P069	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
9h9[-De aiowobnt ze et n	30PC1		0PC1	0P059	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
9-&eAwo<t eet n	30P97		0P97	0PC2	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, h6-Dt eAwo-2-mnAayipant oi	30P76		0P76	0P90	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, -Bwomopant yi pant yi nAanw	30PC1		0PC1	0P050	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, -I aiowo-9-mnAayipant oi	30P97		0P97	0PC9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, -I aiowo<t eet n	30P76		0P76	0PC8	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, -I aiowopant yi pant yi nAanw	30PC1		0PC1	0P, ,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, -&eAwo<t eet n	30P97		0P97	0PC6	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
, -&eAwopant oi	30P76		0P76	0P96	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
d. nt <paAant n	30P097		0P097	0P0068	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
d. nt <paAayint n	30P097		0P097	0P0050	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
dt Aaw<. nt n	30P097		0P097	0P0069	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Bnt zo]<Nt Aaw<. nt n	30P097		0P097	0P005C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Bnt zo]<Npywnt n	30P097		0P097	0P0079	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Bnt zo]bNfiuow<t Aant n	30P097		0P097	0P008C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Bnt zo]chaNpnwyint n	30P097		0P097	0P0C2	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Bnt zo]LNfiuow<t Aant n	30P097		0P097	0P0CC	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
BeE(2-. aiowonAaoxy)mnAa<t n	30PC1		0PC1	0P098	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
BeE(2-. aiowonAayi)nAanw	30PC1		0PC1	0P057	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
BeE(2-nAayianxyi) paAa<i<An	30PC1		0PC1	0P061	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
BuAyi bnt zyi paAa<i<An	30PC1		0PC1	0P072	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
I <wb<zoin	30PC1		0PC1	0P01,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
I awyEnt n	30P097		0P097	0P0C0	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Debnt z(<ha)<t Aaw<. nt n	30P097		0P097	0P0079	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Debnt zofuw<t	30PC1		0PC1	0P, ,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
DenAayi paAa<i<An	30PC1		0PC1	0P06,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
DemnAayi paAa<i<An	30PC1		0PC1	0P, 1	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Det -buAyi paAa<i<An	30PC1		0PC1	0P057	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Det -o. Ayi paAa<i<An	30PC1		0PC1	0P062	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
' iuow<t Aant n	30P097		0P097	0P0070	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
' iuownt n	30P097		0P097	0P0059	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Hnx<. aiowobnt znt n	30P076		0P076	0P0087	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Hnx<. aiowobuA<r ent n	30PC1		0PC1	0P051	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Hnx<. aiowo. y. iopnt A<r ent n	30P76		0P76	0P22	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C
Hnx<. aiowonAa<t n	30PC1		0PC1	0P057	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C5:, C	C

Client Sample ID: 801VB-21-M07-6

Date Cdlle/ tec: 60F27F26 62:50
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-8

r atxio: Sdlic
9ex/ ent Sdlics: V1.0

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCF S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
lt r nt o]C2l9-. r hpywnt n	30F097		0F097	0F0018	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
IEopaowot n	30FRC1		0FRC1	0F0, 2	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
&<paAa<int n	30F097		0F097	0F0058	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
&eAwobnt znt n	30F097		0F097	0F001,	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
&-&eAwoEor et -pwopyi<met n	30F076		0F076	0F0, 6	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
&-&eAwoEor epant yi<met n	30FRC1		0FRC1	0F0, ,	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
j nt A<. aiowopant oi	30F76		0F76	0F6C	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
j ant <t Aawnt n	30F097		0F097	0F0059	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
j ant oi	30FRC1		0FRC1	0F08,	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C
j ywnt n	30F097		0F097	0F0075	mc3Kc	☼	CCS\02S2C C9:, 0	CCS\02S2C C5:, C	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tri9rob ophenol	*36*		*71 - 147*	*11/02/21 17:40*	*11/10/21 1B:41*	*1*
2-Fluoro9iphenyl	*84*		*47 - 14B*	*11/02/21 17:40*	*11/10/21 1B:41*	*1*
2-Fluorophenol	*34*		*71 - 166*	*11/02/21 17:40*	*11/10/21 1B:41*	*1*
Nitro9en5ene-dB (Surr)	*6B*		*73 - 143*	*11/02/21 17:40*	*11/10/21 1B:41*	*1*
Phenol-dB	*33*		*70 - 1B7*	*11/02/21 17:40*	*11/10/21 1B:41*	*1*
Terphenyl-d14 (Surr)	*117*		*42 - 1B3*	*11/02/21 17:40*	*11/10/21 1B:41*	*1*

r ethdc: 1060M - r etals (IC9)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Antimdny	**0.7[**	**J M**	CFC	0F2C	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Axseni/	**7.[**		0F55	0FRC1	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Maxium	**[0**		0F55	0F069	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Mexyllium	**0.75**		0F22	0F052	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Mdxdn	**60**	**M**	2F8	0F26	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Cacmium	**0.017**	**J M**	0FCC	0F020	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Cal/ ium	**71000**	**M**	55	1F,	mc3Kc	☼	CCS\08S2C CC:00	CCS\CS2C C0:92	5
Chxdmium	**6[**		0F55	0F27	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Cdbalt	**60**		0F28	0F072	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Cdppex	**28**		0F55	0FC5	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Ixdn	**6V000**	**M**	CC	5F7	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Leac	**62**		0F28	0FC9	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
r agnesium	**82000**		5F5	2F7	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
r anganese	**870**	**M**	0F55	0F080	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
] i/ 4el	**27**		0F55	0FC6	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
9dtassium	**2200**		28	1F8	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Onint eum	30F55		0F55	0F92	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C, :00	C
Silvex	**0.25**	**J**	0F28	0F07C	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Sdcium	**630**		55	8F2	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
4a<iieum	30F55		0F55	0F28	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
Banacium	**6V**		0F28	0F065	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C
kin/	**10**		CFC	0F, 8	mc3Kc	☼	CCS\08S2C CC:00	CCS\1S2C C9:C6	C

