



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: City of Geneva 2024 Street Improvements Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

Westfield Course, Geneva, IL

City: Geneva State: IL Zip Code: 60134

County: Kane Township: Geneva

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

Latitude: 41.89488 Longitude: -88.28734

(Decimal Degrees)

(-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): _____ Approximate End Date (mm/dd/yyyy): _____

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

II. Owner/Operator Information for Source Site

Site Owner

Name: City of Geneva-Public Works Department

Street Address: 1800 South Street

PO Box: _____

City: Geneva State: IL

Zip Code: 60134 Phone: (630) 232-1279

Contact: Mr. Elton Orozco

Email, if available: corozco@geneva.il.us

Site Operator

Name: City of Geneva-Public Works Department

Street Address: 1800 South Street

PO Box: _____

City: Geneva State: IL

Zip Code: 60305 Phone: (630) 232-1279

Contact: Mr. Elton Orozco

Email, if available: corozco@geneva.il.us

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.

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)]:

One grab sample was collected by NST representative, at about 12" deep from the surface at Westfield Course, Geneva, IL. Sample was then tested by Eurofins Test America Laboratories in order to determine, if the material is in compliance with CCDD requirements. We understand that client will export approximately 1,000 cubic yards of the material from this location.

- 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]:

See attached report for material and tested by Eurofins Test America Laboratories. Initially, the Iron (within and non-MSA County) concentration were out. After additional TCLP tests, all analyses are within the maximum allowable limits.

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

I, Umar T. Ahmad (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: NASHnal Soil Testing, LLC
Street Address: 23856 W. Andrew Road, Unit 103
City: Plainfield State: IL Zip Code: 60585
Phone: 630-780-5201

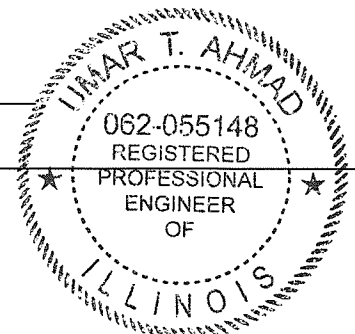
Umar. T. Ahmad, PE

Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7/29/2024

Date:



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

ANALYTICAL REPORT

PREPARED FOR

Attn: Umar T Ahmad
NASHnal Soil Testing, LLC
23856 W. Andrew Road
Unit 103
Plainfield, Illinois 60585

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JOB DESCRIPTION

2024 Street Improvement

Westfield Course, Geneva, IL

JOB NUMBER

500-253383-1

Eurofins Chicago

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Authorized for release by
Jim Knapp, Senior Project Manager
Jim.Knapp@et.eurofinsus.com
(630)758-0262

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	12
QC Association	13
Surrogate Summary	16
QC Sample Results	18
Chronicle	28
Certification Summary	29
Chain of Custody	30
Receipt Checklists	31



Case Narrative

Client: NASHnal Soil Testing, LLC
Project: 2024 Street Improvement

Job ID: 500-253383-1

Job ID: 500-253383-1

Eurofins Chicago

Job Narrative 500-253383-1

Receipt

The sample was received on 7/11/2024 3:47 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 27.9° C.

GC/MS VOA

Method 8260D: Internal standard (TBA-d9) response was outside of acceptance limits for the following sample: WFC (500-253383-1). The sample did not have detects of requested analytes using this internal standard.

Method 8260D: Surrogate recovery for the following sample was outside the upper control limit: WFC (500-253383-1). This sample did not contain any target analytes above the reporting limit; therefore, re-extraction and/or re-analysis was not performed.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-776650 was outside the method criteria for the following analyte(s): Benzoic acid and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-776650 was outside the method criteria for the following analyte(s): Benzo[b]fluoranthene, Dibenzo(a,h)anthracene, 3,3'-Dichlorobenzidine, Di-n-octyl phthalate and Indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC Semi VOA

Method 8082A: DCB Decachlorobiphenyl surrogate recovery for the following samples was outside control limits: (500-253434-D-33-A) and (500-253434-D-33-C MSD). Tetrachloro-m-xylene surrogate was within the control limits; therefore, re-extraction and/or re-analysis was not performed.

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

Metals

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

General Chemistry

Method 9012B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-776957 and analytical batch 500-777409 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Organic Prep

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

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Detection Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Client Sample ID: WFC

Lab Sample ID: 500-253383-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]pyrene	0.049		0.040	0.038	mg/Kg	1	✱		8270E	Total/NA
Benzo[b]fluoranthene	0.086		0.040	0.038	mg/Kg	1	✱		8270E	Total/NA
Benzo[g,h,i]perylene	0.045		0.040	0.0086	mg/Kg	1	✱		8270E	Total/NA
Chrysene	0.057		0.040	0.010	mg/Kg	1	✱		8270E	Total/NA
Fluoranthene	0.084		0.040	0.0092	mg/Kg	1	✱		8270E	Total/NA
Pyrene	0.064		0.040	0.011	mg/Kg	1	✱		8270E	Total/NA
4,4'-DDE	0.0036		0.0021	0.0011	mg/Kg	1	✱		8081B	Total/NA
Dieldrin	0.0037		0.0021	0.0011	mg/Kg	1	✱		8081B	Total/NA
Aluminum	11000		12	4.8	mg/Kg	1	✱		6010D	Total/NA
Arsenic	6.4		0.59	0.20	mg/Kg	1	✱		6010D	Total/NA
Barium	110		0.59	0.067	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.63		0.24	0.055	mg/Kg	1	✱		6010D	Total/NA
Cadmium	0.12		0.12	0.021	mg/Kg	1	✱		6010D	Total/NA
Calcium	5100		12	2.0	mg/Kg	1	✱		6010D	Total/NA
Chromium	15		0.59	0.29	mg/Kg	1	✱		6010D	Total/NA
Cobalt	8.7		0.30	0.077	mg/Kg	1	✱		6010D	Total/NA
Copper	14		0.59	0.17	mg/Kg	1	✱		6010D	Total/NA
Iron	16000		12	6.1	mg/Kg	1	✱		6010D	Total/NA
Lead	19		0.30	0.14	mg/Kg	1	✱		6010D	Total/NA
Magnesium	3400		5.9	2.9	mg/Kg	1	✱		6010D	Total/NA
Manganese	580		0.59	0.086	mg/Kg	1	✱		6010D	Total/NA
Nickel	18		1.2	0.34	mg/Kg	2	✱		6010D	Total/NA
Potassium	1400		30	10	mg/Kg	1	✱		6010D	Total/NA
Selenium	0.70		0.59	0.35	mg/Kg	1	✱		6010D	Total/NA
Thallium	1.4		0.59	0.29	mg/Kg	1	✱		6010D	Total/NA
Vanadium	26		0.30	0.070	mg/Kg	1	✱		6010D	Total/NA
Zinc	63		1.2	0.52	mg/Kg	1	✱		6010D	Total/NA
Iron	16		0.20	0.20	mg/L	1			6010D	TCLP
Mercury	0.036		0.019	0.0078	mg/Kg	1	✱		7471B	Total/NA
pH	7.7		0.2	0.2	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8081B	Organochlorine Pesticides (GC)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
6010D	Metals (ICP)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
7471B	Mercury (CVAA)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable	SW846	EET CHI
9045D	pH	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
1311	TCLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
3050B	Preparation, Metals	SW846	EET CHI
3541	Automated Soxhlet Extraction	SW846	EET CHI
3546	Microwave Extraction	SW846	EET CHI
5035	Closed System Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
7471B	Preparation, Mercury	SW846	EET CHI
9010C	Cyanide, Distillation	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-253383-1	WFC	Solid	07/11/24 14:20	07/11/24 15:47

