



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):

Scott Blvd., 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: 41.88983 Longitude: - 88.32418

(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 Scott Blvd. 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, Manganese (within and non-MSA County), Thallium & Chromium 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

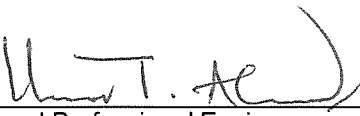
I, Umar T. Ahmad (name of licensed professional engineer or geologist)
certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental 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
Scott Blvd., Geneva, IL

JOB NUMBER

500-253380-1

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

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Case Narrative

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

Job ID: 500-253380-1

Job ID: 500-253380-1

Eurofins Chicago

Job Narrative 500-253380-1

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: Surrogate recovery for the following sample was outside the upper control limit: SBD (500-253380-1). 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-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

Method 6010D: The continuing calibration blanks for analytical batch 777052 contained Ba greater than the reporting limit (RL). The associated samples were not reanalyzed because they had results greater than 10X the CCB levels. The data have been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or 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.

Eurofins Chicago

Detection Summary

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

Job ID: 500-253380-1

Client Sample ID: SBD

Lab Sample ID: 500-253380-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	15000		21	8.4	mg/Kg	1	✱		6010D	Total/NA
Arsenic	11		1.0	0.35	mg/Kg	1	✱		6010D	Total/NA
Barium	120	^2	1.0	0.12	mg/Kg	1	✱		6010D	Total/NA
Calcium	4700		21	3.5	mg/Kg	1	✱		6010D	Total/NA
Chromium	25		1.0	0.51	mg/Kg	1	✱		6010D	Total/NA
Cobalt	15		0.52	0.14	mg/Kg	1	✱		6010D	Total/NA
Copper	26		1.0	0.29	mg/Kg	1	✱		6010D	Total/NA
Iron	29000		21	11	mg/Kg	1	✱		6010D	Total/NA
Lead	22		0.52	0.24	mg/Kg	1	✱		6010D	Total/NA
Magnesium	5500		10	5.1	mg/Kg	1	✱		6010D	Total/NA
Manganese	660		1.0	0.15	mg/Kg	1	✱		6010D	Total/NA
Nickel	41		1.0	0.30	mg/Kg	1	✱		6010D	Total/NA
Potassium	2400		52	18	mg/Kg	1	✱		6010D	Total/NA
Sodium	400		100	15	mg/Kg	1	✱		6010D	Total/NA
Thallium	2.9		1.0	0.52	mg/Kg	1	✱		6010D	Total/NA
Vanadium	37		0.52	0.12	mg/Kg	1	✱		6010D	Total/NA
Zinc	87		2.1	0.91	mg/Kg	1	✱		6010D	Total/NA
Barium	0.67		0.50	0.050	mg/L	1			6010D	TCLP
Iron	0.99		0.20	0.20	mg/L	1			6010D	TCLP
Mercury	0.048		0.019	0.0078	mg/Kg	1	✱		7471B	Total/NA
pH	7.8		0.2	0.2	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

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

Job ID: 500-253380-1

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: 500-253380-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-253380-1	SBD	Solid	07/11/24 13:10	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: 500-253380-1

