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: Kennedy Landscape Yard (170) Office Phone Number, if available:

Physical Site Location (address, including number and street):
1260 West Augusta Boulevard

City: Chicago State: IL Zip Code: 60124

County: Cook Township:

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

Latitude: 41.9003 (Decimal Degrees) Longitude: -87.65927 (-Decimal Degrees)

Identify how the lat/long data were determined:

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

IEPA Site Number(s), if assigned: BOL: 0316006091 BOW: BOA:

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

Estimated Volume of debris (cu. Yd.): 117

II. Owner/Operator Information for Source Site

Site Owner

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

Site Operator

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

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

Project Name: Kennedy Landscape Yard (170) Latitude: 41.90030 Longitude: - 87.65927

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

Locations Kendy-170-B16 and Kendy-170-B17 were sampled within the construction zone at Kennedy Landscape Yard. Refer to PSI Report .

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

See attached data summary table and associated laboratory data package 24020041.

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

I, Thomas C. Campbell, P.E. (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.

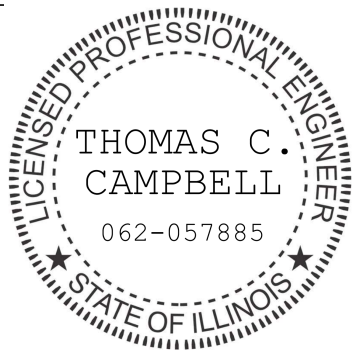
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	WSP USA
Street Address:	115 W Washington St. Suite 1270S
City:	Indianapolis State: IN Zip Code: 46204
Phone:	(317) 972-1706

Thomas C. Campbell, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

03/19/2024
Date:



Expires 11/30/2025

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

Analytical Data Summary
PTB #196-002 - IDOT Job #D-91-441-20; Work Order 26A - IDOT Project # D-91-078-24

Key to Data Tables

MAC = Maximum Allowable Concentration of Chemical Constituent in Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
mg/kg = Milligrams per kilogram.
mg/L = Milligrams per liter.
MSA = Metropolitan Statistical Area
TACO = Tiered Approach to Corrective Action Objectives
TCLP = Toxicity Characteristic Leaching Procedure.
SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
SPLP = Synthetic Precipitation Leaching Procedure.
ND = Not detected.
NA = Not analyzed.
J = Estimated value.
U = Analyte was analyzed for but not detected.

Criteria Qualifiers and Shading

\# = pH is less than 6.25 or greater than 9.0 standard units.
† = Concentration exceeds the most stringent MAC.
m = Concentration exceeds the MAC for an MSA.
* = Concentration exceeds the MAC for Chicago corporate limits.
L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the SCGIER.
= Concentration exceeds the most stringent MAC, but is below the MAC for an MSA.
= Concentration exceeds applicable comparison criteria.

PTB #196-002 - IDOT Job #D-91-441-20; Work Order 26A - IDOT Project # D-91-078-24

CONTAMINANTS OF CONCERN

SITE	Kennedy Landscape Yard (170)		Comparison Criteria					
BORING	Kendy-170-B16	Kendy-170-B17	MACs			TACO		
SAMPLE	Kendy-170-B16 (0-2)	Kendy-170-B17 (0-2)						
MATRIX	Soil	Soil						
DEPTH (feet)	0-2	0-2						
pH	6.84	7.96						
PID (meter units)	--	--	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
VOCs (mg/kg)								
Acetone	**0.030**	**0.029 J**	25	--	--	70,000	100,000	--
SVOCs (mg/kg)								
2-Methylnaphthalene	ND U	**0.0062 J**	--	--	--	--	--	--
Acenaphthylene	ND U	**0.012**	--	--	0.25	--	--	--
Anthracene	ND U	**0.022**	12,000	--	2.6	23,000	610,000	--
Benzo(a)anthracene	ND U	**0.10**	0.9	1.8	11	1.8	170	--
Benzo(a)pyrene	**0.010**	**0.13 †**	0.09	2.1	11	2.1	17	--
Benzo(b)fluoranthene	**0.012**	**0.15**	0.9	2.1	13	2.1	170	--
Benzo(g,h,i)perylene	**0.0067 J**	**0.083**	--	--	4.4	--	--	--
Benzo(k)fluoranthene	**0.0067 J**	**0.051**	9	--	8.1	9	1,700	--
Chrysene	ND U	**0.10**	88	--	11	88	17,000	--
Dibenzo(a,h)anthracene	ND U	**0.024**	0.09	0.42	1	0.42	17	--
Fluoranthene	**0.011**	**0.21**	3,100	--	28	3,100	82,000	--
Fluorene	ND U	**0.0078 J**	560	--	1.1	3,100	82,000	--
Indeno(1,2,3-cd)pyrene	**0.0092**	**0.084**	0.9	1.6	5.8	1.6	170	--
Naphthalene	ND U	**0.0078 J**	1.8	--	0.26	170	1.8	--
Phenanthrene	ND U	**0.099**	--	--	15	--	--	--
Pyrene	**0.0092**	**0.17**	2300	--	18	2,300	61,000	--
Inorganics (mg/kg)								
Antimony	**0.14 J**	**0.15 J**	5	--	--	31	82	--
Arsenic	**8.1**	**7.3**	11.3	13	--	13	61	--
Barium	**100**	**93**	1,500	--	--	5,500	14,000	--
Beryllium	**0.76**	**0.64**	22	--	--	160	410	--
Boron	**5.1**	**4.4**	40	--	--	16,000	41,000	--
Cadmium	**0.23**	**0.22**	5.2	--	--	78	200	--
Calcium	**2,900**	**3,000**	--	--	--	--	--	--
Chloride	**14.1**	**4.46 J**	4,000	--	--	--	--	--
Chromium	**16**	**14**	21	--	--	230	690	--
Cobalt	**9.9**	**10**	20	--	--	4,700	12,000	--
Copper	**20**	**14**	2,900	--	--	2,900	8,200	--
Cyanide	**0.11**	**0.17**	40	--	--	1,600	4,100	--
Iron	**24,000 †m**	**20,000 †m**	15,000	15,900	--	--	--	--
Lead	**39**	**26**	107	--	--	400	700	--
Magnesium	**3,500**	**2,700**	325,000	--	--	--	730,000	--
Manganese	**570**	**620**	630	636	--	1,600	4,100	--
Mercury	**0.036**	**0.030**	0.89	--	--	10	0.1	--
Nickel	**20**	**15**	100	--	--	1,600	4,100	--
Potassium	**1,400**	**1,500**	--	--	--	--	--	--
Selenium	**0.53**	**0.54**	1.3	--	--	390	1,000	--
Silver	**0.055 J**	**0.046 J**	4.4	--	--	390	1,000	--
Sodium	**150**	**390**	--	--	--	--	--	--
Thallium	**0.33 J**	**0.27 J**	2.6	--	--	6.3	160	--
Vanadium	**24**	**23**	550	--	--	550	1,400	--
Zinc	**58**	**46**	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)								
Antimony	ND U	ND U	--	--	--	--	--	0.006
Barium	**0.36**	**0.43**	--	--	--	--	--	2
Beryllium	ND U	ND U	--	--	--	--	--	0.004
Boron	**0.41**	**0.31**	--	--	--	--	--	2
Chromium	**0.010 J**	ND U	--	--	--	--	--	0.1
Iron	**3.0**	ND U	--	--	--	--	--	5
Lead	**0.013 J L**	**0.033 J L**	--	--	--	--	--	0.0075
Manganese	**0.071**	**0.23 L**	--	--	--	--	--	0.15
Nickel	**0.0087 J**	ND U	--	--	--	--	--	0.1
Zinc	**0.076 J**	**0.057 J**	--	--	--	--	--	5
SPLP Metals (mg/L)								
Lead	**0.016 L**	**0.017 L**	--	--	--	--	--	0.0075
Manganese	NA	**0.14**	--	--	--	--	--	0.15

27-Feb-2024

Dean Tiebout
WSP USA Corp.
30 N. LaSalle Street
Suite 4200
Chicago, IL 60602

Re: **Kennedy Landscape Yard (170)** Work Order: **24020041**

Dear Dean, Revision: **1**

ALS Environmental received 11 samples on 01-Feb-2024 09:30 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 60 days unless storage arrangements are made.

The total number of pages in this report revision is 108.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

ALS Group, USA

Date: 27-Feb-24

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Work Order: **24020041**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24020041-10	Kendy-170-B17 (0-2)	Soil		1/31/2024 12:50	2/1/2024 09:30	☐
24020041-11	Kendy-170-B16 (0-2)	Soil		1/31/2024 13:05	2/1/2024 09:30	☐

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Work Order: 24020041

Case Narrative

Samples for the above noted Work Order were received on 02/01/2024. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics:

Batch 234393, Method SW8260D: The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Bromomethane.

Batch R395730a, Method SW8260D, Sample 8V-LCSS1-240205: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: 2-Hexanone.

Batch R395730a, Method SW8260D, Sample 24020041-08A MS/MSD: The MS/MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Acetone, 2-Butanone.

Batch R395730a, Method SW8260D, Sample 24020041-08A MSD: The MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: 2-Hexanone.

Batch R395992a, Method SW8260D, Sample 24020041-11A MS: The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Acetone.

Extractable Organics:

Batch 234389, Method SW8270E, Sample Kendy-170-B01 (0-2) (24020041-01B): The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

Batch 234389, Method SW8270E, Sample Kendy-170-B01 (0-2) (24020041-01B): Surrogate high due to matrix interference.

Metals:
No other deviations or anomalies were noted.

Wet Chemistry:
No other deviations or anomalies were noted.

Revised report issued 2/27/24 due to the addition of SPLP metals.

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
WorkOrder: **24020041**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
°C	Degrees Celcius
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
s.u.	Standard Units

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B17 (0-2)
Collection Date: 1/31/2024 12:50 PM

Work Order: 24020041
Lab ID: 24020041-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471B**			Prep: SW7471 / 2/6/24		Analyst: **KRA**
Mercury	**0.030**		**0.014**	**0.021**	**mg/Kg-dry**	1	2/7/2024 13:35
TCLP MERCURY BY CVAA		Method: **SW7470A**			Leachate: SW1311 / 2/6/24 Prep: SW7470 / 2/6/24		Analyst: **KRA**
Mercury	U		0.0016	0.0020	mg/L	1	2/6/2024 15:04
METALS BY ICP-MS		Method: **SW6020B**			Prep: SW3050B / 2/8/24		Analyst: **STP**
Antimony	**0.15**	J	**0.093**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Arsenic	**7.3**		**0.041**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Barium	**93**		**0.32**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Beryllium	**0.64**		**0.024**	**0.14**	**mg/Kg-dry**	1	2/8/2024 17:08
Boron	**4.4**		**1.3**	**1.4**	**mg/Kg-dry**	1	2/9/2024 12:11
Cadmium	**0.22**		**0.021**	**0.14**	**mg/Kg-dry**	1	2/8/2024 17:08
Calcium	**3,000**		**17**	**35**	**mg/Kg-dry**	1	2/8/2024 17:08
Chromium	**14**		**0.15**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Cobalt	**10**		**0.057**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Copper	**14**		**0.35**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Iron	**20,000**		**110**	**140**	**mg/Kg-dry**	10	2/9/2024 12:00
Lead	**26**		**0.17**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Magnesium	**2,700**		**9.7**	**14**	**mg/Kg-dry**	1	2/8/2024 17:08
Manganese	**620**		**2.9**	**3.5**	**mg/Kg-dry**	10	2/9/2024 12:00
Nickel	**15**		**0.18**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Potassium	**1,500**		**5.8**	**14**	**mg/Kg-dry**	1	2/8/2024 17:08
Selenium	**0.54**		**0.32**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Silver	**0.046**	J	**0.046**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Sodium	**390**		**19**	**21**	**mg/Kg-dry**	1	2/8/2024 17:08
Thallium	**0.27**	J	**0.054**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Vanadium	**23**		**0.088**	**0.35**	**mg/Kg-dry**	1	2/8/2024 17:08
Zinc	**46**		**0.68**	**0.69**	**mg/Kg-dry**	1	2/8/2024 17:08
METALS BY ICP-MS		Method: **SW6020B**			Prep: SW3015A / 2/26/24		Analyst: **STP**
Lead	**0.017**		**0.00022**	**0.0050**	**mg/L**	1	2/26/2024 20:04
Manganese	**0.14**		**0.0017**	**0.0050**	**mg/L**	1	2/26/2024 20:04
TCLP METALS ANALYSIS BY ICP-MS		Method: **SW6020B**			Leachate: SW1311 / 2/6/24 Prep: SW3015A / 2/7/24		Analyst: **STP**
Antimony	U		0.0042	0.050	mg/L	1	2/7/2024 15:06
Barium	**0.43**		**0.0057**	**0.050**	**mg/L**	1	2/7/2024 15:06
Beryllium	U		0.0013	0.020	mg/L	1	2/7/2024 15:06
Boron	**0.31**		**0.15**	**0.20**	**mg/L**	1	2/7/2024 15:06
Cadmium	U		0.0014	0.020	mg/L	1	2/7/2024 15:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B17 (0-2)
Collection Date: 1/31/2024 12:50 PM

Work Order: 24020041
Lab ID: 24020041-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chromium	U		0.0061	0.050	mg/L	1	2/7/2024 15:06
Cobalt	U		0.0027	0.050	mg/L	1	2/7/2024 15:06
Iron	U		0.47	0.80	mg/L	1	2/7/2024 15:06
Lead	**0.033**	J	**0.0022**	**0.050**	**mg/L**	1	2/7/2024 15:06
Manganese	**0.23**		**0.017**	**0.050**	**mg/L**	1	2/7/2024 15:06
Nickel	U		0.0085	0.050	mg/L	1	2/7/2024 15:06
Selenium	U		0.0048	0.050	mg/L	1	2/7/2024 15:06
Silver	U		0.0026	0.050	mg/L	1	2/7/2024 15:06
Thallium	U		0.0015	0.050	mg/L	1	2/7/2024 15:06
Zinc	**0.057**	J	**0.022**	**0.10**	**mg/L**	1	2/7/2024 15:06
SEMI-VOLATILE ORGANIC COMPOUNDS		Method:	**SW8270E**		Prep: SW3546 / 2/2/24		Analyst: **EEW**
1,2,4-Trichlorobenzene	U		0.021	0.038	mg/Kg-dry	1	2/2/2024 23:46
1,2-Dichlorobenzene	U		0.026	0.038	mg/Kg-dry	1	2/2/2024 23:46
1,3-Dichlorobenzene	U		0.026	0.038	mg/Kg-dry	1	2/2/2024 23:46
1,4-Dichlorobenzene	U		0.024	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,2`-Oxybis(1-chloropropane)	U		0.027	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,4,5-Trichlorophenol	U		0.023	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,4,6-Trichlorophenol	U		0.010	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,4-Dichlorophenol	U		0.021	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,4-Dimethylphenol	U		0.020	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,4-Dinitrophenol	U		0.069	0.78	mg/Kg-dry	1	2/2/2024 23:46
2,4-Dinitrotoluene	U		0.025	0.038	mg/Kg-dry	1	2/2/2024 23:46
2,6-Dinitrotoluene	U		0.025	0.038	mg/Kg-dry	1	2/2/2024 23:46
2-Chloronaphthalene	U		0.0054	0.0078	mg/Kg-dry	1	2/2/2024 23:46
2-Chlorophenol	U		0.026	0.038	mg/Kg-dry	1	2/2/2024 23:46
2-Methylnaphthalene	**0.0062**	J	**0.0040**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
2-Methylphenol	U		0.024	0.038	mg/Kg-dry	1	2/2/2024 23:46
2-Nitroaniline	U		0.022	0.038	mg/Kg-dry	1	2/2/2024 23:46
2-Nitrophenol	U		0.025	0.038	mg/Kg-dry	1	2/2/2024 23:46
3&4-Methylphenol	U		0.021	0.038	mg/Kg-dry	1	2/2/2024 23:46
3,3´-Dichlorobenzidine	U		0.018	0.19	mg/Kg-dry	1	2/2/2024 23:46
3-Nitroaniline	U		0.023	0.038	mg/Kg-dry	1	2/2/2024 23:46
4,6-Dinitro-2-methylphenol	U		0.032	0.038	mg/Kg-dry	1	2/2/2024 23:46
4-Bromophenyl phenyl ether	U		0.021	0.038	mg/Kg-dry	1	2/2/2024 23:46
4-Chloro-3-methylphenol	U		0.029	0.038	mg/Kg-dry	1	2/2/2024 23:46
4-Chloroaniline	U		0.020	0.078	mg/Kg-dry	1	2/2/2024 23:46
4-Chlorophenyl phenyl ether	U		0.025	0.038	mg/Kg-dry	1	2/2/2024 23:46
4-Nitroaniline	U		0.060	0.19	mg/Kg-dry	1	2/2/2024 23:46
4-Nitrophenol	U		0.019	0.19	mg/Kg-dry	1	2/2/2024 23:46

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B17 (0-2)
Collection Date: 1/31/2024 12:50 PM