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

Client Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Client Sample ID: WFC

Lab Sample ID: 500-253383-1

Date Collected: 07/11/24 14:20

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 79.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00080	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00074	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,1-Dichloroethane	<0.0020		0.0020	0.00074	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,1-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,2-Dibromo-3-Chloropropane	<0.0049		0.0049	0.0035	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,2-Dibromoethane	<0.0020		0.0020	0.00083	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,2-Dichloroethane	<0.0049		0.0049	0.0013	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00095	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
2-Butanone (MEK)	<0.0049		0.0049	0.0022	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Acetone	<0.020		0.020	0.0083	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Benzene	<0.0020		0.0020	0.00062	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Bromodichloromethane	<0.0020		0.0020	0.00063	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Bromomethane	<0.0049		0.0049	0.0024	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Carbon disulfide	<0.0049		0.0049	0.00091	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Carbon tetrachloride	<0.0020		0.0020	0.00067	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Chlorobenzene	<0.0020		0.0020	0.00083	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00080	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Dibromochloromethane	<0.0020		0.0020	0.00092	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Ethylbenzene	<0.0020		0.0020	0.0010	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
m&p-Xylene	<0.0039		0.0039	0.00062	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00064	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Methylene Chloride	<0.0049		0.0049	0.0021	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
n-Butyl alcohol	<0.12	*3	0.12	0.075	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
o-Xylene	<0.0020		0.0020	0.00068	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Styrene	<0.0020		0.0020	0.00089	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00075	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Vinyl acetate	<0.0049		0.0049	0.0012	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Vinyl chloride	<0.0020		0.0020	0.00081	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Xylenes, Total	<0.0039		0.0039	0.00068	mg/Kg	☆	07/11/24 19:10	07/16/24 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	138	S1+	70 - 134				07/11/24 19:10	07/16/24 20:46	1
4-Bromofluorobenzene (Surr)	104		75 - 131				07/11/24 19:10	07/16/24 20:46	1
Dibromofluoromethane	122		75 - 126				07/11/24 19:10	07/16/24 20:46	1
Toluene-d8 (Surr)	102		75 - 124				07/11/24 19:10	07/16/24 20:46	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0081	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Acenaphthylene	<0.040		0.040	0.0068	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Aldicarb	<0.80		0.80	0.40	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Anthracene	<0.040		0.040	0.0081	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Benzo[a]anthracene	<0.040		0.040	0.0084	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Benzo[a]pyrene	0.049		0.040	0.038	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1

Eurofins Chicago

Client Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Client Sample ID: WFC

Lab Sample ID: 500-253383-1

Date Collected: 07/11/24 14:20

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 79.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.086		0.040	0.038	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Benzo[g,h,i]perylene	0.045		0.040	0.0086	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Benzoic acid	<2.0		2.0	0.24	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Benzo[k]fluoranthene	<0.040		0.040	0.015	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.16	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Butyl benzyl phthalate	<0.20		0.20	0.020	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Carbazole	<0.20		0.20	0.016	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Carbofuran	<0.80		0.80	0.20	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
4-Chloroaniline	<0.80		0.80	0.42	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Chrysene	0.057		0.040	0.010	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Dibenz(a,h)anthracene	<0.040		0.040	0.040	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.033	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,4-Dichlorophenol	<0.40		0.40	0.014	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,4-Dimethylphenol	<0.40		0.40	0.089	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Di-n-butyl phthalate	<0.20		0.20	0.013	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,4-Dinitrophenol	<0.80		0.80	0.23	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,4-Dinitrotoluene	<0.20		0.20	0.023	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,6-Dinitrotoluene	<0.20		0.20	0.014	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Di-n-octyl phthalate	<0.40		0.40	0.28	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Fluoranthene	0.084		0.040	0.0092	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Fluorene	<0.040		0.040	0.012	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Hexachlorobenzene	<0.080		0.080	0.0076	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Hexachlorocyclopentadiene	<0.80		0.80	0.42	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Hexachloroethane	<0.20		0.20	0.020	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.039	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Isophorone	<0.20		0.20	0.021	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Naphthalene	<0.040		0.040	0.0072	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Nitrobenzene	<0.040		0.040	0.013	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
4-Nitrophenol	<0.80		0.80	0.15	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.0079	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
N-Nitrosodiphenylamine	<0.20		0.20	0.024	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Phenanthrene	<0.040		0.040	0.0087	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Phenol	<0.20		0.20	0.017	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
Pyrene	0.064		0.040	0.011	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.028	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,4,5-Trichlorophenol	<0.40		0.40	0.015	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1
2,4,6-Trichlorophenol	<0.40		0.40	0.014	mg/Kg	☆	07/15/24 07:43	07/15/24 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		43 - 145	07/15/24 07:43	07/15/24 16:35	1
2-Fluorophenol	81		31 - 166	07/15/24 07:43	07/15/24 16:35	1
Nitrobenzene-d5	83		37 - 147	07/15/24 07:43	07/15/24 16:35	1
Phenol-d5	84		30 - 153	07/15/24 07:43	07/15/24 16:35	1
Terphenyl-d14	76		42 - 157	07/15/24 07:43	07/15/24 16:35	1

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Client Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Client Sample ID: WFC