r ethdc: 1060M - r etals (IC9) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dwEnt e	30F050		0F050	0F0C0	mc3k		CCS\, S2C 08:00	CCS\, S2C C8:, 7	C
Bnwyiieum	30F00, 0		0F00, 0	0F00, 0	mc3k		CCS\, S2C 08:00	CCS\, S2C C8:, 7	C
Iwot	30F, 0		0F, 0	0F020	mc3k		CCS\, S2C 08:00	CCS\, S2C C8:, 7	C
kn<r	30F0075		0F0075	0F0075	mc3k		CCS\, S2C 08:00	CCS\, S2C C8:, 7	C

Client Sample ID: 801VB-21-M07-6

Date Cdlle/ tec: 60F27F26 62:50
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-8

r atxio: Sdlic
9ex/ ent Sdlics: V1.0

r ethdc: 1060M - r etals (IC9) - , CL9 (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
r anganese	0.87		0F025	0F0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, 7	C
&e Lni	30F025		0F025	0F0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:, 7	C

r ethdc: 1060M - r etals (IC9) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Axseni/	0.052		0F050	0F0C0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Maxium	0.82	J	0F50	0F050	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Mexyllium	0.00[1		0F00, 0	0F00, 0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Mdxdn	0.65		0F0C0	0F050	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
I <r meum	30F0050		0F0050	0F0020	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Cal/ ium	21		2F5	0F50	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Chxdmium	0.036		0F025	0F0C0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Cdbalt	0.080		0F025	0F0C0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Ixdn	660		0F,0	0F20	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Leac	0.083		0F0075	0F0075	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
r anganese	0.87		0F025	0F0C0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
] i/ 4el	0.66		0F025	0F0C0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
9dtassium	2[		2F5	0F50	mc3k		CCS05S2C 07:, 1	CCS01S2C C, :C6	C
Onint eum	30F0050		0F0050	0F0020	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
Oevnw	30F025		0F025	0F0C0	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C
kin/	0.80	J	0F50	0F020	mc3k		CCS05S2C 07:, 1	CCS08S2C C6:01	C

r ethdc: 1020A - r etals (IC9F S) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
4a<iieum	30F0020		0F0020	0F0020	mc3k		CCS0, S2C 08:00	CCS06S2C C5:, 5	C

r ethdc: 1020A - r etals (IC9F S) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dt Aemot y	30F0060		0F0060	0F0060	mc3k		CCS05S2C 07:, 1	CCS05S2C 20:, 6	C
, hallium	0.0083		0F0020	0F0020	mc3k		CCS05S2C 07:, 1	CCS05S2C 20:, 6	C

r ethdc: 7[70A - r ex/ uxy (CBAA) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Mnwuwy	30F00020		0F00020	0F00020	mc3k		CCS05S2C 01:50	CCS08S2C C0:C0	C

r ethdc: 7[76M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
r ex/ uxy	0.027		0F0C1	0F0069	mc3Kc	☼	CCS0, S2C C9:50	CCS05S2C 08:02	C

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
I y<t e nh4oA<i	30F27		0F27	0F29	mc3Kc	☼	CCS0 0S2C C7:, 8	CCS0 0S2C C1:09	C
pT	V.2		0F2	0F2	OU			CCS02S2C C5:, 0	C

Client Sample ID: 801VB-21-M07-6 Dup

Date Cdlle/ tec: 60F27F26 68:00
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-[

r atxio: Sdlic
9ex/ ent Sdlics: V[.V

r ethdc: V210M - Bdlatile Oxgani/ Cdmpduncs (GCF S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
ChCC-4ve aiovonAa<t n	30F00C7		0F00C7	0F00058	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
ChCh2-4nAv<. aiovonAa<t n	30F00C7		0F00C7	0F00055	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
ChCh2-4ve aiovonAa<t n	30F00C7		0F00C7	0F0007,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
ChC-De aiovonAa<t n	30F00C7		0F00C7	0F00051	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
ChC-De aiovonAant n	30F00C7		0F00C7	0F00060	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Ch2-De aiovonAa<t n	30F00, 9		0F00, 9	0F00C,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Ch2-De aiovopvop<t n	30F00C7		0F00C7	0F000, 5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Ch9-De aiovopvopnt nh4oA<i	30F00C7		0F00C7	0F0006C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
2-BuA<t ot n (MgK)	30F00, 9		0F00, 9	0F00C1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
2-Hnx<t ot n	30F00, 9		0F00, 9	0F00C,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
, -MnAayi-2-pnt A<t ot n (MIBK)	30F00, 9		0F00, 9	0F00C9	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
d. nAot n	30F0C7		0F0C7	0F0076	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Bnt znt n	30F00C7		0F00C7	0F000, ,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Bwomor e aiowomnAa<t n	30F00C7		0F00C7	0F00095	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Bwomofown	30F00C7		0F00C7	0F0005C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
BwomomnAa<t n	30F00, 9	*+	0F00, 9	0F00C6	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
I <vbot r eEuifer n	30F00, 9		0F00, 9	0F00010	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
I <vbot AnAv<. aiover n	30F00C7		0F00C7	0F00050	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
I aiowobnt znt n	30F00C7		0F00C7	0F0006,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
I aiovonAa<t n	30F00, 9	*+	0F00, 9	0F00C9	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
I aiovofown	30F00C7		0F00C7	0F00060	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
I aiovomnAa<t n	30F00, 9		0F00, 9	0F00C7	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
. eE-Ch2-De aiovonAant n	30F00C7		0F00C7	0F000, 1	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
. eE-Ch9-De aiovopvopnt n	30F00C7		0F00C7	0F00052	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Debvomo. aiovomnAa<t n	30F00C7		0F00C7	0F00057	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
gAayibnt znt n	30F00C7		0F00C7	0F00089	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
MnAayi AvwAbuAyi nAanw	30F00C7		0F00C7	0F0005C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
MnAayint n I aiover n	30F00, 9		0F00, 9	0F00C7	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
OAywnt n	30F00C7		0F00C7	0F00052	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
4nAv<. aiovonAant n	30F00C7		0F00C7	0F00051	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
4oiunt n	30F00C7		0F00C7	0F000, ,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Av<t E-Ch2-De aiovonAant n	30F00C7		0F00C7	0F00077	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Av<t E-Ch9-De aiovopvopnt n	30F00C7		0F00C7	0F0006C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
4ve aiovonAant n	30F00C7		0F00C7	0F00051	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Vei yi . aiover n	30F00C7		0F00C7	0F00077	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C
Xyint nEh4oA<i	30F00095		0F00095	0F00056	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:C7	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*10B*		*30 - 174*	*10/28/21 18:00*	*11/07/21 1m13*	*1*
4-f rob ozuoro9en5ene (Surr)	*m0*		*3B - 171*	*10/28/21 18:00*	*11/07/21 1m13*	*1*
Di9rob ozuorob ethane	*100*		*3B - 126*	*10/28/21 18:00*	*11/07/21 1m13*	*1*
Toluene-d8 (Surr)	*m4*		*3B - 124*	*10/28/21 18:00*	*11/07/21 1m13*	*1*