Work Order: 24020041
Lab ID: 24020041-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	U		0.0056	0.0078	mg/Kg-dry	1	2/2/2024 23:46
Acenaphthylene	**0.012**		**0.0050**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Anthracene	**0.022**		**0.0055**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Benzo(a)anthracene	**0.10**		**0.0067**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Benzo(a)pyrene	**0.13**		**0.0048**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Benzo(b)fluoranthene	**0.15**		**0.0058**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Benzo(g,h,i)perylene	**0.083**		**0.0060**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Benzo(k)fluoranthene	**0.051**		**0.0059**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Bis(2-chloroethoxy)methane	U		0.025	0.038	mg/Kg-dry	1	2/2/2024 23:46
Bis(2-chloroethyl)ether	U		0.028	0.038	mg/Kg-dry	1	2/2/2024 23:46
Bis(2-ethylhexyl)phthalate	U		0.032	0.038	mg/Kg-dry	1	2/2/2024 23:46
Butyl benzyl phthalate	U		0.049	0.078	mg/Kg-dry	1	2/2/2024 23:46
Carbazole	U		0.028	0.038	mg/Kg-dry	1	2/2/2024 23:46
Chrysene	**0.10**		**0.0063**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Dibenzo(a,h)anthracene	**0.024**		**0.0042**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Dibenzofuran	U		0.024	0.038	mg/Kg-dry	1	2/2/2024 23:46
Diethyl phthalate	U		0.031	0.038	mg/Kg-dry	1	2/2/2024 23:46
Dimethyl phthalate	U		0.030	0.038	mg/Kg-dry	1	2/2/2024 23:46
Di-n-butyl phthalate	U		0.024	0.038	mg/Kg-dry	1	2/2/2024 23:46
Di-n-octyl phthalate	U		0.034	0.038	mg/Kg-dry	1	2/2/2024 23:46
Fluoranthene	**0.21**		**0.0037**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Fluorene	**0.0078**	J	**0.0056**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Hexachlorobenzene	U		0.024	0.038	mg/Kg-dry	1	2/2/2024 23:46
Hexachlorobutadiene	U		0.030	0.038	mg/Kg-dry	1	2/2/2024 23:46
Hexachlorocyclopentadiene	U		0.037	0.038	mg/Kg-dry	1	2/2/2024 23:46
Hexachloroethane	U		0.016	0.038	mg/Kg-dry	1	2/2/2024 23:46
Indeno(1,2,3-cd)pyrene	**0.084**		**0.0054**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Isophorone	U		0.028	0.19	mg/Kg-dry	1	2/2/2024 23:46
Naphthalene	**0.0078**	J	**0.0050**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Nitrobenzene	U		0.029	0.19	mg/Kg-dry	1	2/2/2024 23:46
N-Nitrosodi-n-propylamine	U		0.038	0.038	mg/Kg-dry	1	2/2/2024 23:46
N-Nitrosodiphenylamine	U		0.022	0.038	mg/Kg-dry	1	2/2/2024 23:46
Pentachlorophenol	U		0.031	0.038	mg/Kg-dry	1	2/2/2024 23:46
Phenanthrene	**0.099**		**0.0036**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Phenol	U		0.020	0.038	mg/Kg-dry	1	2/2/2024 23:46
Pyrene	**0.17**		**0.0074**	**0.0078**	**mg/Kg-dry**	1	2/2/2024 23:46
Surr: 2,4,6-Tribromophenol	*60.8*			*48-94*	*%REC*	1	2/2/2024 23:46
Surr: 2-Fluorobiphenyl	*63.7*			*50-103*	*%REC*	1	2/2/2024 23:46
Surr: 2-Fluorophenol	*62.8*			*43-105*	*%REC*	1	2/2/2024 23:46
Surr: 4-Terphenyl-d14	*60.8*			*55-111*	*%REC*	1	2/2/2024 23:46

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B17 (0-2)
Collection Date: 1/31/2024 12:50 PM

Work Order: 24020041
Lab ID: 24020041-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	*70.4*			*47-100*	*%REC*	1	2/2/2024 23:46
Surr: Phenol-d6	*69.2*			*49-110*	*%REC*	1	2/2/2024 23:46
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **SBR**
1,1,1-Trichloroethane	U		0.00093	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,1,2,2-Tetrachloroethane	U		0.0037	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,1,2-Trichloroethane	U		0.00079	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,1-Dichloroethane	U		0.00073	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,1-Dichloroethene	U		0.0011	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,2-Dichloroethane	U		0.00066	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,2-Dichloropropane	U		0.0011	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
2-Butanone	U		0.0060	0.012	mg/Kg-dry	0.992	2/5/2024 18:17
2-Hexanone	U		0.0021	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
4-Methyl-2-pentanone	U		0.0043	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Acetone	**0.029**	J	**0.0054**	**0.029**	**mg/Kg-dry**	0.992	2/5/2024 18:17
Benzene	U		0.00061	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Bromodichloromethane	U		0.00070	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Bromoform	U		0.0013	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Bromomethane	U		0.0029	0.012	mg/Kg-dry	0.992	2/5/2024 18:17
Carbon disulfide	U		0.00069	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Carbon tetrachloride	U		0.0012	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Chlorobenzene	U		0.00074	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Chloroethane	U		0.0022	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Chloroform	U		0.00096	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Chloromethane	U		0.0012	0.012	mg/Kg-dry	0.992	2/5/2024 18:17
cis-1,2-Dichloroethene	U		0.00063	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
cis-1,3-Dichloropropene	U		0.0017	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Dibromochloromethane	U		0.00060	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Ethylbenzene	U		0.0010	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Methyl tert-butyl ether	U		0.00072	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Methylene chloride	U		0.0073	0.012	mg/Kg-dry	0.992	2/5/2024 18:17
Styrene	U		0.00088	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Tetrachloroethene	U		0.00045	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Toluene	U		0.0020	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
trans-1,2-Dichloroethene	U		0.00059	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
trans-1,3-Dichloropropene	U		0.0013	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Trichloroethene	U		0.00084	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Vinyl acetate	U		0.0040	0.023	mg/Kg-dry	0.992	2/5/2024 18:17
Vinyl chloride	U		0.00082	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
1,3-Dichloropropene, Total	U		0.00070	0.018	mg/Kg-dry	0.992	2/5/2024 18:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B17 (0-2)
Collection Date: 1/31/2024 12:50 PM

Work Order: 24020041
Lab ID: 24020041-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Xylenes, Total	U		0.0026	0.0059	mg/Kg-dry	0.992	2/5/2024 18:17
Surr: 1,2-Dichloroethane-d4	*117*			*83-132*	*%REC*	0.992	2/5/2024 18:17
Surr: 4-Bromofluorobenzene	*108*			*83-111*	*%REC*	0.992	2/5/2024 18:17
Surr: Dibromofluoromethane	*110*			*77-125*	*%REC*	0.992	2/5/2024 18:17
Surr: Toluene-d8	*99.2*			*86-108*	*%REC*	0.992	2/5/2024 18:17
CYANIDE, TOTAL		Method:	**SW9012B**		Prep: SW9012B / 2/6/24		Analyst: **JMT**
Cyanide, Total	**0.17**		**0.069**	**0.071**	**mg/Kg-dry**	1	2/6/2024 11:26
ANIONS BY ION CHROMATOGRAPHY		Method:	**SW9056A**		Prep: EXTRACT / 2/4/24		Analyst: **CLJ**
Chloride	**4.46**	J	**3.7**	**12**	**mg/Kg-dry**	1	2/4/2024 15:10
MOISTURE		Method:	**SW3550C**				Analyst: **SGH**
Moisture	**15**		**0.10**	**0.10**	**% of sample**	1	2/2/2024 15:27
SOIL PH MEASURED IN WATER AT NOTED TEMP.		Method:	**SW9045D**		Prep: SW9045D / 2/1/24		Analyst: **MGS**
pH	**7.96**		**0.10**	**0.10**	**s.u.**	1	2/2/2024 08:48
Temperature	**20.5**		**0.10**	**0.10**	**°C**	1	2/2/2024 08:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B16 (0-2)
Collection Date: 1/31/2024 01:05 PM

Work Order: 24020041
Lab ID: 24020041-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471B**			Prep: SW7471 / 2/6/24		Analyst: **KRA**
Mercury	**0.036**		**0.015**	**0.023**	**mg/Kg-dry**	1	2/7/2024 13:37
TCLP MERCURY BY CVAA		Method: **SW7470A**			Leachate: SW1311 / 2/6/24 Prep: SW7470 / 2/6/24		Analyst: **KRA**
Mercury	U		0.0016	0.0020	mg/L	1	2/6/2024 15:06
METALS BY ICP-MS		Method: **SW6020B**			Prep: SW3050B / 2/8/24		Analyst: **STP**
Antimony	**0.14**	J	**0.098**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Arsenic	**8.1**		**0.044**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Barium	**100**		**0.34**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Beryllium	**0.76**		**0.025**	**0.15**	**mg/Kg-dry**	1	2/8/2024 17:10
Boron	**5.1**		**1.4**	**1.5**	**mg/Kg-dry**	1	2/9/2024 12:13
Cadmium	**0.23**		**0.022**	**0.15**	**mg/Kg-dry**	1	2/8/2024 17:10
Calcium	**2,900**		**18**	**36**	**mg/Kg-dry**	1	2/8/2024 17:10
Chromium	**16**		**0.16**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Cobalt	**9.9**		**0.060**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Copper	**20**		**0.36**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Iron	**24,000**		**120**	**150**	**mg/Kg-dry**	10	2/9/2024 12:01
Lead	**39**		**0.18**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Magnesium	**3,500**		**10**	**15**	**mg/Kg-dry**	1	2/8/2024 17:10
Manganese	**570**		**3.1**	**3.6**	**mg/Kg-dry**	10	2/9/2024 12:01
Nickel	**20**		**0.19**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Potassium	**1,400**		**6.1**	**15**	**mg/Kg-dry**	1	2/8/2024 17:10
Selenium	**0.53**		**0.34**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Silver	**0.055**	J	**0.048**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Sodium	**150**		**20**	**22**	**mg/Kg-dry**	1	2/8/2024 17:10
Thallium	**0.33**	J	**0.057**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Vanadium	**24**		**0.093**	**0.36**	**mg/Kg-dry**	1	2/8/2024 17:10
Zinc	**58**		**0.72**	**0.73**	**mg/Kg-dry**	1	2/8/2024 17:10
METALS BY ICP-MS		Method: **SW6020B**			Prep: SW3015A / 2/26/24		Analyst: **STP**
Lead	**0.016**		**0.00022**	**0.0050**	**mg/L**	1	2/26/2024 20:05
TCLP METALS ANALYSIS BY ICP-MS		Method: **SW6020B**			Leachate: SW1311 / 2/6/24 Prep: SW3015A / 2/7/24		Analyst: **STP**
Antimony	U		0.0042	0.050	mg/L	1	2/7/2024 15:08
Barium	**0.36**		**0.0057**	**0.050**	**mg/L**	1	2/7/2024 15:08
Beryllium	U		0.0013	0.020	mg/L	1	2/7/2024 15:08
Boron	**0.41**		**0.15**	**0.20**	**mg/L**	1	2/7/2024 15:08
Cadmium	U		0.0014	0.020	mg/L	1	2/7/2024 15:08
Chromium	**0.010**	J	**0.0061**	**0.050**	**mg/L**	1	2/7/2024 15:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B16 (0-2)
Collection Date: 1/31/2024 01:05 PM

Work Order: 24020041
Lab ID: 24020041-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Cobalt	U		0.0027	0.050	mg/L	1	2/7/2024 15:08
Iron	**3.0**		**0.47**	**0.80**	**mg/L**	1	2/8/2024 13:13
Lead	**0.013**	J	**0.0022**	**0.050**	**mg/L**	1	2/7/2024 15:08
Manganese	**0.071**		**0.017**	**0.050**	**mg/L**	1	2/7/2024 15:08
Nickel	**0.0087**	J	**0.0085**	**0.050**	**mg/L**	1	2/7/2024 15:08
Selenium	U		0.0048	0.050	mg/L	1	2/7/2024 15:08
Silver	U		0.0026	0.050	mg/L	1	2/7/2024 15:08
Thallium	U		0.0015	0.050	mg/L	1	2/7/2024 15:08
Zinc	**0.076**	J	**0.022**	**0.10**	**mg/L**	1	2/7/2024 15:08
SEMI-VOLATILE ORGANIC COMPOUNDS		Method:	**SW8270E**		Prep: SW3546 / 2/2/24		Analyst: **EEW**
1,2,4-Trichlorobenzene	U		0.022	0.042	mg/Kg-dry	1	2/3/2024 00:13
1,2-Dichlorobenzene	U		0.028	0.042	mg/Kg-dry	1	2/3/2024 00:13
1,3-Dichlorobenzene	U		0.028	0.042	mg/Kg-dry	1	2/3/2024 00:13
1,4-Dichlorobenzene	U		0.026	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,2`-Oxybis(1-chloropropane)	U		0.029	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,4,5-Trichlorophenol	U		0.025	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,4,6-Trichlorophenol	U		0.011	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,4-Dichlorophenol	U		0.023	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,4-Dimethylphenol	U		0.022	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,4-Dinitrophenol	U		0.075	0.84	mg/Kg-dry	1	2/3/2024 00:13
2,4-Dinitrotoluene	U		0.027	0.042	mg/Kg-dry	1	2/3/2024 00:13
2,6-Dinitrotoluene	U		0.027	0.042	mg/Kg-dry	1	2/3/2024 00:13
2-Chloronaphthalene	U		0.0059	0.0084	mg/Kg-dry	1	2/3/2024 00:13
2-Chlorophenol	U		0.028	0.042	mg/Kg-dry	1	2/3/2024 00:13
2-Methylnaphthalene	U		0.0043	0.0084	mg/Kg-dry	1	2/3/2024 00:13
2-Methylphenol	U		0.026	0.042	mg/Kg-dry	1	2/3/2024 00:13
2-Nitroaniline	U		0.023	0.042	mg/Kg-dry	1	2/3/2024 00:13
2-Nitrophenol	U		0.027	0.042	mg/Kg-dry	1	2/3/2024 00:13
3&4-Methylphenol	U		0.023	0.042	mg/Kg-dry	1	2/3/2024 00:13
3,3´-Dichlorobenzidine	U		0.020	0.21	mg/Kg-dry	1	2/3/2024 00:13
3-Nitroaniline	U		0.024	0.042	mg/Kg-dry	1	2/3/2024 00:13
4,6-Dinitro-2-methylphenol	U		0.035	0.042	mg/Kg-dry	1	2/3/2024 00:13
4-Bromophenyl phenyl ether	U		0.023	0.042	mg/Kg-dry	1	2/3/2024 00:13
4-Chloro-3-methylphenol	U		0.031	0.042	mg/Kg-dry	1	2/3/2024 00:13
4-Chloroaniline	U		0.021	0.084	mg/Kg-dry	1	2/3/2024 00:13
4-Chlorophenyl phenyl ether	U		0.027	0.042	mg/Kg-dry	1	2/3/2024 00:13
4-Nitroaniline	U		0.065	0.21	mg/Kg-dry	1	2/3/2024 00:13
4-Nitrophenol	U		0.020	0.21	mg/Kg-dry	1	2/3/2024 00:13
Acenaphthene	U		0.0061	0.0084	mg/Kg-dry	1	2/3/2024 00:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B16 (0-2)
Collection Date: 1/31/2024 01:05 PM

Work Order: 24020041
Lab ID: 24020041-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		0.0054	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Anthracene	U		0.0059	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Benzo(a)anthracene	U		0.0073	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Benzo(a)pyrene	**0.010**		**0.0052**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Benzo(b)fluoranthene	**0.012**		**0.0063**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Benzo(g,h,i)perylene	**0.0067**	J	**0.0064**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Benzo(k)fluoranthene	**0.0067**	J	**0.0064**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Bis(2-chloroethoxy)methane	U		0.027	0.042	mg/Kg-dry	1	2/3/2024 00:13
Bis(2-chloroethyl)ether	U		0.030	0.042	mg/Kg-dry	1	2/3/2024 00:13
Bis(2-ethylhexyl)phthalate	U		0.035	0.042	mg/Kg-dry	1	2/3/2024 00:13
Butyl benzyl phthalate	U		0.053	0.084	mg/Kg-dry	1	2/3/2024 00:13
Carbazole	U		0.030	0.042	mg/Kg-dry	1	2/3/2024 00:13
Chrysene	U		0.0068	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Dibenzo(a,h)anthracene	U		0.0045	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Dibenzofuran	U		0.026	0.042	mg/Kg-dry	1	2/3/2024 00:13
Diethyl phthalate	U		0.033	0.042	mg/Kg-dry	1	2/3/2024 00:13
Dimethyl phthalate	U		0.032	0.042	mg/Kg-dry	1	2/3/2024 00:13
Di-n-butyl phthalate	U		0.026	0.042	mg/Kg-dry	1	2/3/2024 00:13
Di-n-octyl phthalate	U		0.036	0.042	mg/Kg-dry	1	2/3/2024 00:13
Fluoranthene	**0.011**		**0.0040**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Fluorene	U		0.0061	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Hexachlorobenzene	U		0.026	0.042	mg/Kg-dry	1	2/3/2024 00:13
Hexachlorobutadiene	U		0.033	0.042	mg/Kg-dry	1	2/3/2024 00:13
Hexachlorocyclopentadiene	U		0.040	0.042	mg/Kg-dry	1	2/3/2024 00:13
Hexachloroethane	U		0.017	0.042	mg/Kg-dry	1	2/3/2024 00:13
Indeno(1,2,3-cd)pyrene	**0.0092**		**0.0058**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Isophorone	U		0.030	0.21	mg/Kg-dry	1	2/3/2024 00:13
Naphthalene	U		0.0054	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Nitrobenzene	U		0.032	0.21	mg/Kg-dry	1	2/3/2024 00:13
N-Nitrosodi-n-propylamine	U		0.041	0.042	mg/Kg-dry	1	2/3/2024 00:13
N-Nitrosodiphenylamine	U		0.024	0.042	mg/Kg-dry	1	2/3/2024 00:13
Pentachlorophenol	U		0.033	0.042	mg/Kg-dry	1	2/3/2024 00:13
Phenanthrene	U		0.0039	0.0084	mg/Kg-dry	1	2/3/2024 00:13
Phenol	U		0.021	0.042	mg/Kg-dry	1	2/3/2024 00:13
Pyrene	**0.0092**		**0.0080**	**0.0084**	**mg/Kg-dry**	1	2/3/2024 00:13
Surr: 2,4,6-Tribromophenol	*69.0*			*48-94*	*%REC*	1	2/3/2024 00:13
Surr: 2-Fluorobiphenyl	*68.3*			*50-103*	*%REC*	1	2/3/2024 00:13
Surr: 2-Fluorophenol	*72.5*			*43-105*	*%REC*	1	2/3/2024 00:13
Surr: 4-Terphenyl-d14	*63.9*			*55-111*	*%REC*	1	2/3/2024 00:13
Surr: Nitrobenzene-d5	*74.0*			*47-100*	*%REC*	1	2/3/2024 00:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B16 (0-2)
Collection Date: 1/31/2024 01:05 PM