Lab Sample ID: 500-253383-1

Date Collected: 07/11/24 14:20

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 79.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		31 - 143	07/15/24 07:43	07/15/24 16:35	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alachlor	<0.021		0.021	0.0016	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Aldrin	<0.0021		0.0021	0.0014	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
alpha-BHC	<0.0021		0.0021	0.0012	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Chlordane (technical)	<0.0082		0.0082	0.0039	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
4,4'-DDD	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
4,4'-DDE	0.0036		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
4,4'-DDT	<0.0021		0.0021	0.00098	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Dieldrin	0.0037		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Endosulfan I	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Endosulfan II	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Endrin	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
gamma-BHC (Lindane)	<0.0021		0.0021	0.0010	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Heptachlor	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Heptachlor epoxide	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Methoxychlor	<0.010		0.010	0.0014	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1
Toxaphene	<0.020		0.020	0.0082	mg/Kg	☆	07/12/24 15:16	07/16/24 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	45		33 - 148	07/12/24 15:16	07/16/24 20:41	1
Tetrachloro-m-xylene	63		30 - 121	07/12/24 15:16	07/16/24 20:41	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0080	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
PCB-1221	<0.020		0.020	0.0080	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
PCB-1232	<0.020		0.020	0.0055	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
PCB-1242	<0.020		0.020	0.0079	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
PCB-1248	<0.020		0.020	0.0097	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
PCB-1254	<0.020		0.020	0.0069	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
PCB-1260	<0.020		0.020	0.0077	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1
Polychlorinated biphenyls, Total	<0.020		0.020	0.0055	mg/Kg	☆	07/12/24 15:16	07/16/24 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 129	07/12/24 15:16	07/16/24 12:51	1
DCB Decachlorobiphenyl	75		37 - 121	07/12/24 15:16	07/16/24 12:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.8	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Arsenic	6.4		0.59	0.20	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Barium	110		0.59	0.067	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Beryllium	0.63		0.24	0.055	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Cadmium	0.12		0.12	0.021	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Calcium	5100		12	2.0	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Chromium	15		0.59	0.29	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1

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Client Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Client Sample ID: WFC

Lab Sample ID: 500-253383-1

Date Collected: 07/11/24 14:20

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 79.1

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	8.7		0.30	0.077	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Copper	14		0.59	0.17	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Iron	16000		12	6.1	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Lead	19		0.30	0.14	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Magnesium	3400		5.9	2.9	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Manganese	580		0.59	0.086	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Nickel	18		1.2	0.34	mg/Kg	☆	07/16/24 12:23	07/23/24 12:35	2
Potassium	1400		30	10	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Selenium	0.70		0.59	0.35	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Silver	<0.59		0.59	0.15	mg/Kg	☆	07/16/24 12:23	07/23/24 12:35	2
Sodium	<59		59	8.7	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Thallium	1.4		0.59	0.29	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Vanadium	26		0.30	0.070	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1
Zinc	63		1.2	0.52	mg/Kg	☆	07/16/24 12:23	07/23/24 06:41	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/18/24 09:16	07/19/24 15:52	1
Barium	<0.50		0.50	0.050	mg/L		07/18/24 09:16	07/19/24 15:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/18/24 09:16	07/19/24 15:52	1
Chromium	<0.025		0.025	0.010	mg/L		07/18/24 09:16	07/19/24 15:52	1
Iron	16		0.20	0.20	mg/L		07/18/24 09:16	07/19/24 15:52	1
Lead	<0.050		0.050	0.0075	mg/L		07/18/24 09:16	07/19/24 15:52	1
Selenium	<0.050		0.050	0.020	mg/L		07/18/24 09:16	07/19/24 15:52	1
Silver	<0.025		0.025	0.010	mg/L		07/18/24 09:16	07/19/24 15:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/19/24 11:20	07/22/24 08:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0078	mg/Kg	☆	07/19/24 16:00	07/22/24 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.28		0.28	0.14	mg/Kg	☆	07/16/24 16:24	07/18/24 15:52	1
pH (SW846 9045D)	7.7		0.2	0.2	SU			07/17/24 18:00	1

Definitions/Glossary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

GC/MS VOA

Prep Batch: 776328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	5035	

Analysis Batch: 776817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	8260D	776328
MB 500-776817/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-776817/5	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-776817/11	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 776601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	3546	
MB 500-776601/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-776601/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 776650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	8270E	776601
MB 500-776601/1-A	Method Blank	Total/NA	Solid	8270E	776601
LCS 500-776601/2-A	Lab Control Sample	Total/NA	Solid	8270E	776601

GC Semi VOA

Prep Batch: 776509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	3541	
MB 500-776509/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-776509/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 500-776509/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 776871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	8082A	776509
MB 500-776509/1-A	Method Blank	Total/NA	Solid	8082A	776509
LCS 500-776509/3-A	Lab Control Sample	Total/NA	Solid	8082A	776509

Analysis Batch: 776877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	8081B	776509
MB 500-776509/1-A	Method Blank	Total/NA	Solid	8081B	776509
LCS 500-776509/2-A	Lab Control Sample	Total/NA	Solid	8081B	776509

Metals

Leach Batch: 776914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	TCLP	Solid	1311	
LB 500-776914/1-B	Method Blank	TCLP	Solid	1311	
LB 500-776914/1-C	Method Blank	TCLP	Solid	1311	

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QC Association Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Metals

Prep Batch: 776920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	3050B	
MB 500-776920/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-776920/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 777310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	TCLP	Solid	3010A	776914
LB 500-776914/1-B	Method Blank	TCLP	Solid	3010A	776914
LCS 500-777310/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 777533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	TCLP	Solid	7470A	776914
LB 500-776914/1-C	Method Blank	TCLP	Solid	7470A	776914
MB 500-777533/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-777533/13-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 500-777533/28-A	Lab Control Sample Dup	Total/NA	Solid	7470A	

Prep Batch: 777556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	7471B	
MB 500-777556/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-777556/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 777734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	TCLP	Solid	6010D	777310
LB 500-776914/1-B	Method Blank	TCLP	Solid	6010D	777310
LCS 500-777310/2-A	Lab Control Sample	Total/NA	Solid	6010D	777310

Analysis Batch: 777750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	7471B	777556
MB 500-777556/12-A	Method Blank	Total/NA	Solid	7471B	777556
LCS 500-777556/13-A	Lab Control Sample	Total/NA	Solid	7471B	777556

Analysis Batch: 777794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	TCLP	Solid	7470A	777533
LB 500-776914/1-C	Method Blank	TCLP	Solid	7470A	777533
MB 500-777533/12-A	Method Blank	Total/NA	Solid	7470A	777533
LCS 500-777533/13-A	Lab Control Sample	Total/NA	Solid	7470A	777533
LCSD 500-777533/28-A	Lab Control Sample Dup	Total/NA	Solid	7470A	777533

Analysis Batch: 777949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	6010D	776920
MB 500-776920/1-A	Method Blank	Total/NA	Solid	6010D	776920
LCS 500-776920/2-A	Lab Control Sample	Total/NA	Solid	6010D	776920

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QC Association Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Metals

Analysis Batch: 778007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	6010D	776920

General Chemistry

Prep Batch: 776957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	9010C	
MB 500-776957/1-A	Method Blank	Total/NA	Solid	9010C	
LCS 500-776957/2-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 777169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	Moisture	