Client Sample ID: SBD

Lab Sample ID: 500-253380-1

Date Collected: 07/11/24 13:10

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00069	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00064	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,1-Dichloroethane	<0.0017		0.0017	0.00064	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,1-Dichloroethene	<0.0017		0.0017	0.00070	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,2-Dibromo-3-Chloropropane	<0.0042		0.0042	0.0030	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,2-Dibromoethane	<0.0017		0.0017	0.00071	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,2-Dichloroethane	<0.0042		0.0042	0.0011	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00081	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
2-Butanone (MEK)	<0.0042		0.0042	0.0019	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Acetone	<0.017		0.017	0.0071	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Benzene	<0.0017		0.0017	0.00053	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Bromodichloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Bromoform	<0.0017		0.0017	0.00099	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Bromomethane	<0.0042		0.0042	0.0021	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Carbon disulfide	<0.0042		0.0042	0.00078	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Carbon tetrachloride	<0.0017		0.0017	0.00058	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Chlorobenzene	<0.0017		0.0017	0.00072	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Chloroform	<0.0017		0.0017	0.0012	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00069	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Dibromochloromethane	<0.0017		0.0017	0.00079	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Ethylbenzene	<0.0017		0.0017	0.00089	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
m&p-Xylene	<0.0034		0.0034	0.00053	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00055	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Methylene Chloride	<0.0042		0.0042	0.0018	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
n-Butyl alcohol	<0.11		0.11	0.065	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
o-Xylene	<0.0017		0.0017	0.00058	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Styrene	<0.0017		0.0017	0.00076	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Tetrachloroethene	<0.0017		0.0017	0.00095	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Toluene	<0.0017		0.0017	0.00034	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00064	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Trichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Vinyl acetate	<0.0042		0.0042	0.0010	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Vinyl chloride	<0.0017		0.0017	0.00069	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Xylenes, Total	<0.0034		0.0034	0.00058	mg/Kg	☆	07/11/24 19:10	07/15/24 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137	S1+	70 - 134				07/11/24 19:10	07/15/24 14:59	1
4-Bromofluorobenzene (Surr)	103		75 - 131				07/11/24 19:10	07/15/24 14:59	1
Dibromofluoromethane	119		75 - 126				07/11/24 19:10	07/15/24 14:59	1
Toluene-d8 (Surr)	97		75 - 124				07/11/24 19:10	07/15/24 14:59	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 16:09	1
Acenaphthylene	<0.040		0.040	0.0068	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Aldicarb	<0.80		0.80	0.40	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Anthracene	<0.040		0.040	0.0081	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Benzo[a]anthracene	<0.040		0.040	0.0085	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Benzo[a]pyrene	<0.040		0.040	0.038	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1

Eurofins Chicago

Client Sample Results

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

Job ID: 500-253380-1

Client Sample ID: SBD

Lab Sample ID: 500-253380-1

Date Collected: 07/11/24 13:10

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.040		0.040	0.038	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Benzo[g,h,i]perylene	<0.040		0.040	0.0086	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Benzoic acid	<2.0		2.0	0.24	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Benzo[k]fluoranthene	<0.040		0.040	0.015	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.16	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Butyl benzyl phthalate	<0.20		0.20	0.020	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Carbazole	<0.20		0.20	0.016	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Carbofuran	<0.80		0.80	0.20	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
4-Chloroaniline	<0.80		0.80	0.42	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Dibenz(a,h)anthracene	<0.040		0.040	0.040	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.033	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,4-Dichlorophenol	<0.40		0.40	0.014	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,4-Dimethylphenol	<0.40		0.40	0.089	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Di-n-butyl phthalate	<0.20		0.20	0.013	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,4-Dinitrophenol	<0.80		0.80	0.23	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,4-Dinitrotoluene	<0.20		0.20	0.023	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,6-Dinitrotoluene	<0.20		0.20	0.014	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Di-n-octyl phthalate	<0.40		0.40	0.28	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Fluoranthene	<0.040		0.040	0.0093	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Fluorene	<0.040		0.040	0.012	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Hexachlorobenzene	<0.080		0.080	0.0076	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Hexachlorocyclopentadiene	<0.80		0.80	0.42	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Hexachloroethane	<0.20		0.20	0.020	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.039	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Isophorone	<0.20		0.20	0.021	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Naphthalene	<0.040		0.040	0.0072	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Nitrobenzene	<0.040		0.040	0.013	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
4-Nitrophenol	<0.80		0.80	0.15	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.0079	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
N-Nitrosodiphenylamine	<0.20		0.20	0.024	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Phenanthrene	<0.040		0.040	0.0087	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Phenol	<0.20		0.20	0.017	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
Pyrene	<0.040		0.040	0.011	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.028	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,4,5-Trichlorophenol	<0.40		0.40	0.015	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1
2,4,6-Trichlorophenol	<0.40		0.40	0.014	mg/Kg	☆	07/15/24 07:43	07/15/24 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		43 - 145	07/15/24 07:43	07/15/24 16:09	1
2-Fluorophenol	59		31 - 166	07/15/24 07:43	07/15/24 16:09	1
Nitrobenzene-d5	69		37 - 147	07/15/24 07:43	07/15/24 16:09	1
Phenol-d5	65		30 - 153	07/15/24 07:43	07/15/24 16:09	1
Terphenyl-d14	67		42 - 157	07/15/24 07:43	07/15/24 16:09	1