Work Order: 24020041
Lab ID: 24020041-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	*77.1*			*49-110*	*%REC*	1	2/3/2024 00:13
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **SBR**
1,1,1-Trichloroethane	U		0.00090	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,1,2,2-Tetrachloroethane	U		0.0036	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,1,2-Trichloroethane	U		0.00076	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,1-Dichloroethane	U		0.00070	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,1-Dichloroethene	U		0.0011	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,2-Dichloroethane	U		0.00064	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,2-Dichloropropane	U		0.0010	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
2-Butanone	U		0.0058	0.011	mg/Kg-dry	0.888	2/9/2024 02:41
2-Hexanone	U		0.0020	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
4-Methyl-2-pentanone	U		0.0042	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Acetone	**0.030**		**0.0052**	**0.028**	**mg/Kg-dry**	0.888	2/9/2024 02:41
Benzene	U		0.00059	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Bromodichloromethane	U		0.00068	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Bromoform	U		0.0013	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Bromomethane	U		0.0028	0.011	mg/Kg-dry	0.888	2/9/2024 02:41
Carbon disulfide	U		0.00067	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Carbon tetrachloride	U		0.0011	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Chlorobenzene	U		0.00072	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Chloroethane	U		0.0022	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Chloroform	U		0.00093	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Chloromethane	U		0.0011	0.011	mg/Kg-dry	0.888	2/9/2024 02:41
cis-1,2-Dichloroethene	U		0.00061	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
cis-1,3-Dichloropropene	U		0.0016	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Dibromochloromethane	U		0.00058	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Ethylbenzene	U		0.00099	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Methyl tert-butyl ether	U		0.00069	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Methylene chloride	U		0.0070	0.011	mg/Kg-dry	0.888	2/9/2024 02:41
Styrene	U		0.00085	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Tetrachloroethene	U		0.00044	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Toluene	U		0.0020	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
trans-1,2-Dichloroethene	U		0.00057	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
trans-1,3-Dichloropropene	U		0.0013	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Trichloroethene	U		0.00082	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
Vinyl acetate	U		0.0039	0.023	mg/Kg-dry	0.888	2/9/2024 02:41
Vinyl chloride	U		0.00079	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41
1,3-Dichloropropene, Total	U		0.00068	0.017	mg/Kg-dry	0.888	2/9/2024 02:41
Xylenes, Total	U		0.0025	0.0057	mg/Kg-dry	0.888	2/9/2024 02:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: WSP USA Corp.
Project: Kennedy Landscape Yard (170)
Sample ID: Kendy-170-B16 (0-2)
Collection Date: 1/31/2024 01:05 PM

Work Order: 24020041
Lab ID: 24020041-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*122*			*83-132*	*%REC*	0.888	2/9/2024 02:41
Surr: 4-Bromofluorobenzene	*103*			*83-111*	*%REC*	0.888	2/9/2024 02:41
Surr: Dibromofluoromethane	*116*			*77-125*	*%REC*	0.888	2/9/2024 02:41
Surr: Toluene-d8	*95.7*			*86-108*	*%REC*	0.888	2/9/2024 02:41
CYANIDE, TOTAL		Method:	**SW9012B**		Prep: SW9012B / 2/6/24		Analyst: **JMT**
Cyanide, Total	**0.11**		**0.074**	**0.077**	**mg/Kg-dry**	1	2/6/2024 11:27
ANIONS BY ION CHROMATOGRAPHY		Method:	**SW9056A**		Prep: EXTRACT / 2/4/24		Analyst: **CLJ**
Chloride	**14.1**		**4.0**	**13**	**mg/Kg-dry**	1	2/4/2024 15:39
MOISTURE		Method:	**SW3550C**				Analyst: **SGH**
Moisture	**22**		**0.10**	**0.10**	**% of sample**	1	2/2/2024 15:27
SOIL PH MEASURED IN WATER AT NOTED TEMP.		Method:	**SW9045D**		Prep: SW9045D / 2/1/24		Analyst: **MGS**
pH	**6.84**		**0.10**	**0.10**	**s.u.**	1	2/2/2024 08:48
Temperature	**20.6**		**0.10**	**0.10**	**°C**	1	2/2/2024 08:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

ALS Group, USA

Date: 27-Feb-24

Client: WSP USA Corp.

Work Order: 24020041

Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234521** Instrument ID **HG5** Method: **SW7471B**

MBLK	Sample ID: **MBLK-234521-234521**				Units: **mg/Kg**			Analysis Date: **2/6/2024 12:10 PM**			
Client ID:		Run ID: **HG5_240206A**			SeqNo: **10454377**			Prep Date: **2/5/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	U	0.020									

LCS	Sample ID: **LCS-234521-234521**				Units: **mg/Kg**			Analysis Date: **2/6/2024 12:12 PM**			
Client ID:		Run ID: **HG5_240206A**			SeqNo: **10454378**			Prep Date: **2/5/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1867	0.020	0.1665	0	112	80-120	0				

MS	Sample ID: **24020049-21AMS**				Units: **mg/Kg**			Analysis Date: **2/6/2024 12:28 PM**			
Client ID:		Run ID: **HG5_240206A**			SeqNo: **10454384**			Prep Date: **2/5/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1847	0.019	0.1611	0.006793	110	75-125	0				

MSD	Sample ID: **24020049-21AMSD**				Units: **mg/Kg**			Analysis Date: **2/6/2024 12:30 PM**			
Client ID:		Run ID: **HG5_240206A**			SeqNo: **10454385**			Prep Date: **2/5/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.2043	0.019	0.1588	0.006793	124	75-125	0.1847	10.1	35		

The following samples were analyzed in this batch:

24020041-01B 24020041-02B 24020041-03B
24020041-04B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234571** Instrument ID **HG5** Method: **SW7470A**

MBLK Sample ID: **MBLK-234571-234571** Units: **mg/L** Analysis Date: **2/6/2024 02:38 PM**
Client ID: Run ID: **HG5_240206B** SeqNo: **10455867** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: **LCS-234571-234571** Units: **mg/L** Analysis Date: **2/6/2024 02:39 PM**
Client ID: Run ID: **HG5_240206B** SeqNo: **10455868** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.002235	0.00020	0.002	0	112	80-120	0			

MS Sample ID: **24020055-01AMS** Units: **mg/L** Analysis Date: **2/6/2024 03:09 PM**
Client ID: Run ID: **HG5_240206B** SeqNo: **10455885** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.02145	0.0020	0.02	-0.000225	108	75-125	0			

MSD Sample ID: **24020055-01AMSD** Units: **mg/L** Analysis Date: **2/6/2024 03:11 PM**
Client ID: Run ID: **HG5_240206B** SeqNo: **10455886** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0213	0.0020	0.02	-0.000225	108	75-125	0.02145	0.702	20	

The following samples were analyzed in this batch:

24020041-01B	24020041-02B	24020041-03B
24020041-04B	24020041-05B	24020041-06B
24020041-07B	24020041-08B	24020041-09B
24020041-10B	24020041-11B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234584** Instrument ID **HG5** Method: **SW7471B**

MBLK Sample ID: **MBLK-234584-234584** Units: **mg/Kg** Analysis Date: **2/7/2024 01:05 PM**
Client ID: Run ID: **HG5_240207A** SeqNo: **10458355** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-234584-234584** Units: **mg/Kg** Analysis Date: **2/7/2024 01:07 PM**
Client ID: Run ID: **HG5_240207A** SeqNo: **10458356** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.165	0.020	0.1665	0	99.1	80-120	0			

MS Sample ID: **24020210-01AMS** Units: **mg/Kg** Analysis Date: **2/7/2024 02:06 PM**
Client ID: Run ID: **HG5_240207A** SeqNo: **10458377** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1559	0.018	0.1469	0.01144	98.3	75-125	0			

MSD Sample ID: **24020210-01AMSD** Units: **mg/Kg** Analysis Date: **2/7/2024 02:08 PM**
Client ID: Run ID: **HG5_240207A** SeqNo: **10458378** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1534	0.017	0.1446	0.01144	98.2	75-125	0.1559	1.6	35	

The following samples were analyzed in this batch:

24020041-05B	24020041-06B	24020041-07B
24020041-08B	24020041-09B	24020041-10B
24020041-11B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234573** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-234573-234573** Units: **mg/L** Analysis Date: **2/6/2024 02:12 PM**
Client ID: Run ID: **ICPMS3_240206A** SeqNo: **10454694** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0050								
Barium	U	0.0050								
Beryllium	U	0.0020								
Boron	U	0.020								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Cobalt	U	0.0050								
Iron	U	0.080								
Lead	U	0.0050								
Manganese	U	0.0050								
Nickel	U	0.0050								
Selenium	U	0.0050								
Silver	U	0.0050								
Thallium	U	0.0050								
Zinc	0.005402	0.010								J

LCS Sample ID: **LCS-234573-234573** Units: **mg/L** Analysis Date: **2/6/2024 02:14 PM**
Client ID: Run ID: **ICPMS3_240206A** SeqNo: **10454695** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1047	0.0050	0.1	0	105	80-120	0			
Barium	0.0985	0.0050	0.1	0	98.5	80-120	0			
Beryllium	0.09582	0.0020	0.1	0	95.8	80-120	0			
Boron	0.491	0.020	0.5	0	98.2	80-120	0			
Cadmium	0.1033	0.0020	0.1	0	103	80-120	0			
Chromium	0.09829	0.0050	0.1	0	98.3	80-120	0			
Cobalt	0.1	0.0050	0.1	0	100	80-120	0			
Iron	9.841	0.080	10	0	98.4	80-120	0			
Lead	0.1004	0.0050	0.1	0	100	80-120	0			
Manganese	0.0974	0.0050	0.1	0	97.4	80-120	0			
Nickel	0.09932	0.0050	0.1	0	99.3	80-120	0			
Selenium	0.09602	0.0050	0.1	0	96	80-120	0			
Silver	0.1058	0.0050	0.1	0	106	80-120	0			
Thallium	0.095	0.0050	0.1	0	95	80-120	0			
Zinc	0.1057	0.010	0.1	0	106	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234573** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **24020041-06BMS** Units: **mg/L** Analysis Date: **2/6/2024 02:28 PM**
Client ID: **Kendy-170-B09 (0-2)** Run ID: **ICPMS3_240206A** SeqNo: **10454704** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.051	0.050	1	0.002178	105	80-120	0			
Barium	1.558	0.050	1	0.5698	98.9	80-120	0			
Beryllium	0.9914	0.020	1	0.000165	99.1	80-120	0			
Cadmium	1.023	0.020	1	0.004147	102	80-120	0			
Chromium	0.985	0.050	1	0.001958	98.3	80-120	0			
Cobalt	0.986	0.050	1	0.001364	98.5	80-120	0			
Iron	97.59	0.80	100	-0.03139	97.6	80-120	0			
Lead	1.046	0.050	1	0.05163	99.4	80-120	0			
Manganese	1.394	0.050	1	0.4385	95.6	80-120	0			
Nickel	0.9933	0.050	1	0.007381	98.6	80-120	0			
Selenium	0.9893	0.050	1	0.000495	98.9	80-120	0			
Silver	1.024	0.050	1	0.000275	102	80-120	0			
Thallium	0.9555	0.050	1	0.000209	95.5	80-120	0			
Zinc	1.178	0.10	1	0.2902	88.8	80-120	0			

MS Sample ID: **24020041-06BMS** Units: **mg/L** Analysis Date: **2/6/2024 03:34 PM**
Client ID: **Kendy-170-B09 (0-2)** Run ID: **ICPMS3_240206A** SeqNo: **10455065** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	5.282	0.20	5	0.2056	102	80-120	0			

MSD Sample ID: **24020041-06BMSD** Units: **mg/L** Analysis Date: **2/6/2024 02:30 PM**
Client ID: **Kendy-170-B09 (0-2)** Run ID: **ICPMS3_240206A** SeqNo: **10454705** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.054	0.050	1	0.002178	105	80-120	1.051	0.288	20	
Barium	1.533	0.050	1	0.5698	96.3	80-120	1.558	1.66	20	
Beryllium	0.984	0.020	1	0.000165	98.4	80-120	0.9914	0.757	20	
Cadmium	1.028	0.020	1	0.004147	102	80-120	1.023	0.496	20	
Chromium	0.991	0.050	1	0.001958	98.9	80-120	0.985	0.605	20	
Cobalt	0.9893	0.050	1	0.001364	98.8	80-120	0.986	0.33	20	
Iron	98.39	0.80	100	-0.03139	98.4	80-120	97.59	0.819	20	
Lead	1.045	0.050	1	0.05163	99.3	80-120	1.046	0.129	20	
Manganese	1.375	0.050	1	0.4385	93.7	80-120	1.394	1.37	20	
Nickel	0.9837	0.050	1	0.007381	97.6	80-120	0.9933	0.98	20	
Selenium	0.9846	0.050	1	0.000495	98.4	80-120	0.9893	0.473	20	
Silver	1.02	0.050	1	0.000275	102	80-120	1.024	0.424	20	
Thallium	0.9694	0.050	1	0.000209	96.9	80-120	0.9555	1.45	20	
Zinc	1.18	0.10	1	0.2902	89	80-120	1.178	0.165	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234573** Instrument ID **ICPMS3** Method: **SW6020B**

MSD Sample ID: **24020041-06BMSD** Units: **mg/L** Analysis Date: **2/6/2024 03:36 PM**

Client ID: **Kendy-170-B09 (0-2)** Run ID: **ICPMS3_240206A** SeqNo: **10455066** Prep Date: **2/6/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	5.317	0.20	5	0.2056	102	80-120	5.282	0.651	20	

The following samples were analyzed in this batch:

24020041-01B	24020041-02B	24020041-03B
24020041-04B	24020041-05B	24020041-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234617** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK	Sample ID: **MBLK-234617-234617**				Units: **mg/Kg**			Analysis Date: **2/7/2024 06:14 PM**		
Client ID:		Run ID: **ICPMS3_240207B**			SeqNo: **10460053**		Prep Date: **2/7/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	U	0.25								
Boron	U	1.0								
Cadmium	U	0.10								
Calcium	U	25								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Iron	U	10								
Lead	U	0.25								
Magnesium	U	10								
Manganese	U	0.25								
Nickel	U	0.25								
Potassium	U	10								
Silver	U	0.25								
Sodium	U	15								
Thallium	U	0.25								
Vanadium	U	0.25								
Zinc	U	0.50								

MBLK	Sample ID: **MBLK-234617-234617**				Units: **mg/Kg**			Analysis Date: **2/8/2024 02:14 PM**		
Client ID:		Run ID: **ICPMS3_240208B**			SeqNo: **10462956**		Prep Date: **2/7/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Beryllium	U	0.10								
Selenium	U	0.25								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **234617** Instrument ID **ICPMS3** Method: **SW6020B**

LCS Sample ID: **LCS-234617-234617** Units: **mg/Kg** Analysis Date: **2/7/2024 06:15 PM**
Client ID: Run ID: **ICPMS3_240207B** SeqNo: **10460054** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	5.452	0.25	5	0	109	80-120	0			
Arsenic	5.139	0.25	5	0	103	80-120	0			
Barium	5.226	0.25	5	0	105	80-120	0			
Boron	23.64	1.0	25	0	94.6	80-120	0			
Cadmium	5.145	0.10	5	0	103	80-120	0			
Calcium	530.9	25	500	0	106	80-120	0			
Chromium	5.196	0.25	5	0	104	80-120	0			
Cobalt	5.15	0.25	5	0	103	80-120	0			
Copper	5.051	0.25	5	0	101	80-120	0			
Iron	530.4	10	500	0	106	80-120	0			
Lead	5.276	0.25	5	0	106	80-120	0			
Magnesium	560.9	10	500	0	112	80-120	0			
Manganese	5.272	0.25	5	0	105	80-120	0			
Nickel	5.084	0.25	5	0	102	80-120	0			
Potassium	563.6	10	500	0	113	80-120	0			
Selenium	5.484	0.25	5	0	110	80-120	0			
Silver	5.266	0.25	5	0	105	80-120	0			
Sodium	551.5	15	500	0	110	80-120	0			
Thallium	5.082	0.25	5	0	102	80-120	0			
Vanadium	5.412	0.25	5	0	108	80-120	0			
Zinc	5.215	0.50	5	0	104	80-120	0			