Analysis Batch: 777295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	9045D	
LCS 500-777295/2	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-777295/3	Lab Control Sample Dup	Total/NA	Solid	9045D	

Analysis Batch: 777409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253383-1	WFC	Total/NA	Solid	9012B	776957
MB 500-776957/1-A	Method Blank	Total/NA	Solid	9012B	776957
LCS 500-776957/2-A	Lab Control Sample	Total/NA	Solid	9012B	776957

Surrogate Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-134)	BFB (75-131)	DBFM (75-126)	TOL (75-124)
500-253383-1	WFC	138 S1+	104	122	102
LCS 500-776817/5	Lab Control Sample	123	100	113	106
LCSD 500-776817/11	Lab Control Sample Dup	129	100	116	103
MB 500-776817/7	Method Blank	130	106	116	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (43-145)	2FP (31-166)	NBZ (37-147)	PHL (30-153)	TPHL (42-157)	TBP (31-143)
500-253383-1	WFC	93	81	83	84	76	93
LCS 500-776601/2-A	Lab Control Sample	95	81	79	86	84	100
MB 500-776601/1-A	Method Blank	92	85	85	83	86	99

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (33-148)	TCX1 (30-121)
500-253383-1	WFC	45	63
LCS 500-776509/2-A	Lab Control Sample	75	69
MB 500-776509/1-A	Method Blank	71	60

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-253383-1	WFC	70	75
LCS 500-776509/3-A	Lab Control Sample	61	67
MB 500-776509/1-A	Method Blank	51	57

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Surrogate Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-776817/7

Matrix: Solid

Analysis Batch: 776817

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00081	mg/Kg			07/16/24 13:53	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00075	mg/Kg			07/16/24 13:53	1
1,1-Dichloroethane	<0.0020		0.0020	0.00075	mg/Kg			07/16/24 13:53	1
1,1-Dichloroethene	<0.0020		0.0020	0.00082	mg/Kg			07/16/24 13:53	1
1,2-Dibromo-3-Chloropropane	<0.0050		0.0050	0.0035	mg/Kg			07/16/24 13:53	1
1,2-Dibromoethane	<0.0020		0.0020	0.00084	mg/Kg			07/16/24 13:53	1
1,2-Dichloroethane	<0.0050		0.0050	0.0013	mg/Kg			07/16/24 13:53	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			07/16/24 13:53	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00096	mg/Kg			07/16/24 13:53	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			07/16/24 13:53	1
Acetone	<0.020		0.020	0.0084	mg/Kg			07/16/24 13:53	1
Benzene	<0.0020		0.0020	0.00063	mg/Kg			07/16/24 13:53	1
Bromodichloromethane	<0.0020		0.0020	0.00064	mg/Kg			07/16/24 13:53	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg			07/16/24 13:53	1
Bromomethane	<0.0050		0.0050	0.0025	mg/Kg			07/16/24 13:53	1
Carbon disulfide	<0.0050		0.0050	0.00092	mg/Kg			07/16/24 13:53	1
Carbon tetrachloride	<0.0020		0.0020	0.00068	mg/Kg			07/16/24 13:53	1
Chlorobenzene	<0.0020		0.0020	0.00084	mg/Kg			07/16/24 13:53	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg			07/16/24 13:53	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg			07/16/24 13:53	1
Dibromochloromethane	<0.0020		0.0020	0.00093	mg/Kg			07/16/24 13:53	1
Ethylbenzene	<0.0020		0.0020	0.0011	mg/Kg			07/16/24 13:53	1
m&p-Xylene	<0.0040		0.0040	0.00063	mg/Kg			07/16/24 13:53	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00065	mg/Kg			07/16/24 13:53	1
Methylene Chloride	<0.0050		0.0050	0.0021	mg/Kg			07/16/24 13:53	1
n-Butyl alcohol	<0.13		0.13	0.076	mg/Kg			07/16/24 13:53	1
o-Xylene	<0.0020		0.0020	0.00069	mg/Kg			07/16/24 13:53	1
Styrene	<0.0020		0.0020	0.00090	mg/Kg			07/16/24 13:53	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg			07/16/24 13:53	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg			07/16/24 13:53	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00076	mg/Kg			07/16/24 13:53	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg			07/16/24 13:53	1
Vinyl acetate	<0.0050		0.0050	0.0012	mg/Kg			07/16/24 13:53	1
Vinyl chloride	<0.0020		0.0020	0.00082	mg/Kg			07/16/24 13:53	1
Xylenes, Total	<0.0040		0.0040	0.00069	mg/Kg			07/16/24 13:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	130		70 - 134		07/16/24 13:53	1
4-Bromofluorobenzene (Surr)	106		75 - 131		07/16/24 13:53	1
Dibromofluoromethane	116		75 - 126		07/16/24 13:53	1
Toluene-d8 (Surr)	100		75 - 124		07/16/24 13:53	1

Lab Sample ID: LCS 500-776817/5

Matrix: Solid

Analysis Batch: 776817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0500	0.0571		mg/Kg		114	70 - 128

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

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

Lab Sample ID: LCS 500-776817/5

Matrix: Solid

Analysis Batch: 776817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	0.0500	0.0396		mg/Kg		79	70 - 125
1,1-Dichloroethane	0.0500	0.0462		mg/Kg		92	70 - 125
1,1-Dichloroethene	0.0500	0.0474		mg/Kg		95	70 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0449		mg/Kg		90	60 - 136
1,2-Dibromoethane	0.0500	0.0421		mg/Kg		84	70 - 125
1,2-Dichloroethane	0.0500	0.0539		mg/Kg		108	70 - 130
1,2-Dichloropropane	0.0500	0.0415		mg/Kg		83	70 - 125
2-Butanone (MEK)	0.0500	0.0343		mg/Kg		69	47 - 138
Acetone	0.0500	0.0418		mg/Kg		84	40 - 150
Benzene	0.0500	0.0438		mg/Kg		88	70 - 125
Bromodichloromethane	0.0500	0.0470		mg/Kg		94	67 - 129
Bromoform	0.0500	0.0489		mg/Kg		98	68 - 136
Bromomethane	0.0500	0.0500		mg/Kg		100	70 - 130
Carbon disulfide	0.0500	0.0466		mg/Kg		93	70 - 129
Carbon tetrachloride	0.0500	0.0563		mg/Kg		113	75 - 125
Chlorobenzene	0.0500	0.0432		mg/Kg		86	50 - 150
Chloroform	0.0500	0.0536		mg/Kg		107	57 - 135
cis-1,2-Dichloroethene	0.0500	0.0462		mg/Kg		92	70 - 125
Dibromochloromethane	0.0500	0.0448		mg/Kg		90	69 - 125
Ethylbenzene	0.0500	0.0449		mg/Kg		90	61 - 136
Methyl tert-butyl ether	0.0500	0.0532		mg/Kg		106	50 - 140
Methylene Chloride	0.0500	0.0434		mg/Kg		87	70 - 126
Styrene	0.0500	0.0476		mg/Kg		95	70 - 125
Tetrachloroethene	0.0500	0.0490		mg/Kg		98	70 - 124
Toluene	0.0500	0.0427		mg/Kg		85	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0470		mg/Kg		94	70 - 125
Trichloroethene	0.0500	0.0487		mg/Kg		97	70 - 125
Vinyl acetate	0.0500	0.0344		mg/Kg		69	40 - 153
Vinyl chloride	0.0500	0.0408		mg/Kg		82	70 - 125
Xylenes, Total	0.100	0.0963		mg/Kg		96	53 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 134
4-Bromofluorobenzene (Surr)	100		75 - 131
Dibromofluoromethane	113		75 - 126
Toluene-d8 (Surr)	106		75 - 124