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Client Sample Results

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

Job ID: 500-253380-1

Client Sample ID: SBD

Lab Sample ID: 500-253380-1

Date Collected: 07/11/24 13:10

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 78.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		31 - 143	07/15/24 07:43	07/15/24 16:09	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 20:17	1
Aldrin	<0.0021		0.0021	0.0014	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
alpha-BHC	<0.0021		0.0021	0.0012	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Chlordane (technical)	<0.0082		0.0082	0.0039	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
4,4'-DDD	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
4,4'-DDE	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
4,4'-DDT	<0.0021		0.0021	0.00098	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Dieldrin	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Endosulfan I	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Endosulfan II	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Endrin	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
gamma-BHC (Lindane)	<0.0021		0.0021	0.0010	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Heptachlor	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Heptachlor epoxide	<0.0021		0.0021	0.0011	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Methoxychlor	<0.010		0.010	0.0014	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1
Toxaphene	<0.020		0.020	0.0082	mg/Kg	☆	07/12/24 15:16	07/16/24 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		33 - 148	07/12/24 15:16	07/16/24 20:17	1
Tetrachloro-m-xylene	72		30 - 121	07/12/24 15:16	07/16/24 20:17	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 12:20	1
PCB-1221	<0.020		0.020	0.0080	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1
PCB-1232	<0.020		0.020	0.0055	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1
PCB-1242	<0.020		0.020	0.0079	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1
PCB-1248	<0.020		0.020	0.0097	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1
PCB-1254	<0.020		0.020	0.0069	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1
PCB-1260	<0.020		0.020	0.0077	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1
Polychlorinated biphenyls, Total	<0.020		0.020	0.0055	mg/Kg	☆	07/12/24 15:16	07/16/24 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		49 - 129	07/12/24 15:16	07/16/24 12:20	1
DCB Decachlorobiphenyl	78		37 - 121	07/12/24 15:16	07/16/24 12:20	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		21	8.4	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Antimony	<2.1		2.1	0.40	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1
Arsenic	11		1.0	0.35	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Barium	120 ^2		1.0	0.12	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Beryllium	<0.41		0.41	0.097	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Cadmium	<0.21		0.21	0.037	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Calcium	4700		21	3.5	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Chromium	25		1.0	0.51	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1