LCS Sample ID: **LCS-234617-234617** Units: **mg/Kg** Analysis Date: **2/8/2024 02:16 PM**
Client ID: Run ID: **ICPMS3_240208B** SeqNo: **10462957** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Beryllium	5.045	0.10	5	0	101	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234617** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **24020049-23AMS** Units: **mg/Kg** Analysis Date: **2/7/2024 06:32 PM**
Client ID: Run ID: **ICPMS3_240207B** SeqNo: **10460063** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	5.05	0.29	5.767	0.2029	84.1	75-125	0			
Boron	31.84	1.2	28.84	3.89	96.9	75-125	0			
Cadmium	4.782	0.12	5.767	-0.006406	83	75-125	0			
Calcium	99860	29	576.7	135600	-6190	75-125	0			SEO
Chromium	12.51	0.29	5.767	5.331	125	75-125	0			
Cobalt	7.55	0.29	5.767	1.997	96.3	75-125	0			
Iron	8050	12	576.7	7211	146	75-125	0			SO
Lead	9.791	0.29	5.767	3.795	104	75-125	0			
Magnesium	38550	12	576.7	65940	-4750	75-125	0			SEO
Manganese	188.4	0.29	5.767	187.6	13.9	75-125	0			SEO
Selenium	5.122	0.29	5.767	0.01831	88.5	75-125	0			
Silver	4.718	0.29	5.767	0.00737	81.7	75-125	0			
Sodium	760.9	17	576.7	124.6	110	75-125	0			
Thallium	5.892	0.29	5.767	0.06995	101	75-125	0			

MS Sample ID: **24020049-23AMS** Units: **mg/Kg** Analysis Date: **2/8/2024 02:30 PM**
Client ID: Run ID: **ICPMS3_240208B** SeqNo: **10462965** Prep Date: **2/7/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.716	2.9	5.767	3.832	102	75-125	0			
Barium	16.62	2.9	5.767	11.28	92.7	75-125	0			
Beryllium	5.832	1.2	5.767	0.131	98.9	75-125	0			
Copper	14.69	2.9	5.767	9.19	95.4	75-125	0			
Nickel	13.85	2.9	5.767	6.996	119	75-125	0			
Potassium	1168	120	576.7	338.6	144	75-125	0			S
Vanadium	23.75	2.9	5.767	9.861	241	75-125	0			S
Zinc	21.97	5.8	5.767	12.76	160	75-125	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234617** Instrument ID **ICPMS3** Method: **SW6020B**

MSD	Sample ID: **24020049-23AMSD**				Units: **mg/Kg**			Analysis Date: **2/7/2024 06:34 PM**		
Client ID:	Run ID: **ICPMS3_240207B**				SeqNo: **10460064**		Prep Date: **2/7/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.897	0.28	5.593	0.2029	83.9	75-125	5.05	3.07	20	
Boron	30.09	1.1	27.96	3.89	93.7	75-125	31.84	5.66	20	
Cadmium	4.615	0.11	5.593	-0.006406	82.6	75-125	4.782	3.55	20	
Calcium	89230	28	559.3	135600	-8290	75-125	99860	11.2	20	SEO
Chromium	11.19	0.28	5.593	5.331	105	75-125	12.51	11.2	20	
Cobalt	6.451	0.28	5.593	1.997	79.6	75-125	7.55	15.7	20	
Iron	5193	11	559.3	7211	-361	75-125	8050	43.1	20	SRO
Lead	8.986	0.28	5.593	3.795	92.8	75-125	9.791	8.57	20	
Magnesium	31660	11	559.3	65940	-6130	75-125	38550	19.6	20	SEO
Manganese	133.1	0.28	5.593	187.6	-973	75-125	188.4	34.4	20	SREO
Selenium	4.923	0.28	5.593	0.01831	87.7	75-125	5.122	3.96	20	
Silver	4.5	0.28	5.593	0.00737	80.3	75-125	4.718	4.71	20	
Sodium	706.7	17	559.3	124.6	104	75-125	760.9	7.39	20	
Thallium	5.834	0.28	5.593	0.06995	103	75-125	5.892	0.996	20	

MSD	Sample ID: **24020049-23AMSD**				Units: **mg/Kg**			Analysis Date: **2/8/2024 02:31 PM**		
Client ID:	Run ID: **ICPMS3_240208B**				SeqNo: **10462966**		Prep Date: **2/7/2024**		DF: **10**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.469	2.8	5.593	3.832	82.9	75-125	9.716	13.7	20	
Barium	14.24	2.8	5.593	11.28	52.9	75-125	16.62	15.5	20	S
Beryllium	5.74	1.1	5.593	0.131	100	75-125	5.832	1.6	20	
Copper	12.6	2.8	5.593	9.19	61	75-125	14.69	15.3	20	S
Nickel	12.16	2.8	5.593	6.996	92.3	75-125	13.85	13	20	
Potassium	1082	110	559.3	338.6	133	75-125	1168	7.64	20	S
Vanadium	14.89	2.8	5.593	9.861	90	75-125	23.75	45.8	20	R
Zinc	16.89	5.6	5.593	12.76	73.8	75-125	21.97	26.2	20	SR

The following samples were analyzed in this batch:

24020041-01B	24020041-02B	24020041-03B
24020041-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **234633** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-234633-234633** Units: **mg/L** Analysis Date: **2/7/2024 02:58 PM**
Client ID: Run ID: **ICPMS3_240207A** SeqNo: **10458648** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0050								
Barium	U	0.0050								
Beryllium	U	0.0020								
Boron	U	0.020								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Cobalt	U	0.0050								
Iron	U	0.080								
Lead	U	0.0050								
Manganese	U	0.0050								
Nickel	U	0.0050								
Selenium	U	0.0050								
Silver	U	0.0050								
Thallium	0.0001639	0.0050								J
Zinc	0.007062	0.010								J

LCS Sample ID: **LCS-234633-234633** Units: **mg/L** Analysis Date: **2/7/2024 02:59 PM**
Client ID: Run ID: **ICPMS3_240207A** SeqNo: **10458649** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1186	0.0050	0.1	0	119	80-120	0			
Barium	0.1096	0.0050	0.1	0	110	80-120	0			
Beryllium	0.107	0.0020	0.1	0	107	80-120	0			
Boron	0.5415	0.020	0.5	0	108	80-120	0			
Cadmium	0.1122	0.0020	0.1	0	112	80-120	0			
Chromium	0.1167	0.0050	0.1	0	117	80-120	0			
Cobalt	0.1171	0.0050	0.1	0	117	80-120	0			
Iron	11.67	0.080	10	0	117	80-120	0			
Lead	0.1119	0.0050	0.1	0	112	80-120	0			
Manganese	0.1127	0.0050	0.1	0	113	80-120	0			
Nickel	0.1167	0.0050	0.1	0	117	80-120	0			
Selenium	0.1185	0.0050	0.1	0	118	80-120	0			
Silver	0.118	0.0050	0.1	0	118	80-120	0			
Thallium	0.1052	0.0050	0.1	0	105	80-120	0			

LCS Sample ID: **LCS-234633-234633** Units: **mg/L** Analysis Date: **2/8/2024 01:06 PM**
Client ID: Run ID: **ICPMS3_240208A** SeqNo: **10461948** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	0.1166	0.010	0.1	0	117	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234633** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **24020122-07AMS** Units: **mg/L** Analysis Date: **2/7/2024 03:20 PM**
Client ID: Run ID: **ICPMS3_240207A** SeqNo: **10458661** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1192	0.0050	0.1	0.0002893	119	75-125	0			
Barium	0.2548	0.0050	0.1	0.1412	114	75-125	0			
Beryllium	0.1038	0.0020	0.1	0.0000396	104	75-125	0			
Cadmium	0.1116	0.0020	0.1	0.0000682	112	75-125	0			
Chromium	0.1141	0.0050	0.1	0.001795	112	75-125	0			
Cobalt	0.1112	0.0050	0.1	0.001036	110	75-125	0			
Iron	11.83	0.080	10	0.247	116	75-125	0			
Lead	0.1171	0.0050	0.1	0.0003685	117	75-125	0			
Manganese	1.169	0.0050	0.1	1.11	59.1	75-125	0			SO
Nickel	0.1128	0.0050	0.1	0.00383	109	75-125	0			
Selenium	0.1221	0.0050	0.1	0.0006193	121	75-125	0			
Silver	0.1146	0.0050	0.1	0.0000297	115	75-125	0			
Thallium	0.102	0.0050	0.1	0.0002596	102	75-125	0			

MS Sample ID: **24020122-07AMS** Units: **mg/L** Analysis Date: **2/8/2024 01:24 PM**
Client ID: Run ID: **ICPMS3_240208A** SeqNo: **10461959** Prep Date: **2/7/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	5.825	0.20	0.5	5.482	68.5	75-125	0			SO

MS Sample ID: **24020122-07AMS** Units: **mg/L** Analysis Date: **2/8/2024 01:33 PM**
Client ID: Run ID: **ICPMS3_240208A** SeqNo: **10461964** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	0.1799	0.010	0.1	0.06607	114	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234633** Instrument ID **ICPMS3** Method: **SW6020B**

MSD Sample ID: **24020122-07AMSD** Units: **mg/L** Analysis Date: **2/7/2024 03:22 PM**
Client ID: Run ID: **ICPMS3_240207A** SeqNo: **10458662** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1175	0.0050	0.1	0.0002893	117	75-125	0.1192	1.48	20	
Barium	0.2516	0.0050	0.1	0.1412	110	75-125	0.2548	1.24	20	
Beryllium	0.101	0.0020	0.1	0.0000396	101	75-125	0.1038	2.76	20	
Cadmium	0.1089	0.0020	0.1	0.0000682	109	75-125	0.1116	2.43	20	
Chromium	0.1138	0.0050	0.1	0.001795	112	75-125	0.1141	0.279	20	
Cobalt	0.1101	0.0050	0.1	0.001036	109	75-125	0.1112	0.995	20	
Iron	11.79	0.080	10	0.247	115	75-125	11.83	0.357	20	
Lead	0.1137	0.0050	0.1	0.0003685	113	75-125	0.1171	2.99	20	
Manganese	1.173	0.0050	0.1	1.11	62.9	75-125	1.169	0.328	20	SO
Nickel	0.1108	0.0050	0.1	0.00383	107	75-125	0.1128	1.75	20	
Selenium	0.1177	0.0050	0.1	0.0006193	117	75-125	0.1221	3.63	20	
Silver	0.1131	0.0050	0.1	0.0000297	113	75-125	0.1146	1.33	20	
Thallium	0.1077	0.0050	0.1	0.0002596	107	75-125	0.102	5.44	20	

MSD Sample ID: **24020122-07AMSD** Units: **mg/L** Analysis Date: **2/8/2024 01:26 PM**
Client ID: Run ID: **ICPMS3_240208A** SeqNo: **10461960** Prep Date: **2/7/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	5.681	0.20	0.5	5.482	39.7	75-125	5.984	5.2	20	SO

MSD Sample ID: **24020122-07AMSD** Units: **mg/L** Analysis Date: **2/8/2024 01:34 PM**
Client ID: Run ID: **ICPMS3_240208A** SeqNo: **10461965** Prep Date: **2/7/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	0.1771	0.010	0.1	0.06607	111	75-125	0.1799	1.56	20	

The following samples were analyzed in this batch:

24020041-07B	24020041-08B	24020041-09B
24020041-10B	24020041-11B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234702** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-234702-234702** Units: **mg/Kg** Analysis Date: **2/8/2024 04:51 PM**
Client ID: Run ID: **ICPMS3_240208B** SeqNo: **10463466** Prep Date: **2/8/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	U	0.25								
Beryllium	U	0.10								
Cadmium	U	0.10								
Calcium	U	25								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Iron	U	10								
Lead	U	0.25								
Magnesium	U	10								
Manganese	U	0.25								
Nickel	U	0.25								
Potassium	U	10								
Selenium	U	0.25								
Silver	U	0.25								
Sodium	U	15								
Thallium	U	0.25								
Vanadium	U	0.25								
Zinc	U	0.50								

MBLK Sample ID: **MBLK-234702-234702** Units: **mg/Kg** Analysis Date: **2/9/2024 11:52 AM**
Client ID: Run ID: **ICPMS3_240209B** SeqNo: **10465514** Prep Date: **2/8/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **234702** Instrument ID **ICPMS3** Method: **SW6020B**

LCS Sample ID: **LCS-234702-234702** Units: **mg/Kg** Analysis Date: **2/8/2024 04:53 PM**
Client ID: Run ID: **ICPMS3_240208B** SeqNo: **10463467** Prep Date: **2/8/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	5.366	0.25	5	0	107	80-120	0			
Arsenic	5.178	0.25	5	0	104	80-120	0			
Barium	5.222	0.25	5	0	104	80-120	0			
Beryllium	5.113	0.10	5	0	102	80-120	0			
Cadmium	5.295	0.10	5	0	106	80-120	0			
Calcium	543.7	25	500	0	109	80-120	0			
Chromium	5.299	0.25	5	0	106	80-120	0			
Cobalt	5.355	0.25	5	0	107	80-120	0			
Copper	5.276	0.25	5	0	106	80-120	0			
Iron	534	10	500	0	107	80-120	0			
Lead	5.393	0.25	5	0	108	80-120	0			
Magnesium	551.8	10	500	0	110	80-120	0			
Manganese	5.322	0.25	5	0	106	80-120	0			
Nickel	5.27	0.25	5	0	105	80-120	0			
Potassium	546.3	10	500	0	109	80-120	0			
Selenium	5.142	0.25	5	0	103	80-120	0			
Silver	5.464	0.25	5	0	109	80-120	0			
Sodium	552.1	15	500	0	110	80-120	0			
Thallium	5.174	0.25	5	0	103	80-120	0			
Vanadium	5.402	0.25	5	0	108	80-120	0			
Zinc	5.268	0.50	5	0	105	80-120	0			

LCS Sample ID: **LCS-234702-234702** Units: **mg/Kg** Analysis Date: **2/9/2024 11:53 AM**
Client ID: Run ID: **ICPMS3_240209B** SeqNo: **10465515** Prep Date: **2/8/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	25.32	1.0	25	0	101	80-120	0			

Batch ID: **234702** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **24020135-01BMS** Units: **mg/Kg** Analysis Date: **2/8/2024 05:13 PM**
Client ID: Run ID: **ICPMS3_240208B** SeqNo: **10463478** Prep Date: **2/8/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.79	0.26	5.133	7.67	80.3	75-125	0			
Barium	80.39	0.26	5.133	71.77	168	75-125	0			SO
Beryllium	5.182	0.10	5.133	0.2997	95.1	75-125	0			
Boron	36.55	1.0	25.67	10.04	103	75-125	0			
Chromium	15.58	0.26	5.133	11.35	82.4	75-125	0			
Cobalt	10.95	0.26	5.133	6.343	89.8	75-125	0			
Magnesium	4852	10	513.3	4264	114	75-125	0			O
Potassium	1176	10	513.3	580.7	116	75-125	0			
Selenium	5.471	0.26	5.133	0.7371	92.2	75-125	0			
Silver	4.484	0.26	5.133	0.1248	84.9	75-125	0			
Sodium	689.1	15	513.3	192.6	96.7	75-125	0			
Thallium	5.643	0.26	5.133	0.5538	99.1	75-125	0			
Vanadium	17.6	0.26	5.133	11.92	111	75-125	0			

MS Sample ID: **24020135-01BMS** Units: **mg/Kg** Analysis Date: **2/9/2024 12:05 PM**
Client ID: Run ID: **ICPMS3_240209B** SeqNo: **10465522** Prep Date: **2/8/2024** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	76180	2,600	513.3	84650	-1650	75-125	0			SO
Copper	159.6	26	5.133	120.1	770	75-125	0			SO
Iron	17750	1,000	513.3	19830	-405	75-125	0			SO
Manganese	215.7	26	5.133	256.9	-802	75-125	0			SO
Zinc	264	51	5.133	414.7	-2940	75-125	0			SO

MS Sample ID: **24020135-01BMS** Units: **mg/Kg** Analysis Date: **2/9/2024 12:18 PM**
Client ID: Run ID: **ICPMS3_240209B** SeqNo: **10465530** Prep Date: **2/8/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	3.755	2.6	5.133	0.2564	68.1	75-125	0			S
Cadmium	6.862	1.0	5.133	3.453	66.4	75-125	0			S
Lead	24.92	2.6	5.133	23.09	35.6	75-125	0			SO
Nickel	17.71	2.6	5.133	13.12	89.5	75-125	0			

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234702** Instrument ID **ICPMS3** Method: **SW6020B**