Lab Sample ID: LCSD 500-776817/11

Matrix: Solid

Analysis Batch: 776817

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0500	0.0576		mg/Kg		115	70 - 128	1	30
1,1,2-Trichloroethane	0.0500	0.0378		mg/Kg		76	70 - 125	5	30
1,1-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125	3	30
1,1-Dichloroethene	0.0500	0.0494		mg/Kg		99	70 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0500	0.0426		mg/Kg		85	60 - 136	5	30
1,2-Dibromoethane	0.0500	0.0423		mg/Kg		85	70 - 125	0	30

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

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

Lab Sample ID: LCSD 500-776817/11

Matrix: Solid

Analysis Batch: 776817

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	0.0500	0.0524		mg/Kg		105	70 - 130	3	30
1,2-Dichloropropane	0.0500	0.0399		mg/Kg		80	70 - 125	4	30
2-Butanone (MEK)	0.0500	0.0364		mg/Kg		73	47 - 138	6	30
Acetone	0.0500	0.0435		mg/Kg		87	40 - 150	4	30
Benzene	0.0500	0.0427		mg/Kg		85	70 - 125	3	30
Bromodichloromethane	0.0500	0.0445		mg/Kg		89	67 - 129	5	30
Bromoform	0.0500	0.0487		mg/Kg		97	68 - 136	0	30
Bromomethane	0.0500	0.0524		mg/Kg		105	70 - 130	5	30
Carbon disulfide	0.0500	0.0482		mg/Kg		96	70 - 129	3	30
Carbon tetrachloride	0.0500	0.0582		mg/Kg		116	75 - 125	3	30
Chlorobenzene	0.0500	0.0412		mg/Kg		82	50 - 150	5	30
Chloroform	0.0500	0.0525		mg/Kg		105	57 - 135	2	30
cis-1,2-Dichloroethene	0.0500	0.0444		mg/Kg		89	70 - 125	4	30
Dibromochloromethane	0.0500	0.0427		mg/Kg		85	69 - 125	5	30
Ethylbenzene	0.0500	0.0435		mg/Kg		87	61 - 136	3	30
Methyl tert-butyl ether	0.0500	0.0549		mg/Kg		110	50 - 140	3	30
Methylene Chloride	0.0500	0.0431		mg/Kg		86	70 - 126	1	30
Styrene	0.0500	0.0461		mg/Kg		92	70 - 125	3	30
Tetrachloroethene	0.0500	0.0489		mg/Kg		98	70 - 124	0	30
Toluene	0.0500	0.0405		mg/Kg		81	70 - 125	5	30
trans-1,2-Dichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125	2	30
Trichloroethene	0.0500	0.0466		mg/Kg		93	70 - 125	5	30
Vinyl acetate	0.0500	0.0365		mg/Kg		73	40 - 153	6	30
Vinyl chloride	0.0500	0.0424		mg/Kg		85	70 - 125	4	30
Xylenes, Total	0.100	0.0922		mg/Kg		92	53 - 147	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	129		70 - 134
4-Bromofluorobenzene (Surr)	100		75 - 131
Dibromofluoromethane	116		75 - 126
Toluene-d8 (Surr)	103		75 - 124

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

Lab Sample ID: MB 500-776601/1-A

Matrix: Solid

Analysis Batch: 776650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 776601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0068	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Acenaphthylene	<0.033		0.033	0.0056	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Aldicarb	<0.67		0.67	0.33	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Anthracene	<0.033		0.033	0.0068	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Benzo[a]anthracene	<0.033		0.033	0.0070	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Benzo[a]pyrene	<0.033		0.033	0.032	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Benzo[b]fluoranthene	<0.033		0.033	0.032	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Benzo[g,h,i]perylene	<0.033		0.033	0.0072	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Benzoic acid	<1.7		1.7	0.20	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Benzo[k]fluoranthene	<0.033		0.033	0.013	mg/Kg		07/15/24 07:43	07/15/24 14:03	1

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

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

Lab Sample ID: MB 500-776601/1-A

Matrix: Solid

Analysis Batch: 776650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 776601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	<0.17		0.17	0.015	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.13	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Butyl benzyl phthalate	<0.17		0.17	0.017	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Carbazole	<0.17		0.17	0.013	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Carbofuran	<0.67		0.67	0.17	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
4-Chloroaniline	<0.67		0.67	0.35	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2-Chlorophenol	<0.17		0.17	0.011	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Chrysene	<0.033		0.033	0.0088	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Dibenz(a,h)anthracene	<0.033		0.033	0.033	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
1,2-Dichlorobenzene	<0.17		0.17	0.014	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
1,4-Dichlorobenzene	<0.17		0.17	0.016	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.027	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,4-Dichlorophenol	<0.33		0.33	0.012	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Diethyl phthalate	<0.17		0.17	0.015	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,4-Dimethylphenol	<0.33		0.33	0.074	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Di-n-butyl phthalate	<0.17		0.17	0.011	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,4-Dinitrophenol	<0.67		0.67	0.19	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,4-Dinitrotoluene	<0.17		0.17	0.019	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,6-Dinitrotoluene	<0.17		0.17	0.011	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Di-n-octyl phthalate	<0.33		0.33	0.23	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Fluoranthene	<0.033		0.033	0.0077	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Fluorene	<0.033		0.033	0.0098	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Hexachlorobenzene	<0.067		0.067	0.0064	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Hexachlorocyclopentadiene	<0.67		0.67	0.35	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Hexachloroethane	<0.17		0.17	0.017	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.032	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Isophorone	<0.17		0.17	0.017	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2-Methylphenol	<0.17		0.17	0.018	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Naphthalene	<0.033		0.033	0.0060	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Nitrobenzene	<0.033		0.033	0.011	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
4-Nitrophenol	<0.67		0.67	0.12	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
N-Nitrosodi-n-propylamine	<0.067		0.067	0.0066	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
N-Nitrosodiphenylamine	<0.17		0.17	0.020	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Phenanthrene	<0.033		0.033	0.0072	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Phenol	<0.17		0.17	0.014	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
Pyrene	<0.033		0.033	0.0091	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.024	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,4,5-Trichlorophenol	<0.33		0.33	0.013	mg/Kg		07/15/24 07:43	07/15/24 14:03	1
2,4,6-Trichlorophenol	<0.33		0.33	0.011	mg/Kg		07/15/24 07:43	07/15/24 14:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		43 - 145	07/15/24 07:43	07/15/24 14:03	1
2-Fluorophenol	85		31 - 166	07/15/24 07:43	07/15/24 14:03	1
Nitrobenzene-d5	85		37 - 147	07/15/24 07:43	07/15/24 14:03	1
Phenol-d5	83		30 - 153	07/15/24 07:43	07/15/24 14:03	1
Terphenyl-d14	86		42 - 157	07/15/24 07:43	07/15/24 14:03	1
2,4,6-Tribromophenol	99		31 - 143	07/15/24 07:43	07/15/24 14:03	1