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCF S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Ch2h, -4ve aiowobnt znt n	30FC1		0FC1	0F0, 2	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Ch2-De aiowobnt znt n	30FC1		0FC1	0F0, 6	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Ch9-De aiowobnt znt n	30FC1		0FC1	0F0, 9	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Ch, -De aiowobnt znt n	30FC1		0FC1	0F0, 1	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h2[-oxybeEC-. aiowopvop<t nN	30FC1		0FC1	0F0, 5	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C

Client Sample ID: 801VB-21-M07-6 Dup

Lab Sample ID: 500-207513-[

Date Cdlle/ tec: 60P27P26 68:00

r atxio: Sdlic

Date Re/ eivec: 60P2VP26 60:50

9 ex/ ent Sdlics: V[.V

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9 xepaxec	Analyzec	Dil Fa/
2h h5-4we aiowopant oi	30P98		0P98	0P088	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h h6-4we aiowopant oi	30P98		0P98	0PC9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h -De aiowopant oi	30P98		0P98	0P01C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h -DemnAayipant oi	30P98		0P98	0PC5	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h -Det eAwopant oi	30P78		0P78	0P68	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h -Det eAwAoiunt n	30PC1		0PC1	0P06C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2h6-Det eAwAoiunt n	30PC1		0PC1	0P076	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2-I aiowot <paAa<int n	30PC1		0PC1	0P0, 9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2-I aiowopant oi	30PC1		0PC1	0P066	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2-MnAayit <paAa<int n	30P078		0P078	0P007C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2-MnAayipant oi	30PC1		0PC1	0P062	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2-&eAwo<t eet n	30PC1		0PC1	0P052	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
2-&eAwopant oi	30P98		0P98	0P01C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
9 F , MnAayipant oi	30PC1		0PC1	0P06,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
9h9[-De aiowobnt ze e t n	30PC1		0PC1	0P05,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
9-&eAwo<t eet n	30P98		0P98	0PC2	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, h6-Det eAwo-2-mnAayipant oi	30P78		0P78	0P9C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, -Bwomopant yi pant yi nAanw	30PC1		0PC1	0P05C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, -I aiowo-9-mnAayipant oi	30P98		0P98	0PC9	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, -I aiowo<t eet n	30P78		0P78	0PC8	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, -I aiowopant yi pant yi nAanw	30PC1		0PC1	0P0, 5	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, -&eAwo<t eet n	30P98		0P98	0PC6	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
, -&eAwopant oi	30P78		0P78	0P97	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
d. nt <paAant n	30P098		0P098	0P0061	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
d. nt <paAayint n	30P098		0P098	0P005C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
dt Aaw<. nt n	30P098		0P098	0P006,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Bnt zo]<Nt Aaw<. nt n	30P098		0P098	0P0052	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Bnt zo]<Npywnt n	30P098		0P098	0P0075	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Bnt zo]bNfiuow<t Aant n	30P098		0P098	0P0089	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Bnt zo]chaNpnwyint n	30P098		0P098	0P0C2	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Bnt zo]LNfiuow<t Aant n	30P098		0P098	0P0CC	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
BeE(2-. aiowonAaoxy)mnAa<t n	30PC1		0PC1	0P091	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
BeE(2-. aiowonAayi)nAanw	30PC1		0PC1	0P058	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
BeE(2-nAayianxyi) paAa<i<An	30PC1		0PC1	0P070	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
BuAyi bnt zyi paAa<i<An	30PC1		0PC1	0P079	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
I <wb<zoin	30PC1		0PC1	0P016	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
I awyEnt n	30P098		0P098	0P0CC	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Debnt z(<ha)<t Aaw<. nt n	30P098		0P098	0P007,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Debnt zofuw<t	30PC1		0PC1	0P0, 5	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
DenAayi paAa<i<An	30PC1		0PC1	0P065	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
DemnAayi paAa<i<An	30PC1		0PC1	0P050	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Det -buAyi paAa<i<An	30PC1		0PC1	0P051	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Det -o. Ayi paAa<i<An	30PC1		0PC1	0P069	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Fludxanthene	**0.0078**	**J**	0P098	0P007C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
' iuownt n	30P098		0P098	0P005,	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Hnx<. aiowobnt znt n	30P078		0P078	0P0081	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Hnx<. aiowobuA<r ent n	30PC1		0PC1	0P06C	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Hnx<. aiowo. y. iopnt A<r ent n	30P78		0P78	0P22	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C
Hnx<. aiowonAa<t n	30PC1		0PC1	0P051	mcSKc	☼	CCS02S2C C9:, 0	CCS00S2C C6:05	C