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Client Sample Results

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

Job ID: 500-253380-1

Client Sample ID: SBD

Lab Sample ID: 500-253380-1

Date Collected: 07/11/24 13:10

Matrix: Solid

Date Received: 07/11/24 15:47

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	15		0.52	0.14	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1
Copper	26		1.0	0.29	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1
Iron	29000		21	11	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Lead	22		0.52	0.24	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Magnesium	5500		10	5.1	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1
Manganese	660		1.0	0.15	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Nickel	41		1.0	0.30	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1
Potassium	2400		52	18	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Selenium	<1.0		1.0	0.61	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	1
Silver	<0.52		0.52	0.13	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Sodium	400		100	15	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Thallium	2.9		1.0	0.52	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Vanadium	37		0.52	0.12	mg/Kg	☆	07/15/24 11:03	07/17/24 00:24	1
Zinc	87		2.1	0.91	mg/Kg	☆	07/15/24 11:03	07/17/24 21:09	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 15:43	1
Barium	0.67		0.50	0.050	mg/L		07/18/24 09:16	07/19/24 15:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/18/24 09:16	07/19/24 15:43	1
Chromium	<0.025		0.025	0.010	mg/L		07/18/24 09:16	07/19/24 15:43	1
Iron	0.99		0.20	0.20	mg/L		07/18/24 09:16	07/19/24 15:43	1
Lead	<0.050		0.050	0.0075	mg/L		07/18/24 09:16	07/19/24 15:43	1
Selenium	<0.050		0.050	0.020	mg/L		07/18/24 09:16	07/19/24 15:43	1
Silver	<0.025		0.025	0.010	mg/L		07/18/24 09:16	07/19/24 15:43	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 08:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.019	0.0078	mg/Kg	☆	07/17/24 16:40	07/19/24 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.29		0.29	0.14	mg/Kg	☆	07/16/24 16:24	07/18/24 15:48	1
pH (SW846 9045D)	7.8		0.2	0.2	SU			07/17/24 18:04	1

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Definitions/Glossary

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

Job ID: 500-253380-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance 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

QC Association Summary

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

Job ID: 500-253380-1

GC/MS VOA

Prep Batch: 776328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	5035	

Analysis Batch: 776644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	8260D	776328
MB 500-776644/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-776644/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-776644/5	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
500-253380-1	SBD	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
500-253380-1	SBD	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
500-253380-1	SBD	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
500-253380-1	SBD	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
500-253380-1	SBD	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

Prep Batch: 776709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	3050B	
MB 500-776709/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-776709/2-A	Lab Control Sample	Total/NA	Solid	3050B	

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QC Association Summary

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

Job ID: 500-253380-1

Metals

Leach Batch: 776914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	TCLP	Solid	1311	
LB 500-776914/1-B	Method Blank	TCLP	Solid	1311	
LB 500-776914/1-C	Method Blank	TCLP	Solid	1311	

Analysis Batch: 777052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	6010D	776709
MB 500-776709/1-A	Method Blank	Total/NA	Solid	6010D	776709
LCS 500-776709/2-A	Lab Control Sample	Total/NA	Solid	6010D	776709

Prep Batch: 777171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	7471B	
MB 500-777171/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-777171/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 777298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	6010D	776709
MB 500-776709/1-A	Method Blank	Total/NA	Solid	6010D	776709
LCS 500-776709/2-A	Lab Control Sample	Total/NA	Solid	6010D	776709

Prep Batch: 777310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	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
500-253380-1	SBD	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	

Analysis Batch: 777568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	Total/NA	Solid	7471B	777171
MB 500-777171/12-A	Method Blank	Total/NA	Solid	7471B	777171
LCS 500-777171/13-A	Lab Control Sample	Total/NA	Solid	7471B	777171

Analysis Batch: 777734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	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: 777794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	TCLP	Solid	7470A	777533

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QC Association Summary

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

Job ID: 500-253380-1

Metals (Continued)

Analysis Batch: 777794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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

General Chemistry

Prep Batch: 776957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	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
500-253380-1	SBD	Total/NA	Solid	Moisture	

Analysis Batch: 777295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	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	
500-253380-1 DU	SBD	Total/NA	Solid	9045D	

Analysis Batch: 777409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253380-1	SBD	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: 500-253380-1

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)
500-253380-1	SBD	137 S1+	103	119	97
LCS 500-776644/4	Lab Control Sample	133	98	120	99
LCSD 500-776644/5	Lab Control Sample Dup	129	99	118	98
MB 500-776644/7	Method Blank	131	101	120	97