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

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

Lab Sample ID: LCS 500-776601/2-A

Matrix: Solid

Analysis Batch: 776650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 776601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3.33	3.22		mg/Kg		97	63 - 109
Acenaphthylene	3.33	3.15		mg/Kg		94	61 - 115
Anthracene	3.33	2.99		mg/Kg		90	68 - 120
Benzo[a]anthracene	3.33	3.24		mg/Kg		97	70 - 121
Benzo[a]pyrene	3.33	3.68		mg/Kg		110	73 - 132
Benzo[b]fluoranthene	3.33	3.74		mg/Kg		112	68 - 123
Benzo[g,h,i]perylene	3.33	3.63		mg/Kg		109	65 - 126
Benzoic acid	6.67	2.91		mg/Kg		44	10 - 135
Benzo[k]fluoranthene	3.33	3.44		mg/Kg		103	64 - 128
Bis(2-chloroethyl)ether	3.33	2.50		mg/Kg		75	49 - 99
Bis(2-ethylhexyl) phthalate	3.33	3.51		mg/Kg		105	70 - 139
Butyl benzyl phthalate	3.33	3.97		mg/Kg		119	65 - 140
Carbazole	3.33	3.19		mg/Kg		96	68 - 120
4-Chloroaniline	3.33	2.80		mg/Kg		84	22 - 110
2-Chlorophenol	3.33	2.79		mg/Kg		84	50 - 102
Chrysene	3.33	2.97		mg/Kg		89	70 - 123
Dibenz(a,h)anthracene	3.33	3.74		mg/Kg		112	66 - 125
1,2-Dichlorobenzene	3.33	2.36		mg/Kg		71	47 - 94
1,4-Dichlorobenzene	3.33	2.42		mg/Kg		73	46 - 92
3,3'-Dichlorobenzidine	3.33	3.55		mg/Kg		107	36 - 131
2,4-Dichlorophenol	3.33	2.83		mg/Kg		85	51 - 109
Diethyl phthalate	3.33	3.26		mg/Kg		98	66 - 115
2,4-Dimethylphenol	3.33	2.76		mg/Kg		83	48 - 93
Di-n-butyl phthalate	3.33	3.17		mg/Kg		95	69 - 125
2,4-Dinitrophenol	6.67	4.24		mg/Kg		64	10 - 130
2,4-Dinitrotoluene	3.33	3.97		mg/Kg		119	65 - 120
2,6-Dinitrotoluene	3.33	3.46		mg/Kg		104	66 - 117
Di-n-octyl phthalate	3.33	3.36		mg/Kg		101	61 - 131
Fluoranthene	3.33	3.25		mg/Kg		97	66 - 123
Fluorene	3.33	3.40		mg/Kg		102	62 - 113
Hexachlorobenzene	3.33	3.10		mg/Kg		93	52 - 126
Hexachlorocyclopentadiene	3.33	2.17		mg/Kg		65	10 - 100
Hexachloroethane	3.33	2.65		mg/Kg		79	45 - 95
Indeno[1,2,3-cd]pyrene	3.33	3.42		mg/Kg		102	66 - 131
Isophorone	3.33	2.73		mg/Kg		82	47 - 108
2-Methylphenol	3.33	2.88		mg/Kg		86	50 - 104
Naphthalene	3.33	2.41		mg/Kg		72	54 - 98
Nitrobenzene	3.33	2.80		mg/Kg		84	52 - 105
4-Nitrophenol	6.67	5.91		mg/Kg		89	45 - 126
N-Nitrosodi-n-propylamine	3.33	2.57		mg/Kg		77	48 - 110
N-Nitrosodiphenylamine	3.33	2.66		mg/Kg		80	67 - 112
Phenanthrene	3.33	3.00		mg/Kg		90	65 - 115
Phenol	3.33	3.07		mg/Kg		92	52 - 110
Pyrene	3.33	3.00		mg/Kg		90	71 - 128
1,2,4-Trichlorobenzene	3.33	2.42		mg/Kg		73	49 - 100
2,4,5-Trichlorophenol	3.33	3.14		mg/Kg		94	48 - 121
2,4,6-Trichlorophenol	3.33	3.46		mg/Kg		104	50 - 121

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

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

Lab Sample ID: LCS 500-776601/2-A

Matrix: Solid

Analysis Batch: 776650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 776601

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	95		43 - 145
2-Fluorophenol	81		31 - 166
Nitrobenzene-d5	79		37 - 147
Phenol-d5	86		30 - 153
Terphenyl-d14	84		42 - 157
2,4,6-Tribromophenol	100		31 - 143

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 500-776509/1-A

Matrix: Solid

Analysis Batch: 776877

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 776509

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Alachlor	<0.017		0.017	0.0013	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Aldrin	<0.0017		0.0017	0.0012	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
alpha-BHC	<0.0017		0.0017	0.00095	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Chlordane (technical)	<0.0067		0.0067	0.0032	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
4,4'-DDD	<0.0017		0.0017	0.00091	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
4,4'-DDE	<0.0017		0.0017	0.00087	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
4,4'-DDT	<0.0017		0.0017	0.00080	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Dieldrin	<0.0017		0.0017	0.00088	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Endosulfan I	<0.0017		0.0017	0.00091	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Endosulfan II	<0.0017		0.0017	0.00093	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Endrin	<0.0017		0.0017	0.00086	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
gamma-BHC (Lindane)	<0.0017		0.0017	0.00084	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Heptachlor	<0.0017		0.0017	0.00091	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Heptachlor epoxide	<0.0017		0.0017	0.00091	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Methoxychlor	<0.0083		0.0083	0.0011	mg/Kg		07/12/24 15:16	07/16/24 14:16	1
Toxaphene	<0.017		0.017	0.0067	mg/Kg		07/12/24 15:16	07/16/24 14:16	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	71		33 - 148	07/12/24 15:16	07/16/24 14:16	1
Tetrachloro-m-xylene	60		30 - 121	07/12/24 15:16	07/16/24 14:16	1