Client Sample ID: 801VB-21-M07-6 Dup

Date Cdlle/ tec: 60F27F26 68:00
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-[

r atxio: Sdlic
9ex/ ent Sdlics: V[.V

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
lt r nt o]C2l9-. r hpywnt n	30F098		0F098	0F0C0	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
IEopaowot n	30FC1		0FC1	0F0, 9	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
&<paAa<int n	30F098		0F098	0F0051	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
&eAwobnt znt n	30F098		0F098	0F0016	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
&-&eAwoEor et -pwopyi<met n	30F078		0F078	0F0, 7	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
&-&eAwoEor epant yi<met n	30FC1		0FC1	0F0, 5	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
j nt A<. aiowopant oi	30F78		0F78	0F62	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
9henanthxene	**0.0055**	**J**	0F098	0F005,	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
j ant oi	30FC1		0FC1	0F086	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C
j ywnt n	30F098		0F098	0F0077	mc3Kc	☼	CCS02S2C C9:, 0	CCS02S2C C6:05	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tri9rob ophenol	*83*		*71 - 147*	*11/02/21 17:40*	*11/10/21 16:0B*	*1*
2-Fluoro9iphenyl	*8m*		*47 - 14B*	*11/02/21 17:40*	*11/10/21 16:0B*	*1*
2-Fluorophenol	*6m*		*71 - 166*	*11/02/21 17:40*	*11/10/21 16:0B*	*1*
Nitro9en5ene-dB (Surr)	*BB*		*73 - 143*	*11/02/21 17:40*	*11/10/21 16:0B*	*1*
Phenol-dB	*34*		*70 - 1B7*	*11/02/21 17:40*	*11/10/21 16:0B*	*1*
Terphenyl-d14 (Surr)	*102*		*42 - 1B3*	*11/02/21 17:40*	*11/10/21 16:0B*	*1*

r ethdc: 1060M - r etals (IC9)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Antimdny	**0.[6**	**J M**	CFC	0F22	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Axseni/	**1.[**		0F56	0FC1	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Maxium	**[2**		0F56	0F069	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Mexyllium	**0.77**		0F22	0F052	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Mdxdn	**66**	**M**	2F8	0F26	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Cacmium	**0.012**	**J M**	0FCC	0F020	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Cal/ ium	**7V000**	**M**	56	1F,	mc3Kc	☼	CCS08S2C CC:00	CCSCCS2C C0:95	5
Chxdmium	**65**		0F56	0F27	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Cdbalt	**V.7**		0F28	0F079	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Cdppex	**26**		0F56	0FC6	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Ixdn	**6V000**	**M**	CC	5F8	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Leac	**66**		0F28	0FC9	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
r agnesium	**23000**		5F6	2F8	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
r anganese	**230**	**M**	0F56	0F08C	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
] i/ 4el	**25**		0F56	0FC6	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
9dtassium	**2500**		28	1F8	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Onint eum	30F56		0F56	0F99	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C, :0,	C
Silvex	**0.86**		0F28	0F072	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Sdcium	**220**		56	8F2	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
, hallium	**0.8[**	**J**	0F56	0F28	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
Banacium	**6V**		0F28	0F066	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C
kin/	**57**		CFC	0F, 1	mc3Kc	☼	CCS08S2C CC:00	CCS01S2C C9:C1	C

r ethdc: 1060M - r etals (IC9) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dwEnt e	30F050		0F050	0F0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C
Bnwyiieum	30F00, 0		0F00, 0	0F00, 0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C
I avomeum	30F025		0F025	0F0C0	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C
Ixdn	**0.2[**	**J**	0F, 0	0F20	mc3k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C

guwofet E4nEAlmnve <hl ae <co

Client Sample ID: 801VB-21-M07-6 Dup

Date Cdlle/ tec: 60P27P26 68:00
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-[

r atxio: Sdlic
9ex/ ent Sdlics: V[.V

r ethdc: 1060M - r etals (IC9) - , CL9 (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
kn<r	30P0075		0P0075	0P0075	mc9k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C
r anganese	0.[2		0P025	0P0C0	mc9k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C
&e Lni	30P025		0P025	0P0C0	mc9k		CCS0, S2C 08:00	CCS0, S2C C8:5C	C

r ethdc: 1060M - r etals (IC9) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Axseni/	0.018		0P050	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Maxium	0.[2	J	0P50	0P050	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Mexyllium	0.0057		0P00, 0	0P00, 0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Mdxdn	0.61		0P0C0	0P050	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
I <r meum	30P0050		0P0050	0P0020	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Cal/ ium	8V		2P5	0P50	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Chxdmium	0.66		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Cdbalt	0.088		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Ixdn	680		0P,0	0P20	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Leac	0.0[3		0P0075	0P0075	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
r anganese	0.5[		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
] i/ 4el	0.65		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
9dtassium	23		2P5	0P50	mc9k		CCS0552C 07:, 1	CCS0152C C, :26	C
Onint eum	30P050		0P050	0P020	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
Oeivnw	30P025		0P025	0P0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C
kin/	0.8[	J	0P50	0P020	mc9k		CCS0552C 07:, 1	CCS0852C C6:C2	C

r ethdc: 1020A - r etals (IC9P S) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
4a<iieum	30P0020		0P0020	0P0020	mc9k		CCS0, S2C 08:00	CCS0652C C5:, 7	C

r ethdc: 1020A - r etals (IC9P S) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dt Aenot y	30P0060		0P0060	0P0060	mc9k		CCS0552C 07:, 1	CCS0552C 20:, 8	C
, hallium	0.0085		0P0020	0P0020	mc9k		CCS0552C 07:, 1	CCS0552C 20:, 8	C

r ethdc: 7[70A - r ex/ uxy (CBAA) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Mnwuwy	30P00020		0P00020	0P00020	mc9k		CCS0552C 01:50	CCS0852C C0:C2	C

r ethdc: 7[76M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
r ex/ uxy	0.083		0P0C1	0P0062	mc9Kc	☼	CCS0, S2C C9:50	CCS0552C 08:0,	C