MSD	Sample ID: **24020135-01BMSD**				Units: **mg/Kg**			Analysis Date: **2/8/2024 05:15 PM**			
Client ID:		Run ID: **ICPMS3_240208B**			SeqNo: **10463479**		Prep Date: **2/8/2024**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.04	0.26	5.219	7.67	83.8	75-125	11.79	2.1	20	
Barium	84.47	0.26	5.219	71.77	243	75-125	80.39	4.95	20	SO
Beryllium	5.281	0.10	5.219	0.2997	95.4	75-125	5.182	1.89	20	
Boron	36.59	1.0	26.1	10.04	102	75-125	36.55	0.0902	20	
Chromium	16.06	0.26	5.219	11.35	90.4	75-125	15.58	3.07	20	
Cobalt	11.33	0.26	5.219	6.343	95.5	75-125	10.95	3.4	20	
Magnesium	4830	10	521.9	4264	108	75-125	4852	0.454	20	O
Potassium	1212	10	521.9	580.7	121	75-125	1176	3.03	20	
Selenium	5.395	0.26	5.219	0.7371	89.2	75-125	5.471	1.4	20	
Silver	4.37	0.26	5.219	0.1248	81.3	75-125	4.484	2.58	20	
Sodium	719.5	16	521.9	192.6	101	75-125	689.1	4.32	20	
Thallium	5.941	0.26	5.219	0.5538	103	75-125	5.643	5.14	20	
Vanadium	18.15	0.26	5.219	11.92	119	75-125	17.6	3.1	20	

MSD	Sample ID: **24020135-01BMSD**				Units: **mg/Kg**			Analysis Date: **2/9/2024 12:06 PM**			
Client ID:		Run ID: **ICPMS3_240209B**			SeqNo: **10465523**		Prep Date: **2/8/2024**		DF: **100**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	75170	2,600	521.9	84650	-1820	75-125	75540	0.495	20	SO
Copper	75.38	26	5.219	120.1	-857	75-125	157.3	70.4	20	SRO
Iron	19820	1,000	521.9	19830	-1.78	75-125	17910	10.1	20	SO
Manganese	235.9	26	5.219	256.9	-402	75-125	215.7	8.92	20	SO
Zinc	203.5	52	5.219	414.7	-4050	75-125	262	25.1	20	SRO

MSD	Sample ID: **24020135-01BMSD**				Units: **mg/Kg**			Analysis Date: **2/9/2024 12:20 PM**			
Client ID:		Run ID: **ICPMS3_240209B**			SeqNo: **10465531**		Prep Date: **2/8/2024**		DF: **10**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	3.64	2.6	5.219	0.2564	64.8	75-125	3.755	3.11	20	S
Cadmium	6.566	1.0	5.219	3.453	59.7	75-125	6.862	4.4	20	S
Lead	21.71	2.6	5.219	23.09	-26.4	75-125	24.92	13.8	20	SO
Nickel	18.2	2.6	5.219	13.12	97.3	75-125	17.71	2.7	20	

The following samples were analyzed in this batch:

24020041-05B	24020041-06B	24020041-07B
24020041-08B	24020041-09B	24020041-10B
24020041-11B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **235587** Instrument ID **ICPMS4** Method: **SW6020B**

MBLK Sample ID: **MBLK-235587-235587** Units: **mg/L** Analysis Date: **2/23/2024 06:48 PM**
Client ID: Run ID: **ICPMS4_240223A** SeqNo: **10511073** Prep Date: **2/23/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0050								
Cadmium	U	0.0020								
Lead	U	0.0050								
Manganese	U	0.0050								

LCS Sample ID: **LCS-235587-235587** Units: **mg/L** Analysis Date: **2/23/2024 06:50 PM**
Client ID: Run ID: **ICPMS4_240223A** SeqNo: **10511075** Prep Date: **2/23/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.101	0.0050	0.1	0	101	80-120	0			
Cadmium	0.09874	0.0020	0.1	0	98.7	80-120	0			
Lead	0.09891	0.0050	0.1	0	98.9	80-120	0			
Manganese	0.0963	0.0050	0.1	0	96.3	80-120	0			

MS Sample ID: **24021505-01AMS** Units: **mg/L** Analysis Date: **2/23/2024 07:31 PM**
Client ID: Run ID: **ICPMS4_240223A** SeqNo: **10511109** Prep Date: **2/23/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.037	0.050	1	0.000407	104	75-125	0			
Cadmium	0.9966	0.020	1	0.001529	99.5	75-125	0			
Lead	1.256	0.050	1	0.2535	100	75-125	0			
Manganese	0.9948	0.050	1	0.01097	98.4	75-125	0			

MSD Sample ID: **24021505-01AMSD** Units: **mg/L** Analysis Date: **2/23/2024 07:32 PM**
Client ID: Run ID: **ICPMS4_240223A** SeqNo: **10511111** Prep Date: **2/23/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.036	0.050	1	0.000407	104	75-125	1.037	0.124	20	
Cadmium	0.9923	0.020	1	0.001529	99.1	75-125	0.9966	0.429	20	
Lead	1.241	0.050	1	0.2535	98.7	75-125	1.256	1.24	20	
Manganese	0.9771	0.050	1	0.01097	96.6	75-125	0.9948	1.8	20	

The following samples were analyzed in this batch: 24020041-08C 24020041-09C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **235651** Instrument ID **ICPMS4** Method: **SW6020B**

MBLK Sample ID: **MBLK-235651-235651** Units: **mg/L** Analysis Date: **2/26/2024 08:00 PM**
Client ID: Run ID: **ICPMS4_240226A** SeqNo: **10514286** Prep Date: **2/26/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	U	0.0050								
Manganese	U	0.0050								

LCS Sample ID: **LCS-235651-235651** Units: **mg/L** Analysis Date: **2/26/2024 08:02 PM**
Client ID: Run ID: **ICPMS4_240226A** SeqNo: **10514287** Prep Date: **2/26/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.1027	0.0050	0.1	0	103	80-120	0			
Manganese	0.1014	0.0050	0.1	0	101	80-120	0			

MS Sample ID: **24021396-01AMS** Units: **mg/L** Analysis Date: **2/26/2024 08:20 PM**
Client ID: Run ID: **ICPMS4_240226A** SeqNo: **10514298** Prep Date: **2/26/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	0.998	0.50	1	-0.00946	101	80-120	0			

MS Sample ID: **24021396-01AMS** Units: **mg/L** Analysis Date: **2/27/2024 02:36 PM**
Client ID: Run ID: **ICPMS4_240227A** SeqNo: **10516322** Prep Date: **2/26/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	1.023	0.050	1	0.00088	102	80-120	0			

MSD Sample ID: **24021396-01AMSD** Units: **mg/L** Analysis Date: **2/26/2024 08:21 PM**
Client ID: Run ID: **ICPMS4_240226A** SeqNo: **10514299** Prep Date: **2/26/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	1.001	0.50	1	-0.00946	101	80-120	0.998	0.259	20	

MSD Sample ID: **24021396-01AMSD** Units: **mg/L** Analysis Date: **2/27/2024 02:38 PM**
Client ID: Run ID: **ICPMS4_240227A** SeqNo: **10516323** Prep Date: **2/26/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	1.035	0.050	1	0.00088	103	80-120	1.023	1.18	20	

The following samples were analyzed in this batch: 24020041-10C 24020041-11C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-234389-234389** Units: **µg/Kg** Analysis Date: **2/2/2024 03:59 PM**
Client ID: Run ID: **SVMS10_240202A** SeqNo: **10451592** Prep Date: **2/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	U	33								
1,2-Dichlorobenzene	U	33								
1,3-Dichlorobenzene	U	33								
1,4-Dichlorobenzene	U	33								
2,2`-Oxybis(1-chloropropane)	U	33								
2,4,5-Trichlorophenol	U	33								
2,4,6-Trichlorophenol	U	33								
2,4-Dichlorophenol	U	33								
2,4-Dimethylphenol	U	33								
2,4-Dinitrophenol	U	670								
2,4-Dinitrotoluene	U	33								
2,6-Dinitrotoluene	U	33								
2-Chloronaphthalene	U	6.7								
2-Chlorophenol	U	33								
2-Methylnaphthalene	U	6.7								
2-Methylphenol	U	33								
2-Nitroaniline	U	33								
2-Nitrophenol	U	33								
3&4-Methylphenol	U	33								
3,3´-Dichlorobenzidine	U	170								
3-Nitroaniline	U	33								
4,6-Dinitro-2-methylphenol	U	33								
4-Bromophenyl phenyl ether	U	33								
4-Chloro-3-methylphenol	U	33								
4-Chloroaniline	U	67								
4-Chlorophenyl phenyl ether	U	33								
4-Nitroaniline	U	170								
4-Nitrophenol	U	170								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Bis(2-chloroethoxy)methane	U	33								
Bis(2-chloroethyl)ether	U	33								
Bis(2-ethylhexyl)phthalate	U	33								
Butyl benzyl phthalate	U	67								
Carbazole	U	33								
Chrysene	U	6.7								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

Dibenzo(a,h)anthracene	U	6.7					
Dibenzofuran	U	33					
Diethyl phthalate	U	33					
Dimethyl phthalate	U	33					
Di-n-butyl phthalate	U	33					
Di-n-octyl phthalate	U	33					
Fluoranthene	U	6.7					
Fluorene	U	6.7					
Hexachlorobenzene	U	33					
Hexachlorobutadiene	U	33					
Hexachlorocyclopentadiene	U	33					
Hexachloroethane	U	33					
Indeno(1,2,3-cd)pyrene	U	6.7					
Isophorone	U	170					
Naphthalene	U	6.7					
Nitrobenzene	U	170					
N-Nitrosodi-n-propylamine	U	33					
N-Nitrosodiphenylamine	U	33					
Pentachlorophenol	U	33					
Phenanthrene	U	6.7					
Phenol	U	33					
Pyrene	U	6.7					
Surr: 2,4,6-Tribromophenol	*2139*	0	*3333*	0	*64.2*	*48-94*	0
Surr: 2-Fluorobiphenyl	*2162*	0	*3333*	0	*64.9*	*50-103*	0
Surr: 2-Fluorophenol	*2169*	0	*3333*	0	*65.1*	*43-105*	0
Surr: 4-Terphenyl-d14	*2175*	0	*3333*	0	*65.2*	*55-111*	0
Surr: Nitrobenzene-d5	*2147*	0	*3333*	0	*64.4*	*47-100*	0
Surr: Phenol-d6	*2356*	0	*3333*	0	*70.7*	*49-110*	0

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

LCS Sample ID: **SLCSS1-234389-234389** Units: **µg/Kg** Analysis Date: **2/2/2024 04:27 PM**

Client ID: Run ID: **SVMS10_240202A** SeqNo: **10451593** Prep Date: **2/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	930.7	33	1333	0	69.8	53-98	0			
1,2-Dichlorobenzene	865.3	33	1333	0	64.9	55-97	0			
1,3-Dichlorobenzene	867.3	33	1333	0	65.1	53-96	0			
1,4-Dichlorobenzene	848	33	1333	0	63.6	54-96	0			
2,2`-Oxybis(1-chloropropane)	895.3	33	1333	0	67.2	50-101	0			
2,4,5-Trichlorophenol	997.3	33	1333	0	74.8	54-98	0			
2,4,6-Trichlorophenol	989.3	33	1333	0	74.2	56-97	0			
2,4-Dichlorophenol	944	33	1333	0	70.8	54-99	0			
2,4-Dimethylphenol	1077	33	1333	0	80.8	47-102	0			
2,4-Dinitrophenol	856.7	670	1333	0	64.3	10-100	0			
2,4-Dinitrotoluene	1121	33	1333	0	84.1	62-105	0			
2,6-Dinitrotoluene	1059	33	1333	0	79.5	62-103	0			
2-Chloronaphthalene	959.3	6.7	1333	0	72	57-101	0			
2-Chlorophenol	898	33	1333	0	67.4	52-102	0			
2-Methylnaphthalene	990	6.7	1333	0	74.3	55-102	0			
2-Methylphenol	950.7	33	1333	0	71.3	54-103	0			
2-Nitroaniline	1087	33	1333	0	81.5	57-103	0			
2-Nitrophenol	956.7	33	1333	0	71.8	52-102	0			
3&4-Methylphenol	999.3	33	1333	0	75	56-103	0			
3,3´-Dichlorobenzidine	797.3	170	1333	0	59.8	41-91	0			
3-Nitroaniline	774.7	33	1333	0	58.1	35-107	0			
4,6-Dinitro-2-methylphenol	1025	33	1333	0	76.9	42-104	0			
4-Bromophenyl phenyl ether	1087	33	1333	0	81.6	63-104	0			
4-Chloro-3-methylphenol	1074	33	1333	0	80.6	57-103	0			
4-Chloroaniline	1099	67	1333	0	82.4	32-99	0			
4-Chlorophenyl phenyl ether	1042	33	1333	0	78.2	62-100	0			
4-Nitroaniline	520	170	1333	0	39	19-124	0			
4-Nitrophenol	958	170	1333	0	71.9	44-106	0			
Acenaphthene	1003	6.7	1333	0	75.3	60-101	0			
Acenaphthylene	1029	6.7	1333	0	77.2	59-101	0			
Anthracene	1123	6.7	1333	0	84.3	63-103	0			
Benzo(a)anthracene	1101	6.7	1333	0	82.6	66-102	0			
Benzo(a)pyrene	1231	6.7	1333	0	92.4	66-105	0			
Benzo(b)fluoranthene	1117	6.7	1333	0	83.8	67-105	0			
Benzo(g,h,i)perylene	1168	6.7	1333	0	87.6	59-110	0			
Benzo(k)fluoranthene	1115	6.7	1333	0	83.7	68-106	0			
Bis(2-chloroethoxy)methane	946.7	33	1333	0	71	54-102	0			
Bis(2-chloroethyl)ether	854.7	33	1333	0	64.1	51-101	0			
Bis(2-ethylhexyl)phthalate	1036	33	1333	0	77.7	63-114	0			
Butyl benzyl phthalate	1001	67	1333	0	75.1	59-107	0			
Carbazole	1069	33	1333	0	80.2	63-103	0			
Chrysene	1075	6.7	1333	0	80.6	66-105	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

Dibenzo(a,h)anthracene	1164	6.7	1333	0	87.3	61-109	0
Dibenzofuran	1030	33	1333	0	77.3	61-101	0
Diethyl phthalate	1084	33	1333	0	81.3	63-105	0
Dimethyl phthalate	1074	33	1333	0	80.6	64-104	0
Di-n-butyl phthalate	1075	33	1333	0	80.6	66-108	0
Di-n-octyl phthalate	1051	33	1333	0	78.9	53-126	0
Fluoranthene	1093	6.7	1333	0	82	66-105	0
Fluorene	1066	6.7	1333	0	80	62-101	0
Hexachlorobenzene	1072	33	1333	0	80.4	61-104	0
Hexachlorobutadiene	904.7	33	1333	0	67.9	52-99	0
Hexachlorocyclopentadiene	886	33	1333	0	66.5	39-106	0
Hexachloroethane	843.3	33	1333	0	63.3	59-99	0
Indeno(1,2,3-cd)pyrene	1173	6.7	1333	0	88	57-114	0
Isophorone	986.7	170	1333	0	74	55-101	0
Naphthalene	932.7	6.7	1333	0	70	54-99	0
Nitrobenzene	926	170	1333	0	69.5	53-100	0
N-Nitrosodi-n-propylamine	1015	33	1333	0	76.1	52-104	0
N-Nitrosodiphenylamine	1095	33	1333	0	82.2	61-104	0
Pentachlorophenol	942	33	1333	0	70.7	35-100	0
Phenanthrene	1111	6.7	1333	0	83.3	64-101	0
Phenol	929.3	33	1333	0	69.7	51-107	0
Pyrene	1062	6.7	1333	0	79.7	62-114	0
Surr: 2,4,6-Tribromophenol	*2407*	0	*3333*	0	*72.2*	*48-94*	0
Surr: 2-Fluorobiphenyl	*2105*	0	*3333*	0	*63.1*	*50-103*	0
Surr: 2-Fluorophenol	*2021*	0	*3333*	0	*60.6*	*43-105*	0
Surr: 4-Terphenyl-d14	*2332*	0	*3333*	0	*70*	*55-111*	0
Surr: Nitrobenzene-d5	*2059*	0	*3333*	0	*61.8*	*47-100*	0
Surr: Phenol-d6	*2245*	0	*3333*	0	*67.3*	*49-110*	0

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

MS Sample ID: **24020049-26A MS** Units: **µg/Kg** Analysis Date: **2/2/2024 05:49 PM**