Lab Sample ID: LCS 500-776509/2-A

Matrix: Solid

Analysis Batch: 776877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 776509

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aldrin	0.0133	0.0101		mg/Kg		75	52 - 122
alpha-BHC	0.0133	0.0102		mg/Kg		77	50 - 123
4,4'-DDD	0.0133	0.0102		mg/Kg		77	47 - 137
4,4'-DDE	0.0133	0.0100		mg/Kg		75	50 - 130
4,4'-DDT	0.0133	0.0104		mg/Kg		78	46 - 143
Dieldrin	0.0133	0.0101		mg/Kg		76	51 - 133
Endosulfan I	0.0133	0.00802		mg/Kg		60	30 - 120
Endosulfan II	0.0133	0.00872		mg/Kg		65	30 - 120

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 500-776509/2-A
Matrix: Solid
Analysis Batch: 776877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.0133	0.0104		mg/Kg		78	43 - 144
gamma-BHC (Lindane)	0.0133	0.0101		mg/Kg		76	50 - 122
Heptachlor	0.0133	0.00993		mg/Kg		74	53 - 129
Heptachlor epoxide	0.0133	0.0101		mg/Kg		75	50 - 139
Methoxychlor	0.0133	0.0100		mg/Kg		75	45 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	75		33 - 148
Tetrachloro-m-xylene	69		30 - 121

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-776509/1-A
Matrix: Solid
Analysis Batch: 776871

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.017		0.017	0.0066	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
PCB-1221	<0.017		0.017	0.0066	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
PCB-1232	<0.017		0.017	0.0045	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
PCB-1242	<0.017		0.017	0.0065	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
PCB-1248	<0.017		0.017	0.0079	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
PCB-1254	<0.017		0.017	0.0057	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
PCB-1260	<0.017		0.017	0.0063	mg/Kg		07/12/24 15:16	07/16/24 10:48	1
Polychlorinated biphenyls, Total	<0.017		0.017	0.0045	mg/Kg		07/12/24 15:16	07/16/24 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	51		49 - 129	07/12/24 15:16	07/16/24 10:48	1
DCB Decachlorobiphenyl	57		37 - 121	07/12/24 15:16	07/16/24 10:48	1

Lab Sample ID: LCS 500-776509/3-A
Matrix: Solid
Analysis Batch: 776871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.167	0.131		mg/Kg		79	57 - 120
PCB-1260	0.167	0.122		mg/Kg		73	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	61		49 - 129
DCB Decachlorobiphenyl	67		37 - 121

QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-776920/1-A
Matrix: Solid
Analysis Batch: 777949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<20		20	8.2	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Antimony	<2.0		2.0	0.39	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Arsenic	<1.0		1.0	0.34	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Barium	<1.0		1.0	0.11	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Beryllium	<0.40		0.40	0.093	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Cadmium	<0.20		0.20	0.036	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Calcium	<20		20	3.4	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Chromium	<1.0		1.0	0.50	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Cobalt	<0.50		0.50	0.13	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Copper	<1.0		1.0	0.28	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Iron	<20		20	10	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Lead	<0.50		0.50	0.23	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Magnesium	<10		10	5.0	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Manganese	<1.0		1.0	0.15	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Nickel	<1.0		1.0	0.29	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Potassium	<50		50	18	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Selenium	<1.0		1.0	0.59	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Silver	<0.50		0.50	0.13	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Sodium	<100		100	15	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Thallium	<1.0		1.0	0.50	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Vanadium	<0.50		0.50	0.12	mg/Kg		07/16/24 12:23	07/23/24 04:08	1
Zinc	<2.0		2.0	0.88	mg/Kg		07/16/24 12:23	07/23/24 04:08	1

Lab Sample ID: LCS 500-776920/2-A
Matrix: Solid
Analysis Batch: 777949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	200	194		mg/Kg		97	80 - 120
Antimony	50.0	48.7		mg/Kg		97	80 - 120
Arsenic	10.0	9.33		mg/Kg		93	80 - 120
Barium	200	196		mg/Kg		98	80 - 120
Beryllium	5.00	4.74		mg/Kg		95	80 - 120
Cadmium	5.00	4.52		mg/Kg		90	80 - 120
Calcium	1000	964		mg/Kg		96	80 - 120
Chromium	20.0	19.1		mg/Kg		96	80 - 120
Cobalt	50.0	43.3		mg/Kg		87	80 - 120
Copper	25.0	23.9		mg/Kg		96	80 - 120
Iron	100	112		mg/Kg		112	80 - 120
Lead	10.0	8.97		mg/Kg		90	80 - 120
Magnesium	1000	943		mg/Kg		94	80 - 120
Manganese	50.0	47.2		mg/Kg		94	80 - 120
Nickel	50.0	44.2		mg/Kg		88	80 - 120
Potassium	1000	959		mg/Kg		96	80 - 120
Selenium	10.0	8.57		mg/Kg		86	80 - 120
Silver	5.00	4.42		mg/Kg		88	80 - 120
Sodium	1000	959		mg/Kg		96	80 - 120
Thallium	10.0	9.34		mg/Kg		93	80 - 120
Vanadium	50.0	47.7		mg/Kg		95	80 - 120

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

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

Lab Sample ID: LCS 500-776920/2-A
Matrix: Solid
Analysis Batch: 777949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	50.0	49.5		mg/Kg		99	80 - 120

Lab Sample ID: LCS 500-777310/2-A
Matrix: Solid
Analysis Batch: 777734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.113		mg/L		113	80 - 120
Barium	0.500	0.488	J	mg/L		98	80 - 120
Cadmium	0.0500	0.0510		mg/L		102	80 - 120
Chromium	0.200	0.209		mg/L		105	80 - 120
Iron	1.00	1.00		mg/L		100	80 - 120
Lead	0.100	0.107		mg/L		107	80 - 120
Selenium	0.100	0.115		mg/L		115	80 - 120
Silver	0.0500	0.0527		mg/L		105	80 - 120

Lab Sample ID: LB 500-776914/1-B
Matrix: Solid
Analysis Batch: 777734

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 777310

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/18/24 09:16	07/19/24 13:52	1
Barium	<0.50		0.50	0.050	mg/L		07/18/24 09:16	07/19/24 13:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/18/24 09:16	07/19/24 13:52	1
Chromium	<0.025		0.025	0.010	mg/L		07/18/24 09:16	07/19/24 13:52	1
Iron	<0.20		0.20	0.20	mg/L		07/18/24 09:16	07/19/24 13:52	1
Lead	<0.050		0.050	0.0075	mg/L		07/18/24 09:16	07/19/24 13:52	1
Selenium	<0.050		0.050	0.020	mg/L		07/18/24 09:16	07/19/24 13:52	1
Silver	<0.025		0.025	0.010	mg/L		07/18/24 09:16	07/19/24 13:52	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-777533/12-A
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/19/24 11:20	07/22/24 07:29	1