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
I y<t e nh4oA<i	30P26		0P26	0PC9	mc9Kc	☼	CCS0052C C7:, 8	CCS0052C C1:05	C
pT	V.2		0P2	0P2	OU			CCS0252C C5:, C	C

Client Sample Results

I ient A dt r vms E g t ce nnve c lt . P
j vo/n. ASOeAn: IDT 4 - dg 7-0, 0

Job ID: 500-207561-C

Client Sample ID: 801VB-21-M07-2

Date Cdlle/ tec: 60P27P26 68:60
Date Re/ eivec: 60P2VP26 60:50

Lab Sample ID: 500-207513-5

r atxio: Sdlic
9ex/ ent Sdlics: V1.V

r ethdc: V210M - Bdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
ChCC-4ve aiovonAa<t n	30P00C6		0P00C6	0P00059	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
ChCh2h2-4nAw<. aiovonAa<t n	30P00C6		0P00C6	0P0005C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
ChCh2-4ve aiovonAa<t n	30P00C6		0P00C6	0P00068	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
ChC-De aiovonAa<t n	30P00C6		0P00C6	0P00055	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
ChC-De aiovonAant n	30P00C6		0P00C6	0P00055	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Ch2-De aiovonAa<t n	30P00, 0		0P00, 0	0P00C2	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Ch2-De aiovopvop<t n	30P00C6		0P00C6	0P000, C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Ch9-De aiovopvopnt nh4oA<i	30P00C6		0P00C6	0P00056	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
2-BuA<t ot n (MgK)	30P00, 0		0P00, 0	0P00C8	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
2-Hnx<t ot n	30P00, 0		0P00, 0	0P00C2	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
, -MnAayi-2-pnt A<t ot n (MIBK)	30P00, 0		0P00, 0	0P00C2	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
A/ etdne	**0.0035**	**J**	0P00C6	0P0061	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Bnt znt n	30P00C6		0P00C6	0P000, C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Bwomor e aiovomnAa<t n	30P00C6		0P00C6	0P00092	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Bwomofown	30P00C6		0P00C6	0P000, 7	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
BwomomnAa<t n	30P00, 0	*+	0P00, 0	0P00C5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
I <vbot r eEuifer n	30P00, 0		0P00, 0	0P00089	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
I <vbot AnAw<. aiove n	30P00C6		0P00C6	0P000, 6	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
I aiovobnt znt n	30P00C6		0P00C6	0P00051	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
I aiovonAa<t n	30P00, 0	*+	0P00, 0	0P00C2	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
I aiovofown	30P00C6		0P00C6	0P00055	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
I aiovomnAa<t n	30P00, 0		0P00, 0	0P00C6	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
. eE-Ch2-De aiovonAant n	30P00C6		0P00C6	0P000, 5	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
. eE-Ch9-De aiovopvopnt n	30P00C6		0P00C6	0P000, 8	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Debvomo. aiovomnAa<t n	30P00C6		0P00C6	0P00052	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
gAayibnt znt n	30P00C6		0P00C6	0P00076	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
MnAayi AwAbuAyi nAanw	30P00C6		0P00C6	0P000, 7	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
MnAayint n I aiove n	30P00, 0		0P00, 0	0P00C6	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
OAywnt n	30P00C6		0P00C6	0P000, 8	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
4nAw<. aiovonAant n	30P00C6		0P00C6	0P0005,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
4oiunt n	30P00C6		0P00C6	0P000, 0	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Aw<t E-Ch2-De aiovonAant n	30P00C6		0P00C6	0P0007C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Aw<t E-Ch9-De aiovopvopnt n	30P00C6		0P00C6	0P00056	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
4ve aiovonAant n	30P00C6		0P00C6	0P0005,	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Vet yi . aiove n	30P00C6		0P00C6	0P0007C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C
Xyint nEh4oA<i	30P00092		0P00092	0P0005C	mc3Kc	☼	C0S28S2C C8:00	CCS09S2C C1:, 9	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*30 - 174*	*10/28/21 18:00*	*11/07/21 1m47*	*1*
4-f rob ozuoro9en5ene (Surr)	*m6*		*3B - 171*	*10/28/21 18:00*	*11/07/21 1m47*	*1*
Di9rob ozuorob ethane	*m8*		*3B - 126*	*10/28/21 18:00*	*11/07/21 1m47*	*1*
Toluene-d8 (Surr)	*mm*		*3B - 124*	*10/28/21 18:00*	*11/07/21 1m47*	*1*