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)
500-253380-1	SBD	76	59	69	65	67	74
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)
500-253380-1	SBD	54	72
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)
500-253380-1	SBD	71	78
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: 500-253380-1

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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15

QC Sample Results

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

Job ID: 500-253380-1

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

Lab Sample ID: MB 500-776644/7

Matrix: Solid

Analysis Batch: 776644

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			07/15/24 12:26	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00075	mg/Kg			07/15/24 12:26	1
1,1-Dichloroethane	<0.0020		0.0020	0.00075	mg/Kg			07/15/24 12:26	1
1,1-Dichloroethene	<0.0020		0.0020	0.00082	mg/Kg			07/15/24 12:26	1
1,2-Dibromo-3-Chloropropane	<0.0050		0.0050	0.0035	mg/Kg			07/15/24 12:26	1
1,2-Dibromoethane	<0.0020		0.0020	0.00084	mg/Kg			07/15/24 12:26	1
1,2-Dichloroethane	<0.0050		0.0050	0.0013	mg/Kg			07/15/24 12:26	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			07/15/24 12:26	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00096	mg/Kg			07/15/24 12:26	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			07/15/24 12:26	1
Acetone	<0.020		0.020	0.0084	mg/Kg			07/15/24 12:26	1
Benzene	<0.0020		0.0020	0.00063	mg/Kg			07/15/24 12:26	1
Bromodichloromethane	<0.0020		0.0020	0.00064	mg/Kg			07/15/24 12:26	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg			07/15/24 12:26	1
Bromomethane	<0.0050		0.0050	0.0025	mg/Kg			07/15/24 12:26	1
Carbon disulfide	<0.0050		0.0050	0.00092	mg/Kg			07/15/24 12:26	1
Carbon tetrachloride	<0.0020		0.0020	0.00068	mg/Kg			07/15/24 12:26	1
Chlorobenzene	<0.0020		0.0020	0.00084	mg/Kg			07/15/24 12:26	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg			07/15/24 12:26	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg			07/15/24 12:26	1
Dibromochloromethane	<0.0020		0.0020	0.00093	mg/Kg			07/15/24 12:26	1
Ethylbenzene	<0.0020		0.0020	0.0011	mg/Kg			07/15/24 12:26	1
m&p-Xylene	<0.0040		0.0040	0.00063	mg/Kg			07/15/24 12:26	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00065	mg/Kg			07/15/24 12:26	1
Methylene Chloride	<0.0050		0.0050	0.0021	mg/Kg			07/15/24 12:26	1
n-Butyl alcohol	<0.13		0.13	0.076	mg/Kg			07/15/24 12:26	1
o-Xylene	<0.0020		0.0020	0.00069	mg/Kg			07/15/24 12:26	1
Styrene	<0.0020		0.0020	0.00090	mg/Kg			07/15/24 12:26	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg			07/15/24 12:26	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg			07/15/24 12:26	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00076	mg/Kg			07/15/24 12:26	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg			07/15/24 12:26	1
Vinyl acetate	<0.0050		0.0050	0.0012	mg/Kg			07/15/24 12:26	1
Vinyl chloride	<0.0020		0.0020	0.00082	mg/Kg			07/15/24 12:26	1
Xylenes, Total	<0.0040		0.0040	0.00069	mg/Kg			07/15/24 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		70 - 134		07/15/24 12:26	1
4-Bromofluorobenzene (Surr)	101		75 - 131		07/15/24 12:26	1
Dibromofluoromethane	120		75 - 126		07/15/24 12:26	1
Toluene-d8 (Surr)	97		75 - 124		07/15/24 12:26	1

Lab Sample ID: LCS 500-776644/4

Matrix: Solid

Analysis Batch: 776644

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	0.0598		mg/Kg		120	70 - 128