Client ID: Run ID: **SVMS10_240202A** SeqNo: **10451596** Prep Date: **2/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	936.7	32	1291	0	72.6	53-98	0			
1,2-Dichlorobenzene	868.9	32	1291	0	67.3	55-97	0			
1,3-Dichlorobenzene	872.8	32	1291	0	67.6	53-96	0			
1,4-Dichlorobenzene	848.9	32	1291	0	65.8	54-96	0			
2,2`-Oxybis(1-chloropropane)	920.6	32	1291	0	71.3	50-101	0			
2,4,5-Trichlorophenol	1018	32	1291	0	78.9	54-98	0			
2,4,6-Trichlorophenol	1012	32	1291	0	78.4	56-97	0			
2,4-Dichlorophenol	959.3	32	1291	0	74.3	54-99	0			
2,4-Dimethylphenol	1114	32	1291	0	86.3	47-102	0			
2,4-Dinitrophenol	238.2	650	1291	0	18.5	10-100	0			J
2,4-Dinitrotoluene	1078	32	1291	0	83.5	62-105	0			
2,6-Dinitrotoluene	1050	32	1291	0	81.4	62-103	0			
2-Chloronaphthalene	968.4	6.5	1291	0	75	57-101	0			
2-Chlorophenol	909	32	1291	0	70.4	52-102	0			
2-Methylnaphthalene	987.1	6.5	1291	0	76.5	55-102	0			
2-Methylphenol	960	32	1291	0	74.4	54-103	0			
2-Nitroaniline	1092	32	1291	0	84.6	57-103	0			
2-Nitrophenol	988.4	32	1291	0	76.6	52-102	0			
3&4-Methylphenol	1000	32	1291	0	77.5	56-103	0			
3,3´-Dichlorobenzidine	907	160	1291	0	70.3	41-91	0			
3-Nitroaniline	751.5	32	1291	0	58.2	35-107	0			
4,6-Dinitro-2-methylphenol	762.4	32	1291	0	59.1	42-104	0			
4-Bromophenyl phenyl ether	1057	32	1291	0	81.9	63-104	0			
4-Chloro-3-methylphenol	1069	32	1291	0	82.8	57-103	0			
4-Chloroaniline	1086	65	1291	0	84.1	32-99	0			
4-Chlorophenyl phenyl ether	1030	32	1291	0	79.8	62-100	0			
4-Nitroaniline	415.1	160	1291	0	32.2	19-124	0			
4-Nitrophenol	923.2	160	1291	0	71.5	44-106	0			
Acenaphthene	1001	6.5	1291	0	77.6	60-101	0			
Acenaphthylene	1030	6.5	1291	0	79.8	59-101	0			
Anthracene	1077	6.5	1291	0	83.4	63-103	0			
Benzo(a)anthracene	1041	6.5	1291	0	80.6	66-102	0			
Benzo(a)pyrene	1181	6.5	1291	5.298	91.1	66-105	0			
Benzo(b)fluoranthene	1043	6.5	1291	0	80.8	67-105	0			
Benzo(g,h,i)perylene	1094	6.5	1291	3.311	84.5	59-110	0			
Benzo(k)fluoranthene	1081	6.5	1291	3.973	83.4	68-106	0			
Bis(2-chloroethoxy)methane	948.4	32	1291	0	73.5	54-102	0			
Bis(2-chloroethyl)ether	868.3	32	1291	0	67.3	51-101	0			
Bis(2-ethylhexyl)phthalate	994.2	32	1291	0	77	63-114	0			
Butyl benzyl phthalate	951.6	65	1291	0	73.7	59-107	0			
Carbazole	1026	32	1291	0	79.5	63-103	0			
Chrysene	1003	6.5	1291	0	77.7	66-105	0			

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

Dibenzo(a,h)anthracene	1093	6.5	1291	0	84.7	61-109	0
Dibenzofuran	1015	32	1291	0	78.6	61-101	0
Diethyl phthalate	1039	32	1291	0	80.5	63-105	0
Dimethyl phthalate	1046	32	1291	0	81	64-104	0
Di-n-butyl phthalate	1076	32	1291	0	83.3	66-108	0
Di-n-octyl phthalate	1059	32	1291	32.45	79.6	53-126	0
Fluoranthene	1078	6.5	1291	0	83.5	66-105	0
Fluorene	1048	6.5	1291	0	81.2	62-101	0
Hexachlorobenzene	1029	32	1291	0	79.7	61-104	0
Hexachlorobutadiene	927.7	32	1291	0	71.9	52-99	0
Hexachlorocyclopentadiene	934.8	32	1291	0	72.4	39-106	0
Hexachloroethane	888.3	32	1291	0	68.8	59-99	0
Indeno(1,2,3-cd)pyrene	1119	6.5	1291	0	86.7	57-114	0
Isophorone	999.4	160	1291	0	77.4	55-101	0
Naphthalene	940	6.5	1291	2.649	72.6	54-99	0
Nitrobenzene	950.9	160	1291	0	73.7	53-100	0
N-Nitrosodi-n-propylamine	997.4	32	1291	0	77.3	52-104	0
N-Nitrosodiphenylamine	1045	32	1291	0	80.9	61-104	0
Pentachlorophenol	887	32	1291	0	68.7	35-100	0
Phenanthrene	1063	6.5	1291	0	82.4	64-101	0
Phenol	935.4	32	1291	0	72.5	51-107	0
Pyrene	961.9	6.5	1291	3.311	74.3	62-114	0
Surr: 2,4,6-Tribromophenol	*2356*	0	*3228*	0	*73*	*48-94*	0
Surr: 2-Fluorobiphenyl	*2120*	0	*3228*	0	*65.7*	*50-103*	0
Surr: 2-Fluorophenol	*2050*	0	*3228*	0	*63.5*	*43-105*	0
Surr: 4-Terphenyl-d14	*2139*	0	*3228*	0	*66.3*	*55-111*	0
Surr: Nitrobenzene-d5	*2101*	0	*3228*	0	*65.1*	*47-100*	0
Surr: Phenol-d6	*2252*	0	*3228*	0	*69.8*	*49-110*	0

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

MSD Sample ID: **24020049-26A MSD** Units: **µg/Kg** Analysis Date: **2/2/2024 06:17 PM**

Client ID: Run ID: **SVMS10_240202A** SeqNo: **10451597** Prep Date: **2/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1105	32	1292	0	85.6	53-98	936.7	16.5	30	
1,2-Dichlorobenzene	1028	32	1292	0	79.6	55-97	868.9	16.8	30	
1,3-Dichlorobenzene	1020	32	1292	0	79	53-96	872.8	15.5	30	
1,4-Dichlorobenzene	1012	32	1292	0	78.4	54-96	848.9	17.5	30	
2,2`-Oxybis(1-chloropropane)	1143	32	1292	0	88.5	50-101	920.6	21.6	30	
2,4,5-Trichlorophenol	1129	32	1292	0	87.4	54-98	1018	10.3	30	
2,4,6-Trichlorophenol	1135	32	1292	0	87.9	56-97	1012	11.4	30	
2,4-Dichlorophenol	1129	32	1292	0	87.4	54-99	959.3	16.3	30	
2,4-Dimethylphenol	1282	32	1292	0	99.2	47-102	1114	14	30	
2,4-Dinitrophenol	251.9	650	1292	0	19.5	10-100	238.2	0	30	J
2,4-Dinitrotoluene	1243	32	1292	0	96.2	62-105	1078	14.2	30	
2,6-Dinitrotoluene	1174	32	1292	0	90.9	62-103	1050	11.1	30	
2-Chloronaphthalene	1094	6.5	1292	0	84.7	57-101	968.4	12.1	30	
2-Chlorophenol	1085	32	1292	0	84	52-102	909	17.6	30	
2-Methylnaphthalene	1147	6.5	1292	0	88.8	55-102	987.1	15	30	
2-Methylphenol	1133	32	1292	0	87.7	54-103	960	16.5	30	
2-Nitroaniline	1220	32	1292	0	94.5	57-103	1092	11.1	30	
2-Nitrophenol	1162	32	1292	0	90	52-102	988.4	16.2	30	
3&4-Methylphenol	1196	32	1292	0	92.6	56-103	1000	17.8	30	
3,3´-Dichlorobenzidine	885.6	160	1292	0	68.6	41-91	907	2.39	30	
3-Nitroaniline	853.9	32	1292	0	66.1	35-107	751.5	12.8	30	
4,6-Dinitro-2-methylphenol	835.9	32	1292	0	64.7	42-104	762.4	9.19	30	
4-Bromophenyl phenyl ether	1165	32	1292	0	90.2	63-104	1057	9.71	30	
4-Chloro-3-methylphenol	1219	32	1292	0	94.4	57-103	1069	13.1	30	
4-Chloroaniline	1288	65	1292	0	99.7	32-99	1086	17	30	S
4-Chlorophenyl phenyl ether	1167	32	1292	0	90.4	62-100	1030	12.5	30	
4-Nitroaniline	489	160	1292	0	37.9	19-124	415.1	16.3	30	
4-Nitrophenol	1090	160	1292	0	84.4	44-106	923.2	16.6	30	
Acenaphthene	1139	6.5	1292	0	88.2	60-101	1001	12.9	30	
Acenaphthylene	1158	6.5	1292	0	89.7	59-101	1030	11.7	30	
Anthracene	1194	6.5	1292	0	92.4	63-103	1077	10.3	30	
Benzo(a)anthracene	1165	6.5	1292	0	90.2	66-102	1041	11.3	30	
Benzo(a)pyrene	1309	6.5	1292	5.298	101	66-105	1181	10.3	30	
Benzo(b)fluoranthene	1200	6.5	1292	0	92.9	67-105	1043	14.1	30	
Benzo(g,h,i)perylene	1166	6.5	1292	3.311	90	59-110	1094	6.34	30	
Benzo(k)fluoranthene	1196	6.5	1292	3.973	92.3	68-106	1081	10.2	30	
Bis(2-chloroethoxy)methane	1120	32	1292	0	86.7	54-102	948.4	16.6	30	
Bis(2-chloroethyl)ether	1054	32	1292	0	81.6	51-101	868.3	19.3	30	
Bis(2-ethylhexyl)phthalate	1167	32	1292	0	90.4	63-114	994.2	16	30	
Butyl benzyl phthalate	1131	65	1292	0	87.6	59-107	951.6	17.2	30	
Carbazole	1177	32	1292	0	91.1	63-103	1026	13.7	30	
Chrysene	1136	6.5	1292	0	88	66-105	1003	12.4	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **234389** Instrument ID **SVMS10** Method: **SW8270E**

Dibenzo(a,h)anthracene	1167	6.5	1292	0	90.4	61-109	1093	6.57	30
Dibenzofuran	1147	32	1292	0	88.8	61-101	1015	12.2	30
Diethyl phthalate	1216	32	1292	0	94.2	63-105	1039	15.7	30
Dimethyl phthalate	1195	32	1292	0	92.5	64-104	1046	13.3	30
Di-n-butyl phthalate	1266	32	1292	0	98	66-108	1076	16.3	30
Di-n-octyl phthalate	1285	32	1292	32.45	97	53-126	1059	19.3	30
Fluoranthene	1267	6.5	1292	0	98.1	66-105	1078	16.1	30
Fluorene	1192	6.5	1292	0	92.3	62-101	1048	12.9	30
Hexachlorobenzene	1118	32	1292	0	86.6	61-104	1029	8.3	30
Hexachlorobutadiene	1090	32	1292	0	84.4	52-99	927.7	16.1	30
Hexachlorocyclopentadiene	1113	32	1292	0	86.2	39-106	934.8	17.4	30
Hexachloroethane	1065	32	1292	0	82.5	59-99	888.3	18.1	30
Indeno(1,2,3-cd)pyrene	1208	6.5	1292	0	93.5	57-114	1119	7.6	30
Isophorone	1173	160	1292	0	90.8	55-101	999.4	16	30
Naphthalene	1097	6.5	1292	2.649	84.8	54-99	940	15.5	30
Nitrobenzene	1107	160	1292	0	85.7	53-100	950.9	15.2	30
N-Nitrosodi-n-propylamine	1210	32	1292	0	93.7	52-104	997.4	19.3	30
N-Nitrosodiphenylamine	1134	32	1292	0	87.8	61-104	1045	8.18	30
Pentachlorophenol	994.1	32	1292	0	77	35-100	887	11.4	30
Phenanthrene	1172	6.5	1292	0	90.8	64-101	1063	9.76	30
Phenol	1104	32	1292	0	85.5	51-107	935.4	16.5	30
Pyrene	1106	6.5	1292	3.311	85.4	62-114	961.9	13.9	30
Surr: 2,4,6-Tribromophenol	*2564*	0	*3229*	0	*79.4*	*48-94*	2356	*8.43*	*40*
Surr: 2-Fluorobiphenyl	*2348*	0	*3229*	0	*72.7*	*50-103*	2120	*10.2*	*40*
Surr: 2-Fluorophenol	*2363*	0	*3229*	0	*73.2*	*43-105*	2050	*14.2*	*40*
Surr: 4-Terphenyl-d14	*2434*	0	*3229*	0	*75.4*	*55-111*	2139	*12.9*	*40*
Surr: Nitrobenzene-d5	*2395*	0	*3229*	0	*74.2*	*47-100*	2101	*13.1*	*40*
Surr: Phenol-d6	*2610*	0	*3229*	0	*80.8*	*49-110*	2252	*14.7*	*40*

The following samples were analyzed in this batch:

24020041-01B	24020041-02B	24020041-03B
24020041-04B	24020041-05B	24020041-06B
24020041-07B	24020041-08B	24020041-09B
24020041-10B	24020041-11B	

Batch ID: **234393** Instrument ID **VMS11** Method: **SW8260D**

MBLK Sample ID: **MBLK-234393-234393** Units: **µg/Kg-dry** Analysis Date: **2/3/2024 03:37 AM**
Client ID: Run ID: **VMS11_240202B** SeqNo: **10448426** Prep Date: **2/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	100								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Dibromochloromethane	U	30								
Ethylbenzene	U	30								
Methyl tert-butyl ether	U	30								
Methylene chloride	U	250								
Styrene	U	30								
Tetrachloroethene	U	30								
Toluene	U	30								
trans-1,2-Dichloroethene	U	30								
trans-1,3-Dichloropropene	U	30								
Trichloroethene	U	30								
Vinyl acetate	U	250								
Vinyl chloride	U	30								
1,3-Dichloropropene, Total	U	60								
Xylenes, Total	U	90								
Surr: 1,2-Dichloroethane-d4	*1026*	0	*1000*	0	*103*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*986*	0	*1000*	0	*98.6*	*80-120*	0			
Surr: Dibromofluoromethane	*955*	0	*1000*	0	*95.5*	*80-120*	0			
Surr: Toluene-d8	*997*	0	*1000*	0	*99.7*	*80-120*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234393** Instrument ID **VMS11** Method: **SW8260D**

LCS	Sample ID: **LCS-234393-234393**				Units: **µg/Kg-dry**		Analysis Date: **2/3/2024 02:30 AM**			
Client ID:		Run ID: **VMS11_240202B**			SeqNo: **10448424**		Prep Date: **2/2/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	949.5	30	1000	0	95	75-121	0			
1,1,2,2-Tetrachloroethane	1082	30	1000	0	108	79-125	0			
1,1,2-Trichloroethane	1044	30	1000	0	104	80-123	0			
1,1-Dichloroethane	1140	30	1000	0	114	74-124	0			
1,1-Dichloroethene	1138	30	1000	0	114	68-131	0			
1,2-Dichloroethane	1023	30	1000	0	102	70-130	0			
1,2-Dichloropropane	1120	30	1000	0	112	71-130	0			
2-Butanone	952.5	200	1000	0	95.2	47-164	0			
2-Hexanone	1002	30	1000	0	100	70-137	0			
4-Methyl-2-pentanone	1310	30	1000	0	131	57-200	0			
Acetone	1050	100	1000	0	105	52-190	0			
Benzene	1094	30	1000	0	109	78-122	0			
Bromodichloromethane	992.5	30	1000	0	99.2	75-125	0			
Bromoform	752	30	1000	0	75.2	59-120	0			
Bromomethane	781	100	1000	0	78.1	31-169	0			
Carbon disulfide	1142	30	1000	0	114	60-163	0			
Carbon tetrachloride	941.5	30	1000	0	94.2	69-123	0			
Chlorobenzene	1010	30	1000	0	101	79-120	0			
Chloroethane	847	100	1000	0	84.7	38-132	0			
Chloroform	1107	30	1000	0	111	72-122	0			
Chloromethane	734	100	1000	0	73.4	24-119	0			
cis-1,2-Dichloroethene	1112	30	1000	0	111	74-125	0			
cis-1,3-Dichloropropene	917.5	30	1000	0	91.8	62-124	0			
Dibromochloromethane	866.5	30	1000	0	86.6	57-123	0			
Ethylbenzene	1072	30	1000	0	107	75-121	0			
Methyl tert-butyl ether	993	30	1000	0	99.3	79-139	0			
Methylene chloride	1132	250	1000	0	113	62-135	0			
Styrene	1078	30	1000	0	108	74-126	0			
Tetrachloroethene	1048	30	1000	0	105	76-128	0			
Toluene	1030	30	1000	0	103	76-120	0			
trans-1,2-Dichloroethene	1122	30	1000	0	112	72-127	0			
trans-1,3-Dichloropropene	920.5	30	1000	0	92	66-120	0			
Trichloroethene	972.5	30	1000	0	97.2	75-122	0			
Vinyl chloride	786.5	30	1000	0	78.6	43-128	0			
1,3-Dichloropropene, Total	1838	60	2000	0	91.9	62-124	0			
Xylenes, Total	3201	90	3000	0	107	67-129	0			
Surr: 1,2-Dichloroethane-d4	*1022*	0	*1000*	0	*102*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*998.5*	0	*1000*	0	*99.8*	*80-120*	0			
Surr: Dibromofluoromethane	*957.5*	0	*1000*	0	*95.8*	*80-120*	0			
Surr: Toluene-d8	*1033*	0	*1000*	0	*103*	*80-120*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234393** Instrument ID **VMS11** Method: **SW8260D**