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Ch2h, -4ve aiovobnt znt n	30PC8		0PC8	0P091	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:21	C
Ch2-De aiovobnt znt n	30PC8		0PC8	0P0, ,	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:21	C
Ch9-De aiovobnt znt n	30PC8		0PC8	0P0, C	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:21	C
Ch, -De aiovobnt znt n	30PC8		0PC8	0P0, 7	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:21	C
2h2[-oxybeEC-. aiovopvop<t nN	30PC8		0PC8	0P0, 2	mc3Kc	☼	CCS02S2C C9:, 0	CCS00S2C C6:21	C

guwofet E4nEAdmnve <hl ae <co

Client Sample ID: 801VB-21-M07-2

Lab Sample ID: 500-207513-5

Date Cdlle/ tec: 60P27P26 68:60
Date Re/ eivec: 60P2VP26 60:50

r atxio: Sdlic
9 ex/ ent Sdlics: V1.V

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCP S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9 xepaxec	Analyzec	Dil Fa/
2h, I5-4we aiowopant oi	30P96		0P96	0P089	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2h, I6-4we aiowopant oi	30P96		0P96	0PC9	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2h, -De aiowopant oi	30P96		0P96	0P087	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2h, -DemnAayipant oi	30P96		0P96	0PC,	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2h, -Det eAwopant oi	30P7,		0P7,	0P6,	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2h, -Det eAwoAoiunt n	30PC8		0PC8	0P058	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2h6-Det eAwoAoiunt n	30PC8		0PC8	0P072	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2-I aiowot <paAa<int n	30PC8		0PC8	0P0, 0	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2-I aiowopant oi	30PC8		0PC8	0P062	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2-MnAayit <paAa<int n	30P07,		0P07,	0P0067	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2-MnAayipant oi	30PC8		0PC8	0P051	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2-&eAwo<t eiet n	30PC8		0PC8	0P0, 1	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
2-&eAwopant oi	30P96		0P96	0P086	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
9 F , MnAayipant oi	30PC8		0PC8	0P06C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
9h9[-De aiowobnt zere t n	30PC8		0PC8	0P05C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
9-&eAwo<t eiet n	30P96		0P96	0PCC	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, I6-Det eAwo-2-mnAayipant oi	30P7,		0P7,	0P21	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, -Bwomopant yi pant yi nAanw	30PC8		0PC8	0P0, 8	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, -I aiowo-9-mnAayipant oi	30P96		0P96	0PC2	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, -I aiowo<t eiet n	30P7,		0P7,	0PC7	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, -I aiowopant yi pant yi nAanw	30PC8		0PC8	0P0, 9	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, -&eAwo<t eiet n	30P96		0P96	0PC5	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
, -&eAwopant oi	30P7,		0P7,	0P95	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
d. nt <paAant n	30P096		0P096	0P0066	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
d. nt <paAayint n	30P096		0P096	0P0, 8	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
dt Aaw<. nt n	30P096		0P096	0P006C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Bnt zo]<Nt Aaw<. nt n	30P096		0P096	0P0, 1	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Bnt zo]<Npywnt n	30P096		0P096	0P007C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Bnt zo]bNfiuow<t Aant n	30P096		0P096	0P0071	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
MenzdZg EnEHpexylene	**0.06[**	**J**	0P096	0P0C2	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Bnt zo]LNfiuow<t Aant n	30P096		0P096	0P0CC	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
BeE(2-. aiowonAaoxy)mnAa<t n	30PC8		0PC8	0P097	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
BeE(2-. aiowonAayi)nAanw	30PC8		0PC8	0P055	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
BeE(2-nAayianxyi) paAa<i<An	30PC8		0PC8	0P067	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
BuAyi bnt zyi paAa<i<An	30PC8		0PC8	0P061	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
I <wb<zoin	30PC8		0PC8	0P01C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Chxysene	**0.020**	**J**	0P096	0P0C0	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Debnt z(<ha)<t Aaw<. nt n	30P096		0P096	0P007C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Debnt zofuw<t	30PC8		0PC8	0P0, 9	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
DenAayi paAa<i<An	30PC8		0PC8	0P062	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
DemnAayi paAa<i<An	30PC8		0PC8	0P0, 8	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Det -buAyi paAa<i<An	30PC8		0PC8	0P056	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Det -o. Ayi paAa<i<An	30PC8		0PC8	0P060	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
' iuow<t Aant n	30P096		0P096	0P0068	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
' iuownt n	30P096		0P096	0P005C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Hnx<. aiowobnt znt n	30P07,		0P07,	0P0085	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Hnx<. aiowobuA<r ent n	30PC8		0PC8	0P057	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Hnx<. aiowo. y. iopnt A<r ent n	30P7,		0P7,	0P2C	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C
Hnx<. aiowonAa<t n	30PC8		0PC8	0P055	mc$Kc	☼	CCS02S2C C9:, 0	CCS0S2C C6:21	C

g uwofet E 4nEAd mnwe <hI ae <co

Client Sample ID: 801VB-21-M07-2

Date Cdlle/ tec: 60F27F26 68:60
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-5

r atxio: Sdlic
9ex/ ent Sdlics: V1.V

r ethdc: V270D - Semivdlatile Oxgani/ Cdmpduncs (GCF S) (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
lt r nt o]C2l9-. r hpywnt n	30F096		0F096	0F0015	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
IEopaowot n	30FC8		0FC8	0F0, C	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
&<paAa<int n	30F096		0F096	0F0056	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
&eAwobnt znt n	30F096		0F096	0F001C	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
&-&eAwoEor et -pwopyi<met n	30F07,		0F07,	0F0, 5	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
&-&eAwoEor epant yi<met n	30FC8		0FC8	0F0, 9	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
j nt A<. aiowopant oi	30F7,		0F7,	0F51	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
9henanthxene	**0.0053**	**J**	0F096	0F005C	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
j ant oi	30FC8		0FC8	0F08C	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C
9yxene	**0.025**	**J**	0F096	0F0079	mc3Kc	☼	CCS0292CC9:, 0	CCS0292CC6:21	C