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QC Sample Results

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

Job ID: 500-253380-1

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

Lab Sample ID: LCS 500-776644/4

Matrix: Solid

Analysis Batch: 776644

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	0.0401		mg/Kg		80	70 - 125
1,1-Dichloroethane	0.0500	0.0506		mg/Kg		101	70 - 125
1,1-Dichloroethene	0.0500	0.0520		mg/Kg		104	70 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0487		mg/Kg		97	60 - 136
1,2-Dibromoethane	0.0500	0.0441		mg/Kg		88	70 - 125
1,2-Dichloroethane	0.0500	0.0601		mg/Kg		120	70 - 130
1,2-Dichloropropane	0.0500	0.0438		mg/Kg		88	70 - 125
2-Butanone (MEK)	0.0500	0.0416		mg/Kg		83	47 - 138
Acetone	0.0500	0.0484		mg/Kg		97	40 - 150
Benzene	0.0500	0.0480		mg/Kg		96	70 - 125
Bromodichloromethane	0.0500	0.0499		mg/Kg		100	67 - 129
Bromoform	0.0500	0.0502		mg/Kg		100	68 - 136
Bromomethane	0.0500	0.0553		mg/Kg		111	70 - 130
Carbon disulfide	0.0500	0.0510		mg/Kg		102	70 - 129
Carbon tetrachloride	0.0500	0.0625		mg/Kg		125	75 - 125
Chlorobenzene	0.0500	0.0414		mg/Kg		83	50 - 150
Chloroform	0.0500	0.0581		mg/Kg		116	57 - 135
cis-1,2-Dichloroethene	0.0500	0.0505		mg/Kg		101	70 - 125
Dibromochloromethane	0.0500	0.0449		mg/Kg		90	69 - 125
Ethylbenzene	0.0500	0.0423		mg/Kg		85	61 - 136
Methyl tert-butyl ether	0.0500	0.0602		mg/Kg		120	50 - 140
Methylene Chloride	0.0500	0.0488		mg/Kg		98	70 - 126
Styrene	0.0500	0.0461		mg/Kg		92	70 - 125
Tetrachloroethene	0.0500	0.0478		mg/Kg		96	70 - 124
Toluene	0.0500	0.0416		mg/Kg		83	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0507		mg/Kg		101	70 - 125
Trichloroethene	0.0500	0.0520		mg/Kg		104	70 - 125
Vinyl acetate	0.0500	0.0410		mg/Kg		82	40 - 153
Vinyl chloride	0.0500	0.0462		mg/Kg		92	70 - 125
Xylenes, Total	0.100	0.0902		mg/Kg		90	53 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	133		70 - 134
4-Bromofluorobenzene (Surr)	98		75 - 131
Dibromofluoromethane	120		75 - 126
Toluene-d8 (Surr)	99		75 - 124

Lab Sample ID: LCSD 500-776644/5

Matrix: Solid

Analysis Batch: 776644

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	0.0614		mg/Kg		123	70 - 128	3	30
1,1,2-Trichloroethane	0.0500	0.0389		mg/Kg		78	70 - 125	3	30
1,1-Dichloroethane	0.0500	0.0509		mg/Kg		102	70 - 125	1	30
1,1-Dichloroethene	0.0500	0.0523		mg/Kg		105	70 - 120	1	30
1,2-Dibromo-3-Chloropropane	0.0500	0.0487		mg/Kg		97	60 - 136	0	30
1,2-Dibromoethane	0.0500	0.0448		mg/Kg		90	70 - 125	2	30