MS	Sample ID: **24020065-02B MS**				Units: **µg/Kg-dry**		Analysis Date: **2/3/2024 11:29 AM**			
Client ID:		Run ID: **VMS11_240202B**			SeqNo: **10448447**		Prep Date: **2/2/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1156	36	1194	0	96.8	75-121	0			
1,1,2,2-Tetrachloroethane	943.3	36	1194	0	79	79-125	0			S
1,1,2-Trichloroethane	1257	36	1194	0	105	80-123	0			
1,1-Dichloroethane	1464	36	1194	0	123	74-124	0			
1,1-Dichloroethene	1514	36	1194	0	127	68-131	0			
1,2-Dichloroethane	1306	36	1194	0	109	70-130	0			
1,2-Dichloropropane	1372	36	1194	0	115	71-130	0			
2-Butanone	1927	240	1194	0	161	47-164	0			
2-Hexanone	1589	36	1194	0	133	70-137	0			
4-Methyl-2-pentanone	1357	36	1194	0	114	57-200	0			
Acetone	3021	120	1194	0	253	52-190	0			S
Benzene	1373	36	1194	0	115	78-122	0			
Bromodichloromethane	1161	36	1194	0	97.2	75-125	0			
Bromoform	883.6	36	1194	0	74	59-120	0			
Bromomethane	905.7	120	1194	0	75.8	31-169	0			
Carbon disulfide	1435	36	1194	0	120	60-163	0			
Carbon tetrachloride	1124	36	1194	0	94.1	69-123	0			
Chlorobenzene	1284	36	1194	0	108	79-120	0			
Chloroethane	1068	120	1194	0	89.4	38-132	0			
Chloroform	1376	36	1194	0	115	72-122	0			
Chloromethane	983.9	120	1194	0	82.4	24-119	0			
cis-1,2-Dichloroethene	1402	36	1194	0	117	74-125	0			
cis-1,3-Dichloropropene	1051	36	1194	0	88	62-124	0			
Dibromochloromethane	982.2	36	1194	0	82.2	57-123	0			
Ethylbenzene	1363	36	1194	0	114	75-121	0			
Methyl tert-butyl ether	1262	36	1194	0	106	79-139	0			
Methylene chloride	1560	300	1194	0	131	62-135	0			
Styrene	1337	36	1194	0	112	74-126	0			
Tetrachloroethene	2286	36	1194	0	191	76-128	0			S
Toluene	1299	36	1194	0	109	76-120	0			
trans-1,2-Dichloroethene	1468	36	1194	0	123	72-127	0			
trans-1,3-Dichloropropene	1010	36	1194	0	84.5	66-120	0			
Trichloroethene	1423	36	1194	0	119	75-122	0			
Vinyl chloride	1069	36	1194	0	89.5	43-128	0			
1,3-Dichloropropene, Total	2061	72	2388	0	86.3	62-124	0			
Xylenes, Total	4030	110	3582	0	112	67-129	0			
Surr: 1,2-Dichloroethane-d4	*1137*	0	*1194*	0	*95.3*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*1231*	0	*1194*	0	*103*	*80-120*	0			
Surr: Dibromofluoromethane	*1107*	0	*1194*	0	*92.7*	*80-120*	0			
Surr: Toluene-d8	*1272*	0	*1194*	0	*107*	*80-120*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234393** Instrument ID **VMS11** Method: **SW8260D**

MSD	Sample ID: **24020065-02B MSD**				Units: **µg/Kg-dry**		Analysis Date: **2/3/2024 11:52 AM**			
Client ID:		Run ID: **VMS11_240202B**			SeqNo: **10448448**		Prep Date: **2/2/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1162	36	1194	0	97.3	75-121	1156	0.515	30	
1,1,2,2-Tetrachloroethane	938	36	1194	0	78.5	79-125	943.3	0.571	30	S
1,1,2-Trichloroethane	1301	36	1194	0	109	80-123	1257	3.45	30	
1,1-Dichloroethane	1492	36	1194	0	125	74-124	1464	1.9	30	S
1,1-Dichloroethene	1511	36	1194	0	127	68-131	1514	0.158	30	
1,2-Dichloroethane	1276	36	1194	0	107	70-130	1306	2.27	30	
1,2-Dichloropropane	1385	36	1194	0	116	71-130	1372	0.91	30	
2-Butanone	1971	240	1194	0	165	47-164	1927	2.24	30	S
2-Hexanone	1562	36	1194	0	131	70-137	1589	1.71	30	
4-Methyl-2-pentanone	1352	36	1194	0	113	57-200	1357	0.396	30	
Acetone	2915	120	1194	0	244	52-190	3021	3.56	30	S
Benzene	1355	36	1194	0	113	78-122	1373	1.36	30	
Bromodichloromethane	1171	36	1194	0	98	75-125	1161	0.871	30	
Bromoform	917.1	36	1194	0	76.8	59-120	883.6	3.71	30	
Bromomethane	877.7	120	1194	0	73.5	31-169	905.7	3.15	30	
Carbon disulfide	1473	36	1194	0	123	60-163	1435	2.63	30	
Carbon tetrachloride	1149	36	1194	0	96.2	69-123	1124	2.21	30	
Chlorobenzene	1274	36	1194	0	107	79-120	1284	0.84	30	
Chloroethane	1010	120	1194	0	84.5	38-132	1068	5.58	30	
Chloroform	1430	36	1194	0	120	72-122	1376	3.83	30	
Chloromethane	1002	120	1194	0	83.9	24-119	983.9	1.8	30	
cis-1,2-Dichloroethene	1447	36	1194	0	121	74-125	1402	3.1	30	
cis-1,3-Dichloropropene	1095	36	1194	0	91.7	62-124	1051	4.06	30	
Dibromochloromethane	988.1	36	1194	0	82.7	57-123	982.2	0.606	30	
Ethylbenzene	1370	36	1194	0	115	75-121	1363	0.48	30	
Methyl tert-butyl ether	1276	36	1194	0	107	79-139	1262	1.13	30	
Methylene chloride	1543	300	1194	0	129	62-135	1560	1.12	30	
Styrene	1322	36	1194	0	111	74-126	1337	1.08	30	
Tetrachloroethene	2291	36	1194	0	192	76-128	2286	0.235	30	S
Toluene	1298	36	1194	0	109	76-120	1299	0.0454	30	
trans-1,2-Dichloroethene	1506	36	1194	0	126	72-127	1468	2.61	30	
trans-1,3-Dichloropropene	1056	36	1194	0	88.4	66-120	1010	4.51	30	
Trichloroethene	1461	36	1194	0	122	75-122	1423	2.61	30	S
Vinyl chloride	1065	36	1194	0	89.2	43-128	1069	0.336	30	
1,3-Dichloropropene, Total	2151	72	2388	0	90.1	62-124	2061	4.28	30	
Xylenes, Total	4053	110	3582	0	113	67-129	4030	0.576	30	
Surr: 1,2-Dichloroethane-d4	*1145*	0	*1194*	0	*95.9*	*80-120*	1137	*0.68*	*30*	
Surr: 4-Bromofluorobenzene	*1154*	0	*1194*	0	*96.6*	*80-120*	1231	*6.51*	*30*	
Surr: Dibromofluoromethane	*1099*	0	*1194*	0	*92*	*80-120*	1107	*0.758*	*30*	
Surr: Toluene-d8	*1219*	0	*1194*	0	*102*	*80-120*	1272	*4.22*	*30*	

The following samples were analyzed in this batch: 24020041-03A 24020041-04A 24020041-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R395730a** Instrument ID **VMS8** Method: **SW8260D**

MBLK Sample ID: **8V-BLKS1-240205-R395730a** Units: **µg/Kg** Analysis Date: **2/5/2024 01:51 PM**
Client ID: Run ID: **VMS8_240205A** SeqNo: **10453051** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	25								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	5.0								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	U	5.0								
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
Ethylbenzene	U	5.0								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	U	5.0								
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								
Vinyl acetate	U	20								
Vinyl chloride	U	5.0								
1,3-Dichloropropene, Total	U	15								
Xylenes, Total	U	5.0								
Surr: 1,2-Dichloroethane-d4	*19.92*	0	*20*	0	*99.6*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.93*	0	*20*	0	*99.6*	*83-111*	0			
Surr: Dibromofluoromethane	*21*	0	*20*	0	*105*	*77-125*	0			
Surr: Toluene-d8	*20.26*	0	*20*	0	*101*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395730a** Instrument ID **VMS8** Method: **SW8260D**

LCS	Sample ID: **8V-LCSS1-240205-R395730a**				Units: **µg/Kg**		Analysis Date: **2/5/2024 01:15 PM**			
Client ID:	Run ID: **VMS8_240205A**				SeqNo: **10453050**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.35	5.0	20	0	107	73-138	0			
1,1,2,2-Tetrachloroethane	20.63	5.0	20	0	103	71-126	0			
1,1,2-Trichloroethane	19.9	5.0	20	0	99.5	77-123	0			
1,1-Dichloroethane	22.32	5.0	20	0	112	63-148	0			
1,1-Dichloroethene	24.26	5.0	20	0	121	67-156	0			
1,2-Dichloroethane	18.97	5.0	20	0	94.8	77-127	0			
1,2-Dichloropropane	21.28	5.0	20	0	106	74-130	0			
2-Butanone	25.76	10	20	0	129	55-132	0			
2-Hexanone	28.42	5.0	20	0	142	55-124	0			S
4-Methyl-2-pentanone	23.48	5.0	20	0	117	67-159	0			
Acetone	30.82	25	20	0	154	31-156	0			
Benzene	21.57	5.0	20	0	108	77-133	0			
Bromodichloromethane	20.46	5.0	20	0	102	69-133	0			
Bromoform	16.45	5.0	20	0	82.2	55-126	0			
Bromomethane	25.36	10	20	0	127	31-174	0			
Carbon disulfide	28.48	5.0	20	0	142	45-160	0			
Carbon tetrachloride	20.6	5.0	20	0	103	69-140	0			
Chlorobenzene	20.96	5.0	20	0	105	76-130	0			
Chloroethane	20.17	5.0	20	0	101	53-150	0			
Chloroform	20.5	5.0	20	0	102	72-132	0			
Chloromethane	13.68	10	20	0	68.4	43-150	0			
cis-1,2-Dichloroethene	22.14	5.0	20	0	111	74-134	0			
cis-1,3-Dichloropropene	18.82	5.0	20	0	94.1	62-134	0			
Dibromochloromethane	17.51	5.0	20	0	87.6	57-118	0			
Ethylbenzene	21.87	5.0	20	0	109	75-133	0			
Methyl tert-butyl ether	20.08	5.0	20	0	100	62-136	0			
Methylene chloride	22.38	10	20	0	112	55-157	0			
Styrene	21.93	5.0	20	0	110	72-138	0			
Tetrachloroethene	23.6	5.0	20	0	118	70-171	0			
Toluene	21.11	5.0	20	0	106	76-130	0			
trans-1,2-Dichloroethene	23.78	5.0	20	0	119	65-137	0			
trans-1,3-Dichloropropene	19.2	5.0	20	0	96	58-126	0			
Trichloroethene	21.5	5.0	20	0	108	75-135	0			
Vinyl chloride	17.2	5.0	20	0	86	57-143	0			
1,3-Dichloropropene, Total	38.02	15	40	0	95	70-130	0			
Xylenes, Total	61.66	5.0	60	0	103	75-132	0			
Surr: 1,2-Dichloroethane-d4	*19.68*	0	*20*	0	*98.4*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.72*	0	*20*	0	*98.6*	*83-111*	0			
Surr: Dibromofluoromethane	*20.79*	0	*20*	0	*104*	*77-125*	0			
Surr: Toluene-d8	*20.44*	0	*20*	0	*102*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395730a** Instrument ID **VMS8** Method: **SW8260D**

MS Sample ID: **24020041-08A MS** Units: **µg/Kg** Analysis Date: **2/5/2024 08:59 PM**
Client ID: **Kendy-170-B04 (0-2)** Run ID: **VMS8_240205A** SeqNo: **10453086** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.73	5.0	20	0	109	73-138	0			
1,1,2,2-Tetrachloroethane	15.22	5.0	20	0	76.1	71-126	0			
1,1,2-Trichloroethane	18.14	5.0	20	0	90.7	77-123	0			
1,1-Dichloroethane	23.44	5.0	20	0	117	63-148	0			
1,1-Dichloroethene	26.07	5.0	20	0	130	67-156	0			
1,2-Dichloroethane	17.78	5.0	20	0	88.9	77-127	0			
1,2-Dichloropropane	21.38	5.0	20	0	107	74-130	0			
2-Butanone	36.93	10	20	2.364	173	55-132	0			S
2-Hexanone	24.71	5.0	20	0	124	55-124	0			
4-Methyl-2-pentanone	21.34	5.0	20	0	107	67-159	0			
Acetone	104.1	25	20	22.13	410	31-156	0			SE
Benzene	21.15	5.0	20	0.6993	102	77-133	0			
Bromodichloromethane	18.69	5.0	20	0	93.4	69-133	0			
Bromoform	11.93	5.0	20	0	59.6	55-126	0			
Bromomethane	29.75	10	20	0	149	31-174	0			
Carbon disulfide	25.01	5.0	20	0.4551	123	45-160	0			
Carbon tetrachloride	19.45	5.0	20	0	97.2	69-140	0			
Chlorobenzene	16.85	5.0	20	0	84.2	76-130	0			
Chloroethane	21.42	5.0	20	0	107	53-150	0			
Chloroform	21.99	5.0	20	0	110	72-132	0			
Chloromethane	14.01	10	20	0	70	43-150	0			
cis-1,2-Dichloroethene	22.19	5.0	20	0	111	74-134	0			
cis-1,3-Dichloropropene	15.77	5.0	20	0	78.8	62-134	0			
Dibromochloromethane	15.33	5.0	20	0	76.6	57-118	0			
Ethylbenzene	17.62	5.0	20	0	88.1	75-133	0			
Methyl tert-butyl ether	23.04	5.0	20	0	115	62-136	0			
Methylene chloride	27.48	10	20	0.8436	133	55-157	0			
Styrene	14.85	5.0	20	0	74.2	72-138	0			
Tetrachloroethene	29.73	5.0	20	0	149	70-171	0			
Toluene	19.34	5.0	20	0	96.7	76-130	0			
trans-1,2-Dichloroethene	22.6	5.0	20	0	113	65-137	0			
trans-1,3-Dichloropropene	14	5.0	20	0	70	58-126	0			
Trichloroethene	20.07	5.0	20	0	100	75-135	0			
Vinyl chloride	19.71	5.0	20	0	98.6	57-143	0			
1,3-Dichloropropene, Total	29.77	15	40	0	74.4	70-130	0			
Xylenes, Total	50.93	5.0	60	0	84.9	75-132	0			
Surr: 1,2-Dichloroethane-d4	*20.86*	0	*20*	0	*104*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*20.05*	0	*20*	0	*100*	*83-111*	0			
Surr: Dibromofluoromethane	*21.08*	0	*20*	0	*105*	*77-125*	0			
Surr: Toluene-d8	*20.46*	0	*20*	0	*102*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395730a** Instrument ID **VMS8** Method: **SW8260D**

MSD	Sample ID: **24020041-08A MSD**				Units: **µg/Kg**		Analysis Date: **2/5/2024 09:17 PM**			
Client ID: **Kendy-170-B04 (0-2)**	Run ID: **VMS8_240205A**				SeqNo: **10453087**		Prep Date:		DF: **0.98**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.98	4.9	19.6	0	96.8	73-138	21.73	13.5	30	
1,1,2,2-Tetrachloroethane	16.78	4.9	19.6	0	85.6	71-126	15.22	9.74	30	
1,1,2-Trichloroethane	19.89	4.9	19.6	0	102	77-123	18.14	9.22	30	
1,1-Dichloroethane	21.06	4.9	19.6	0	107	63-148	23.44	10.7	30	
1,1-Dichloroethene	20.24	4.9	19.6	0	103	67-156	26.07	25.2	30	
1,2-Dichloroethane	18.46	4.9	19.6	0	94.2	77-127	17.78	3.77	30	
1,2-Dichloropropane	21.49	4.9	19.6	0	110	74-130	21.38	0.52	30	
2-Butanone	38.93	9.8	19.6	2.364	187	55-132	36.93	5.26	30	S
2-Hexanone	30.31	4.9	19.6	0	155	55-124	24.71	20.4	30	S
4-Methyl-2-pentanone	24.33	4.9	19.6	0	124	67-159	21.34	13.1	30	
Acetone	90.39	24	19.6	22.13	348	31-156	104.1	14.1	30	S
Benzene	19.31	4.9	19.6	0.6993	94.9	77-133	21.15	9.12	30	
Bromodichloromethane	20.91	4.9	19.6	0	107	69-133	18.69	11.2	30	
Bromoform	14.84	4.9	19.6	0	75.7	55-126	11.93	21.7	30	
Bromomethane	25.76	9.8	19.6	0	131	31-174	29.75	14.4	30	
Carbon disulfide	20.37	4.9	19.6	0.4551	102	45-160	25.01	20.4	30	
Carbon tetrachloride	17.28	4.9	19.6	0	88.2	69-140	19.45	11.8	30	
Chlorobenzene	16.91	4.9	19.6	0	86.3	76-130	16.85	0.384	30	
Chloroethane	17.68	4.9	19.6	0	90.2	53-150	21.42	19.1	30	
Chloroform	21.41	4.9	19.6	0	109	72-132	21.99	2.66	30	
Chloromethane	12.03	9.8	19.6	0	61.4	43-150	14.01	15.2	30	
cis-1,2-Dichloroethene	21.12	4.9	19.6	0	108	74-134	22.19	4.95	30	
cis-1,3-Dichloropropene	17.6	4.9	19.6	0	89.8	62-134	15.77	11	30	
Dibromochloromethane	17.22	4.9	19.6	0	87.8	57-118	15.33	11.6	30	
Ethylbenzene	16.82	4.9	19.6	0	85.8	75-133	17.62	4.66	30	
Methyl tert-butyl ether	25.03	4.9	19.6	0	128	62-136	23.04	8.28	30	
Methylene chloride	25.66	9.8	19.6	0.8436	127	55-157	27.48	6.86	30	
Styrene	16.1	4.9	19.6	0	82.2	72-138	14.85	8.09	30	
Tetrachloroethene	27.25	4.9	19.6	0	139	70-171	29.73	8.69	30	
Toluene	17.32	4.9	19.6	0	88.4	76-130	19.34	11	30	
trans-1,2-Dichloroethene	19.49	4.9	19.6	0	99.4	65-137	22.6	14.8	30	
trans-1,3-Dichloropropene	16.91	4.9	19.6	0	86.3	58-126	14	18.9	30	
Trichloroethene	18.21	4.9	19.6	0	92.9	75-135	20.07	9.73	30	
Vinyl chloride	15.6	4.9	19.6	0	79.6	57-143	19.71	23.3	30	
1,3-Dichloropropene, Total	34.52	15	39.2	0	88	70-130	29.77	14.8	30	
Xylenes, Total	48.76	4.9	58.8	0	82.9	75-132	50.93	4.34	30	
Surr: 1,2-Dichloroethane-d4	*20.75*	0	*19.6*	0	*106*	*83-132*	20.86	*0.545*	*30*	
Surr: 4-Bromofluorobenzene	*19.71*	0	*19.6*	0	*101*	*83-111*	20.05	*1.72*	*30*	
Surr: Dibromofluoromethane	*20.55*	0	*19.6*	0	*105*	*77-125*	21.08	*2.54*	*30*	
Surr: Toluene-d8	*19.44*	0	*19.6*	0	*99.2*	*86-108*	20.46	*5.1*	*30*	