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tri9rob ophenol	*81*		*71 - 147*	*11/02/21 17:40*	*11/10/21 16:2m*	*1*
2-Fluoro9iphenyl	*m7*		*47 - 14B*	*11/02/21 17:40*	*11/10/21 16:2m*	*1*
2-Fluorophenol	*81*		*71 - 166*	*11/02/21 17:40*	*11/10/21 16:2m*	*1*
Nitro9en5ene-dB (Surr)	*6B*		*73 - 143*	*11/02/21 17:40*	*11/10/21 16:2m*	*1*
Phenol-dB	*82*		*70 - 1B7*	*11/02/21 17:40*	*11/10/21 16:2m*	*1*
Terphenyl-d14 (Surr)	*10B*		*42 - 1B3*	*11/02/21 17:40*	*11/10/21 16:2m*	*1*

r ethdc: 1060M - r etals (IC9)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Antimdny	**0.[7**	**J M**	CFC	0F22	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Axseni/	**1.5**		0F55	0FC1	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Maxium	**8[**		0F55	0F069	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Mexyllium	**0.72**		0F22	0F052	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Mdxdn	**66**	**M**	2F8	0F26	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Cacmium	**0.085**	**J M**	0FCC	0F020	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Cal/ ium	**V2000**	**M**	55	1F,	mc3Kc	☼	CCS0282CCC:00	CCSCC2CC0:98	5
Chxdmium	**68**		0F55	0F27	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Cdbalt	**3.2**		0F28	0F079	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Cdppex	**22**		0F55	0FC6	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Ixdn	**22000**	**M**	55	21	mc3Kc	☼	CCS0282CCC:00	CCSCC2CC0:98	5
Leac	**66**		0F28	0FC9	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
r agnesium	**[1000**		28	C,	mc3Kc	☼	CCS0282CCC:00	CCSCC2CC0:98	5
r anganese	**880**	**M**	0F55	0F080	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
] i/ 4el	**2V**		0F55	0FC6	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
9dtassium	**2500**		28	1F8	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Onint eum	30F55		0F55	0F99	mc3Kc	☼	CCS0282CCC:00	CCS0192CCC, :07	C
Silvex	**0.27**	**J**	0F28	0F072	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Sdcium	**260**		55	8F2	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
, hallium	**0.[7**	**J**	0F55	0F28	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
Banacium	**61**		0F28	0F065	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C
kin/	**5[**		CFC	0F, 1	mc3Kc	☼	CCS0282CCC:00	CCS0192CC9:22	C

r ethdc: 1060M - r etals (IC9) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Bnwyiieum	30F00, 0		0F00, 0	0F00, 0	mc3k		CCS0, S2CC8:00	CCS0, S2CC1:00	C
lwot	30F, 0		0F, 0	0F20	mc3k		CCS0, S2CC8:00	CCS0, S2CC1:00	C
kn<r	30F0075		0F0075	0F0075	mc3k		CCS0, S2CC8:00	CCS0, S2CC1:00	C
r anganese	**6.1**		0F025	0FCC0	mc3k		CCS0, S2CC8:00	CCS0, S2CC1:00	C

Client Sample ID: 801VB-21-M07-2

Date Cdlle/ tec: 60F27F26 68:60
Date Re/ eivec: 60F2VF26 60:50

Lab Sample ID: 500-207513-5

r atxio: Sdlic
9ex/ ent Sdlics: V1.V

r ethdc: 1060M - r etals (IC9) - , CL9 (Cdntinuec)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
&e Lni	30F025		0F025	0F0C0	mc9k		CCS0, S2C 08:00	CCS0, S2C C1:00	C

r ethdc: 1060M - r etals (IC9) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Axseni/	0.085	J	0F050	0F0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Maxium	0.28	J	0F50	0F050	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Mexyllium	0.00[2		0F00, 0	0F00, 0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Mdxdn	0.6V		0FC0	0F050	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
I <r me.um	30F0050		0F0050	0F0020	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Cal/ ium	22		2F5	0F50	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Chxdmium	0.0V7		0F025	0F0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Cdbalt	0.08[		0F025	0F0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Ixdn	V0		0F,0	0F20	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Leac	0.08[		0F0075	0F0075	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
r anganese	0.8V		0F025	0F0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
] i/ 4el	0.62		0F025	0F0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
9dtassium	23		2F5	0F50	mc9k		CCS0552C 07:, 1	CCS0152C C, :21	C
Onint eum	30F0050		0F0050	0F0020	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
Oeivnw	30F025		0F025	0F0C0	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C
kin/	0.28	J	0F50	0F020	mc9k		CCS0552C 07:, 1	CCS0852C C6:C5	C

r ethdc: 1020A - r etals (IC9P S) - , CL9

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
4a<iieum	30F0020		0F0020	0F0020	mc9k		CCS0, S2C 08:00	CCS0652C C5:, 1	C

r ethdc: 1020A - r etals (IC9P S) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
dt Aemot y	30F0060		0F0060	0F0060	mc9k		CCS0552C 07:, 1	CCS0552C 20:50	C
, hallium	0.0021		0F0020	0F0020	mc9k		CCS0552C 07:, 1	CCS0552C 20:50	C

r ethdc: 7[70A - r ex/ uxy (CBAA) - S9L9 Nast

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
Mnwuwy	30F00020		0F00020	0F00020	mc9k		CCS0552C 01:50	CCS0852C C0:C8	C

r ethdc: 7[76M - r ex/ uxy (CBAA)

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
r ex/ uxy	0.020		0F0C8	0F0060	mc9Kc	☼	CCS0, S2C C9:50	CCS0552C 08:06	C

Genexal Chemistxy

Analyte	Result	Qualifiex	RL	r DL	Unit	D	9xepaxec	Analyzec	Dil Fa/
I y<t e nh4oA<i	30F26		0F26	0FC9	mc9Kc	☼	CCS0052C C7:, 8	CCS0052C C1:C0	C
pT	V.0		0F2	0F2	OU			CCS0252C C5:, ,	C

guwofet E4nEAdmnve <hl ae <co

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-040

Job ID: 500-207569-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Accreditation/Certification Summary

Client: Andrews Engineering Inc.
Project/Site: IDOT - AE7-0U0

Job ID: 500-207564-1

Laboratory: Eurofins TestAmerica, Chicago

h nless ot, erwise notedayll ynylf tes vor t, is lyborytorf were couered Nnder eyc, yccreditytion/certivicytion below.