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QC Sample Results

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

Job ID: 500-253380-1

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

Lab Sample ID: LCSD 500-776644/5

Matrix: Solid

Analysis Batch: 776644

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	0.0595		mg/Kg		119	70 - 130	1	30
1,2-Dichloropropane	0.0500	0.0442		mg/Kg		88	70 - 125	1	30
2-Butanone (MEK)	0.0500	0.0422		mg/Kg		84	47 - 138	2	30
Acetone	0.0500	0.0481		mg/Kg		96	40 - 150	1	30
Benzene	0.0500	0.0476		mg/Kg		95	70 - 125	1	30
Bromodichloromethane	0.0500	0.0491		mg/Kg		98	67 - 129	2	30
Bromoform	0.0500	0.0494		mg/Kg		99	68 - 136	2	30
Bromomethane	0.0500	0.0567		mg/Kg		113	70 - 130	2	30
Carbon disulfide	0.0500	0.0518		mg/Kg		104	70 - 129	2	30
Carbon tetrachloride	0.0500	0.0623		mg/Kg		125	75 - 125	0	30
Chlorobenzene	0.0500	0.0413		mg/Kg		83	50 - 150	0	30
Chloroform	0.0500	0.0583		mg/Kg		117	57 - 135	0	30
cis-1,2-Dichloroethene	0.0500	0.0507		mg/Kg		101	70 - 125	0	30
Dibromochloromethane	0.0500	0.0436		mg/Kg		87	69 - 125	3	30
Ethylbenzene	0.0500	0.0420		mg/Kg		84	61 - 136	1	30
Methyl tert-butyl ether	0.0500	0.0620		mg/Kg		124	50 - 140	3	30
Methylene Chloride	0.0500	0.0503		mg/Kg		101	70 - 126	3	30
Styrene	0.0500	0.0456		mg/Kg		91	70 - 125	1	30
Tetrachloroethene	0.0500	0.0469		mg/Kg		94	70 - 124	2	30
Toluene	0.0500	0.0404		mg/Kg		81	70 - 125	3	30
trans-1,2-Dichloroethene	0.0500	0.0516		mg/Kg		103	70 - 125	2	30
Trichloroethene	0.0500	0.0506		mg/Kg		101	70 - 125	3	30
Vinyl acetate	0.0500	0.0477		mg/Kg		95	40 - 153	15	30
Vinyl chloride	0.0500	0.0483		mg/Kg		97	70 - 125	4	30
Xylenes, Total	0.100	0.0898		mg/Kg		90	53 - 147	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	129		70 - 134
4-Bromofluorobenzene (Surr)	99		75 - 131
Dibromofluoromethane	118		75 - 126
Toluene-d8 (Surr)	98		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: 500-253380-1

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: 500-253380-1

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: 500-253380-1

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: 500-253380-1

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

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QC Sample Results

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

Job ID: 500-253380-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-776709/1-A
Matrix: Solid
Analysis Batch: 777052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<20		20	8.2	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Arsenic	<1.0		1.0	0.34	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Barium	<1.0		1.0	0.11	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Beryllium	<0.40		0.40	0.093	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Cadmium	<0.20		0.20	0.036	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Calcium	<20		20	3.4	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Iron	<20		20	10	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Lead	<0.50		0.50	0.23	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Manganese	<1.0		1.0	0.15	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Potassium	<50		50	18	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Silver	<0.50		0.50	0.13	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Sodium	<100		100	15	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Thallium	<1.0		1.0	0.50	mg/Kg		07/15/24 11:03	07/16/24 23:49	1
Vanadium	<0.50		0.50	0.12	mg/Kg		07/15/24 11:03	07/16/24 23:49	1

Lab Sample ID: MB 500-776709/1-A
Matrix: Solid
Analysis Batch: 777298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 776709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<2.0		2.0	0.39	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Chromium	<1.0		1.0	0.50	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Cobalt	<0.50		0.50	0.13	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Copper	<1.0		1.0	0.28	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Magnesium	<10		10	5.0	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Nickel	<1.0		1.0	0.29	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Selenium	<1.0		1.0	0.59	mg/Kg		07/15/24 11:03	07/17/24 20:26	1
Zinc	<2.0		2.0	0.88	mg/Kg		07/15/24 11:03	07/17/24 20:26	1