Lab Sample ID: LCS 500-777533/13-A
Matrix: Solid
Analysis Batch: 777794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777533

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00198		mg/L		99	80 - 120

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QC Sample Results

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 500-777533/28-A

Matrix: Solid

Analysis Batch: 777794

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 777533

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00201	0.00196		mg/L		98	80 - 120	1	20

Lab Sample ID: LB 500-776914/1-C

Matrix: Solid

Analysis Batch: 777794

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 777533

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		07/19/24 11:20	07/22/24 08:05	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-777556/12-A

Matrix: Solid

Analysis Batch: 777750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 777556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0069	mg/Kg		07/19/24 16:00	07/22/24 09:09	1

Lab Sample ID: LCS 500-777556/13-A

Matrix: Solid

Analysis Batch: 777750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 777556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.159		mg/Kg		95	80 - 120

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 500-776957/1-A

Matrix: Solid

Analysis Batch: 777409

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 776957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.24		0.24	0.12	mg/Kg		07/16/24 16:24	07/18/24 15:21	1

Lab Sample ID: LCS 500-776957/2-A

Matrix: Solid

Analysis Batch: 777409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 776957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	2.40	2.57		mg/Kg		107	85 - 115

Eurofins Chicago

Lab Chronicle

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Client Sample ID: WFC

Date Collected: 07/11/24 14:20

Date Received: 07/11/24 15:47

Lab Sample ID: 500-253383-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			776914	HH	EET CHI	07/16/24 14:30 - 07/17/24 08:30 ¹
TCLP	Prep	3010A			777310	BDE	EET CHI	07/18/24 09:16 - 07/18/24 15:16 ¹
TCLP	Analysis	6010D		1	777734	SJ	EET CHI	07/19/24 15:52
TCLP	Leach	1311			776914	HH	EET CHI	07/16/24 14:30 - 07/17/24 08:30 ¹
TCLP	Prep	7470A			777533	MJG	EET CHI	07/19/24 11:20 - 07/19/24 13:20 ¹
TCLP	Analysis	7470A		1	777794	MJG	EET CHI	07/22/24 08:22
Total/NA	Analysis	9045D		1	777295	SO	EET CHI	07/17/24 18:00
Total/NA	Analysis	Moisture		1	777169	DG	EET CHI	07/17/24 14:43

Client Sample ID: WFC

Date Collected: 07/11/24 14:20

Date Received: 07/11/24 15:47

Lab Sample ID: 500-253383-1

Matrix: Solid

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			776328	WRE	EET CHI	07/11/24 19:10
Total/NA	Analysis	8260D		1	776817	EA	EET CHI	07/16/24 20:46
Total/NA	Prep	3546			776601	LG	EET CHI	07/15/24 07:43
Total/NA	Analysis	8270E		1	776650	H7CM	EET CHI	07/15/24 16:35
Total/NA	Prep	3541			776509	SV	EET CHI	07/12/24 15:16 - 07/12/24 21:30 ¹
Total/NA	Analysis	8081B		1	776877	H7CM	EET CHI	07/16/24 20:41
Total/NA	Prep	3541			776509	SV	EET CHI	07/12/24 15:16 - 07/12/24 21:30 ¹
Total/NA	Analysis	8082A		1	776871	H7CM	EET CHI	07/16/24 12:51
Total/NA	Prep	3050B			776920	S1Z	EET CHI	07/16/24 12:23 - 07/16/24 18:23 ¹
Total/NA	Analysis	6010D		1	777949	SJ	EET CHI	07/23/24 06:41
Total/NA	Prep	3050B			776920	S1Z	EET CHI	07/16/24 12:23 - 07/16/24 18:23 ¹
Total/NA	Analysis	6010D		2	778007	SJ	EET CHI	07/23/24 12:35
Total/NA	Prep	7471B			777556	MJG	EET CHI	07/19/24 16:00
Total/NA	Analysis	7471B		1	777750	MJG	EET CHI	07/22/24 10:04
Total/NA	Prep	9010C			776957	MB	EET CHI	07/16/24 16:24 - 07/16/24 16:54 ¹
Total/NA	Analysis	9012B		1	777409	KF	EET CHI	07/18/24 15:52

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: NASHnal Soil Testing, LLC
Project/Site: 2024 Street Improvement

Job ID: 500-253383-1

Laboratory: Eurofins 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	05-31-25
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
7470A	7470A	Solid	Mercury
8082A	3541	Solid	Polychlorinated biphenyls, Total
8260D	5035	Solid	1,3-Dichloropropene, Total
8270E	3546	Solid	Aldicarb
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

540853

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact		Project Manager		Site Contact		Date:		COC No				
Company Name <u>NASHnal Soil Testing LLC</u>		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs				
Address <u>23856 W Andrew Road #103</u>		Analysis Turnaround Time		500-253383 COC 		Sampler		For Lab Use Only: Walk-in Client Lab Sampling				
City/State/Zip <u>Plainfield IL, 60585</u>		☐ CALENDAR DAYS ☐ WORKING DAYS										
Phone <u>630 780 5201</u>		TAT if different from Below _____										
Fax _____		☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day										
Project Name <u>2024 Street Improvement</u>		Sample Identification		Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Job / SDG No	Sample Specific Notes
Site <u>City of Geneva</u>		WFC		7/11/24	2:20	G	Solid		N	Y	500-253383	
P O # _____												
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____												
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown										☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months		
Special Instructions/QC Requirements & Comments: <u>CCDD Full Panel</u>												
Custody Seals Intact ☐ Yes ☐ No				Custody Seal No		Cooler Temp (°C) Obs'd <u>28.4</u> Corr'd <u>27.9</u>		Therm ID No <u>K3 7/11/24</u>				
Relinquished by <u>Adan Arroyo</u>		Company <u>Nashnal</u>		Date/Time <u>7/11/24</u>		Received by		Company		Date/Time		
Relinquished by		Company		Date/Time		Received by		Company		Date/Time		
Relinquished by		Company		Date/Time		Received in Laboratory by <u>Hawthorn</u>		Company <u>EETA</u>		Date/Time <u>07/11/24 1547</u>		

Login Sample Receipt Checklist

Client: NASHnal Soil Testing, LLC

Job Number: 500-253383-1

Login Number: 253383

List Number: 1

Creator: Schmidt, Kara

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	27.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	