Authority	Program	Identification Number	Expiration Date
Illinois	L E3AP	I300095	0U-24-22

T, e vollowing ynylf tes yre inclNded in t, is reportabNt t, e lyborytorf is not certivied bf t, e gouerning yNt, oritf . T, is list myf inclNde ynylf tes vor w, ic, t, e ygencf does not ower certivicytion.

Anylf sis Met, od	Prep Met, od	Mytrix	Anylf te
6020A	9010A	Solid	Antimonf
6020A	9010A	Solid	T, ylliNm
7U70A	7U70A	Solid	MercNrf
8260B	5095	Solid	1a9-Dic, loropropeneaTotyl
MoistNre		Solid	Percent MoistNre
MoistNre		Solid	Percent Solids

ANDREWS ENGINEERING

CHAIN OF CUSTODY RECORD

500-207569 COC

Client Contact	Laboratory	
Andrews Engineering, Inc 3300 Ginger Creek Drive Springfield, IL 62711 217-787-2334 Contact Colleen Grey email cgrey@andrews-eng com	Lab **Test America - Chicago** Address **2417 Bond Street** **University Park, IL 60484** Phone **708-534-5200** Contact **Dick Wright** email richard wright@testamericainc com	Project Name ~~AE7~~ -040A Project No PTB/WO: 184-006/040A TAT ☒ 15 BD ☐ 10 BD ☐ 5 BD ☐ 2 BD ____ Other **Sampler:** S. Khodaei

COC No 1 of 1

Lab Job No 500-207569

Sample Temp. 1.6

Special Instructions:

See Table 2 for complete parameter lists and minimum reporting limits

* If Total RCRA metal (mg/kg) result exceeds the Soil Toxicity Characteristics Limit (Table 3), run TCLP for that specific RCRA metal

** If SPLP result exceeds Class I Standard, run TCLP for that specific parameter

*** If total cyanide exceeds MAC, run ASTM D3987 (Neutral Leach) cyanide

Matrix Key:

W Water
S Soil
SL Sludge
S Sediment
L Leachate
DW Drinking Water
OL Oil
O Other

ANALYSES

Lab ID	Sample ID	Sample Date	Sample Time	Matrix	VOCs	SVOCs	BETX & MTBE	PNAs	Pesticides	PCBs	* Total Metals	SPLP/** TCLP Metals	*** Cyanide	pH	% Solids	Waste Characterization				Comments
1	3068V-26-B09	10/27	1230	S	X	X					X	X	X	X	X					
2	3068V-26-B08	↓	1240	↓	↓	↓					↓	↓	↓	↓	↓					
3	3068V-26-B07-1		1250																	
4	3068V-26-B07-1 DUP		1300																	
5	3068V-26-B07-2	↓	1310	↓	↓	↓					↓	↓	↓	↓	↓					
																				Remaining
																				samples at
																				site 3068V-26
																				will not be
																				collected

Relinquished by	Date/Time 10/28/21	Received by	Date/Time 10/28/21 9:45A
Relinquished by	Date/Time 10/28/21 9:45A	Received by	Date/Time 10/28/21 0945
Relinquished by	Date/Time 10/28/21 1050	Received by	Date/Time 10/28/21 1050

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 21 (US 20) Office Phone Number, if available:

Physical Site Location (address, including number and street):
1490 West Lake Street (northeast corner of Gary Avenue and Colby Commerce Drive)

City: Roselle State: IL Zip Code: 60172

County: DuPage Township: Bloomingdale

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.97339 (Decimal Degrees) Longitude: -88.11866 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

Approximate Start Date (mm/dd/yyyy): N/A Approximate End Date (mm/dd/yyyy): N/A

Estimated Volume of debris (cu. Yd.): 38

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma Romiti-Johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 21 (US 20) Latitude: 41.97339 Longitude: - 88.11866

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION 3068V-29-B01 WAS SAMPLED ADJACENT TO SITE 3068V-29. SEE TABLE 3m AND FIGURE 5 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

EUROFINS/TEST AMERICA ANALYTICAL REPORT - TEST AMERICA JOB ID NUMBER: 500-207652-1.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Savo Radulovic, L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Andrews Engineering, Inc.
Street Address:	420 Eisenhower Lane North
City:	Lombard State: IL Zip Code: 60148
Phone:	630-953-3332

Savo Radulovic
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 18, 2022
Date:

P.E or L.P.G. Seal:

The following table summarizes the results of laboratory analysis of site soil samples. In reading the table,

- Only parameters reported at concentrations above the most stringent MAC are listed.

- Samples with the notation **“No Contaminants of Concern Noted”** were below the most stringent MAC.

The laboratory report for site soils follows this summary table.

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Volatile Organic Compounds (mg/kg)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichloropropene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene chloride
Methyl-tert-butyl-ether (MTBE)
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Vinyl acetate
Vinyl chloride
Xylenes, total
Semivolatile Organic Compounds (mg/kg)
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3´-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate
Butyl benzyl phthalate
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
Nitrobenzene

THIS TABLE LISTS THE PARAMETERS ANALYZED IN SITE SOIL SAMPLES

ANALYTICAL PARAMETERS

Semivolatile Organic Compounds (mg/kg)
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
Inorganic Compounds, Total (mg/kg)
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Vanadium
Zinc
Cyanide
TCLP/SPLP Inorganics (mg/L)
Antimony
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cyanide