Lab Sample ID: LCS 500-776709/2-A
Matrix: Solid
Analysis Batch: 777052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	200	189		mg/Kg		94	80 - 120
Arsenic	10.0	9.02		mg/Kg		90	80 - 120
Barium	200	197		mg/Kg		99	80 - 120
Beryllium	5.00	5.29		mg/Kg		106	80 - 120
Cadmium	5.00	4.46		mg/Kg		89	80 - 120
Calcium	1000	1080		mg/Kg		108	80 - 120
Iron	100	109		mg/Kg		109	80 - 120
Lead	10.0	9.55		mg/Kg		95	80 - 120
Manganese	50.0	48.9		mg/Kg		98	80 - 120
Potassium	1000	1010		mg/Kg		101	80 - 120
Silver	5.00	4.22		mg/Kg		84	80 - 120
Sodium	1000	1010		mg/Kg		101	80 - 120
Thallium	10.0	9.99		mg/Kg		100	80 - 120
Vanadium	50.0	51.0		mg/Kg		102	80 - 120

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QC Sample Results

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

Job ID: 500-253380-1

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

Lab Sample ID: LCS 500-776709/2-A
Matrix: Solid
Analysis Batch: 777298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 776709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	48.5		mg/Kg		97	80 - 120
Chromium	20.0	19.5		mg/Kg		97	80 - 120
Cobalt	50.0	47.4		mg/Kg		95	80 - 120
Copper	25.0	24.0		mg/Kg		96	80 - 120
Magnesium	1000	940		mg/Kg		94	80 - 120
Nickel	50.0	47.3		mg/Kg		95	80 - 120
Selenium	10.0	8.55		mg/Kg		86	80 - 120
Zinc	50.0	46.5		mg/Kg		93	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

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QC Sample Results

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

Job ID: 500-253380-1

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

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

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 500-777171/12-A
Matrix: Solid
Analysis Batch: 777568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0069	mg/Kg		07/17/24 16:40	07/19/24 13:11	1

Lab Sample ID: LCS 500-777171/13-A
Matrix: Solid
Analysis Batch: 777568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.168		mg/Kg		101	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

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QC Sample Results

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

Job ID: 500-253380-1

Method: 9045D - pH

Lab Sample ID: 500-253380-1 DU
Matrix: Solid
Analysis Batch: 777295

Client Sample ID: SBD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8		8.0		SU		3	5

Lab Chronicle

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

Job ID: 500-253380-1

Client Sample ID: SBD

Date Collected: 07/11/24 13:10

Date Received: 07/11/24 15:47

Lab Sample ID: 500-253380-1

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 15:43
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 08:17
Total/NA	Analysis	9045D		1	777295	SO	EET CHI	07/17/24 18:04
Total/NA	Analysis	Moisture		1	777169	DG	EET CHI	07/17/24 14:43

Client Sample ID: SBD

Date Collected: 07/11/24 13:10

Date Received: 07/11/24 15:47

Lab Sample ID: 500-253380-1

Matrix: Solid

Percent Solids: 78.6

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	776644	W1T	EET CHI	07/15/24 14:59
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 16:09
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 20:17
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 12:20
Total/NA	Prep	3050B			776709	BDE	EET CHI	07/15/24 11:03 - 07/15/24 17:03 ¹
Total/NA	Analysis	6010D		1	777298	SJ	EET CHI	07/17/24 21:09
Total/NA	Prep	3050B			776709	BDE	EET CHI	07/15/24 11:03 - 07/15/24 17:03 ¹
Total/NA	Analysis	6010D		1	777052	SJ	EET CHI	07/17/24 00:24
Total/NA	Prep	7471B			777171	MJG	EET CHI	07/17/24 16:40
Total/NA	Analysis	7471B		1	777568	MJG	EET CHI	07/19/24 14:04
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 15:48

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: 500-253380-1

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

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other[illegible]

Login Sample Receipt Checklist

Client: NASHnal Soil Testing, LLC

Job Number: 500-253380-1

Login Number: 253380

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	