The following samples were analyzed in this batch:

24020041-01A	24020041-02A	24020041-06A
24020041-08A	24020041-09A	24020041-10A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R395992a** Instrument ID **VMS8** Method: **SW8260D**

MBLK Sample ID: **8V-BLKS2-240208-R395992a** Units: **µg/Kg** Analysis Date: **2/8/2024 08:18 PM**
Client ID: Run ID: **VMS8_240208A** SeqNo: **10465352** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	25								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	5.0								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	U	5.0								
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
Ethylbenzene	U	5.0								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	U	5.0								
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								
Vinyl acetate	U	20								
Vinyl chloride	U	5.0								
1,3-Dichloropropene, Total	U	15								
Xylenes, Total	U	5.0								
Surr: 1,2-Dichloroethane-d4	*19.59*	0	*20*	0	*98*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*20.29*	0	*20*	0	*101*	*83-111*	0			
Surr: Dibromofluoromethane	*20.9*	0	*20*	0	*104*	*77-125*	0			
Surr: Toluene-d8	*19.93*	0	*20*	0	*99.6*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395992a** Instrument ID **VMS8** Method: **SW8260D**

LCS	Sample ID: **8V-LCSS2-240208-R395992a**				Units: **µg/Kg**			Analysis Date: **2/8/2024 07:41 PM**			
Client ID:		Run ID: **VMS8_240208A**			SeqNo: **10465350**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.43	5.0	20	0	112	73-138	0			
1,1,2,2-Tetrachloroethane	21.81	5.0	20	0	109	71-126	0			
1,1,2-Trichloroethane	20.9	5.0	20	0	104	77-123	0			
1,1-Dichloroethane	20.89	5.0	20	0	104	63-148	0			
1,1-Dichloroethene	24.71	5.0	20	0	124	67-156	0			
1,2-Dichloroethane	20.04	5.0	20	0	100	77-127	0			
1,2-Dichloropropane	20.67	5.0	20	0	103	74-130	0			
2-Butanone	20.52	10	20	0	103	55-132	0			
2-Hexanone	24.44	5.0	20	0	122	55-124	0			
4-Methyl-2-pentanone	30.43	5.0	20	0	152	67-159	0			
Acetone	15.88	25	20	0	79.4	31-156	0			J
Benzene	22.48	5.0	20	0	112	77-133	0			
Bromodichloromethane	21.22	5.0	20	0	106	69-133	0			
Bromoform	19.35	5.0	20	0	96.8	55-126	0			
Bromomethane	26.49	10	20	0	132	31-174	0			
Carbon disulfide	25.24	5.0	20	0	126	45-160	0			
Carbon tetrachloride	21.53	5.0	20	0	108	69-140	0			
Chlorobenzene	21.62	5.0	20	0	108	76-130	0			
Chloroethane	19.11	5.0	20	0	95.6	53-150	0			
Chloroform	20.11	5.0	20	0	101	72-132	0			
Chloromethane	18.1	10	20	0	90.5	43-150	0			
cis-1,2-Dichloroethene	21.21	5.0	20	0	106	74-134	0			
cis-1,3-Dichloropropene	19.45	5.0	20	0	97.2	62-134	0			
Dibromochloromethane	19.55	5.0	20	0	97.8	57-118	0			
Ethylbenzene	21.54	5.0	20	0	108	75-133	0			
Methyl tert-butyl ether	22.24	5.0	20	0	111	62-136	0			
Methylene chloride	20.12	10	20	0	101	55-157	0			
Styrene	22.31	5.0	20	0	112	72-138	0			
Tetrachloroethene	24.93	5.0	20	0	125	70-171	0			
Toluene	21.33	5.0	20	0	107	76-130	0			
trans-1,2-Dichloroethene	21.82	5.0	20	0	109	65-137	0			
trans-1,3-Dichloropropene	19.52	5.0	20	0	97.6	58-126	0			
Trichloroethene	21.99	5.0	20	0	110	75-135	0			
Vinyl chloride	21.72	5.0	20	0	109	57-143	0			
1,3-Dichloropropene, Total	38.97	15	40	0	97.4	70-130	0			
Xylenes, Total	63.84	5.0	60	0	106	75-132	0			
Surr: 1,2-Dichloroethane-d4	*20.2*	0	*20*	0	*101*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*20.56*	0	*20*	0	*103*	*83-111*	0			
Surr: Dibromofluoromethane	*20.22*	0	*20*	0	*101*	*77-125*	0			
Surr: Toluene-d8	*19.63*	0	*20*	0	*98.2*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395992a** Instrument ID **VMS8** Method: **SW8260D**

MS Sample ID: **24020041-11A MS** Units: **µg/Kg** Analysis Date: **2/9/2024 02:59 AM**
Client ID: **Kendy-170-B16 (0-2)** Run ID: **VMS8_240208A** SeqNo: **10465371** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.8	5.0	20	0	99	73-138	0			
1,1,2,2-Tetrachloroethane	15.25	5.0	20	0	76.2	71-126	0			
1,1,2-Trichloroethane	17.52	5.0	20	0	87.6	77-123	0			
1,1-Dichloroethane	21.15	5.0	20	0	106	63-148	0			
1,1-Dichloroethene	24.38	5.0	20	0	122	67-156	0			
1,2-Dichloroethane	17.83	5.0	20	0	89.2	77-127	0			
1,2-Dichloropropane	19.55	5.0	20	0	97.8	74-130	0			
2-Butanone	13.89	10	20	0	69.4	55-132	0			
2-Hexanone	11.5	5.0	20	0	57.5	55-124	0			
4-Methyl-2-pentanone	17.1	5.0	20	0	85.5	67-159	0			
Acetone	122.8	25	20	0	614	31-156	0			SE
Benzene	19.3	5.0	20	0	96.5	77-133	0			
Bromodichloromethane	18.84	5.0	20	0	94.2	69-133	0			
Bromoform	13.4	5.0	20	0	67	55-126	0			
Bromomethane	14.97	10	20	0	74.8	31-174	0			
Carbon disulfide	23.43	5.0	20	0	117	45-160	0			
Carbon tetrachloride	19.46	5.0	20	0	97.3	69-140	0			
Chlorobenzene	16.12	5.0	20	0	80.6	76-130	0			
Chloroethane	24.52	5.0	20	0	123	53-150	0			
Chloroform	19.87	5.0	20	0	99.4	72-132	0			
Chloromethane	13.98	10	20	0	69.9	43-150	0			
cis-1,2-Dichloroethene	20.44	5.0	20	0	102	74-134	0			
cis-1,3-Dichloropropene	15.58	5.0	20	0	77.9	62-134	0			
Dibromochloromethane	16.14	5.0	20	0	80.7	57-118	0			
Ethylbenzene	16.41	5.0	20	0	82	75-133	0			
Methyl tert-butyl ether	22.13	5.0	20	0	111	62-136	0			
Methylene chloride	20.29	10	20	0	101	55-157	0			
Styrene	15.33	5.0	20	0	76.6	72-138	0			
Tetrachloroethene	19.89	5.0	20	0	99.4	70-171	0			
Toluene	18.38	5.0	20	0	91.9	76-130	0			
trans-1,2-Dichloroethene	20.66	5.0	20	0	103	65-137	0			
trans-1,3-Dichloropropene	14.02	5.0	20	0	70.1	58-126	0			
Trichloroethene	19.18	5.0	20	0	95.9	75-135	0			
Vinyl chloride	22.4	5.0	20	0	112	57-143	0			
1,3-Dichloropropene, Total	29.6	15	40	0	74	70-130	0			
Xylenes, Total	48	5.0	60	0	80	75-132	0			
Surr: 1,2-Dichloroethane-d4	*22.12*	0	*20*	0	*111*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*20.67*	0	*20*	0	*103*	*83-111*	0			
Surr: Dibromofluoromethane	*20.69*	0	*20*	0	*103*	*77-125*	0			
Surr: Toluene-d8	*19.59*	0	*20*	0	*98*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395992a** Instrument ID **VMS8** Method: **SW8260D**

MSD Sample ID: **24020041-11A MSD** Units: **µg/Kg** Analysis Date: **2/9/2024 03:17 AM**
Client ID: **Kendy-170-B16 (0-2)** Run ID: **VMS8_240208A** SeqNo: **10465372** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.91	5.0	20	0	105	73-138	19.8	5.45	30	
1,1,2,2-Tetrachloroethane	14.52	5.0	20	0	72.6	71-126	15.25	4.9	30	
1,1,2-Trichloroethane	16.93	5.0	20	0	84.6	77-123	17.52	3.43	30	
1,1-Dichloroethane	21.94	5.0	20	0	110	63-148	21.15	3.67	30	
1,1-Dichloroethene	24.59	5.0	20	0	123	67-156	24.38	0.858	30	
1,2-Dichloroethane	18.27	5.0	20	0	91.4	77-127	17.83	2.44	30	
1,2-Dichloropropane	20.1	5.0	20	0	100	74-130	19.55	2.77	30	
2-Butanone	13.56	10	20	0	67.8	55-132	13.89	2.4	30	
2-Hexanone	12.22	5.0	20	0	61.1	55-124	11.5	6.07	30	
4-Methyl-2-pentanone	16.31	5.0	20	0	81.6	67-159	17.1	4.73	30	
Acetone	101.6	25	20	0	508	31-156	122.8	18.8	30	SE
Benzene	20.44	5.0	20	0	102	77-133	19.3	5.74	30	
Bromodichloromethane	19.91	5.0	20	0	99.6	69-133	18.84	5.52	30	
Bromoform	13.65	5.0	20	0	68.2	55-126	13.4	1.85	30	
Bromomethane	17.16	10	20	0	85.8	31-174	14.97	13.6	30	
Carbon disulfide	22.85	5.0	20	0	114	45-160	23.43	2.51	30	
Carbon tetrachloride	19.61	5.0	20	0	98	69-140	19.46	0.768	30	
Chlorobenzene	17.05	5.0	20	0	85.2	76-130	16.12	5.61	30	
Chloroethane	28.35	5.0	20	0	142	53-150	24.52	14.5	30	
Chloroform	21.06	5.0	20	0	105	72-132	19.87	5.81	30	
Chloromethane	15.78	10	20	0	78.9	43-150	13.98	12.1	30	
cis-1,2-Dichloroethene	20.96	5.0	20	0	105	74-134	20.44	2.51	30	
cis-1,3-Dichloropropene	16.87	5.0	20	0	84.4	62-134	15.58	7.95	30	
Dibromochloromethane	16.77	5.0	20	0	83.8	57-118	16.14	3.83	30	
Ethylbenzene	16.89	5.0	20	0	84.4	75-133	16.41	2.88	30	
Methyl tert-butyl ether	22.73	5.0	20	0	114	62-136	22.13	2.67	30	
Methylene chloride	20.24	10	20	0	101	55-157	20.29	0.247	30	
Styrene	17.28	5.0	20	0	86.4	72-138	15.33	12	30	
Tetrachloroethene	20.56	5.0	20	0	103	70-171	19.89	3.31	30	
Toluene	18.15	5.0	20	0	90.8	76-130	18.38	1.26	30	
trans-1,2-Dichloroethene	21.34	5.0	20	0	107	65-137	20.66	3.24	30	
trans-1,3-Dichloropropene	14.91	5.0	20	0	74.6	58-126	14.02	6.15	30	
Trichloroethene	19.7	5.0	20	0	98.5	75-135	19.18	2.67	30	
Vinyl chloride	22.08	5.0	20	0	110	57-143	22.4	1.44	30	
1,3-Dichloropropene, Total	31.78	15	40	0	79.4	70-130	29.6	7.1	30	
Xylenes, Total	50.87	5.0	60	0	84.8	75-132	48	5.81	30	
Surr: 1,2-Dichloroethane-d4	*22.19*	0	*20*	0	*111*	*83-132*	22.12	*0.316*	*30*	
Surr: 4-Bromofluorobenzene	*19.8*	0	*20*	0	*99*	*83-111*	20.67	*4.3*	*30*	
Surr: Dibromofluoromethane	*20.84*	0	*20*	0	*104*	*77-125*	20.69	*0.722*	*30*	
Surr: Toluene-d8	*19.39*	0	*20*	0	*97*	*86-108*	19.59	*1.03*	*30*	

The following samples were analyzed in this batch: 24020041-07A 24020041-08A 24020041-11A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234377** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-234377-234377** Units: **s.u.** Analysis Date: **2/2/2024 08:48 AM**
Client ID: Run ID: **WETCHEM_240202A** SeqNo: **10445292** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	4	0.10	4	0	100	90-110	0			

DUP Sample ID: **24020041-01B DUP** Units: **s.u.** Analysis Date: **2/2/2024 08:48 AM**
Client ID: **Kendy-170-B01 (0-2)** Run ID: **WETCHEM_240202A** SeqNo: **10445296** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.24	0.10	0	0	0	0-0	8.27	0.363	20	
Temperature	20.7	0.10	0	0	0		20.7	0		

DUP Sample ID: **24020041-11B DUP** Units: **s.u.** Analysis Date: **2/2/2024 08:48 AM**
Client ID: **Kendy-170-B16 (0-2)** Run ID: **WETCHEM_240202A** SeqNo: **10445307** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.86	0.10	0	0	0	0-0	6.84	0.292	20	
Temperature	20.7	0.10	0	0	0		20.6	0.484		

The following samples were analyzed in this batch:

24020041-01B	24020041-02B	24020041-03B
24020041-04B	24020041-05B	24020041-06B
24020041-07B	24020041-08B	24020041-09B
24020041-10B	24020041-11B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234459** Instrument ID **IC4** Method: **SW9056A**

MBLK Sample ID: **MBLK-234459-234459** Units: **mg/Kg** Analysis Date: **2/4/2024 01:43 PM**
Client ID: Run ID: **IC4_240204A** SeqNo: **10453286** Prep Date: **2/4/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	U	10								

LCS Sample ID: **LCS-234459-234459** Units: **mg/Kg** Analysis Date: **2/4/2024 01:52 PM**
Client ID: Run ID: **IC4_240204A** SeqNo: **10453287** Prep Date: **2/4/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	97.44	10	100	0	97.4	87-110	0			

MS Sample ID: **24011974-01A MS** Units: **mg/Kg** Analysis Date: **2/4/2024 02:12 PM**
Client ID: Run ID: **IC4_240204A** SeqNo: **10453289** Prep Date: **2/4/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	104.6	10	99.6	12.03	92.9	87-110	0			

MSD Sample ID: **24011974-01A MSD** Units: **mg/Kg** Analysis Date: **2/4/2024 02:22 PM**
Client ID: Run ID: **IC4_240204A** SeqNo: **10453290** Prep Date: **2/4/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	104.1	9.9	99.4	12.03	92.7	87-110	104.6	0.435	15	

The following samples were analyzed in this batch: 24020041-10B 24020041-11B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **234553** Instrument ID **LACHAT2** Method: **SW9012B**

MBLK	Sample ID: **MBLK-234553-234553**				Units: **mg/Kg**			Analysis Date: **2/6/2024 11:21 AM**			
Client ID:	Run ID: **LACHAT2_240206A**				SeqNo: **10454323**			Prep Date: **2/6/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Total	U	0.030								

LCS	Sample ID: **LCS-234553-234553**				Units: **mg/Kg**			Analysis Date: **2/6/2024 11:22 AM**			
Client ID:	Run ID: **LACHAT2_240206A**				SeqNo: **10454324**			Prep Date: **2/6/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Total	1.595	0.030	1.5	0	106	88-114	0			

MS	Sample ID: **24020158-03B MS**				Units: **mg/Kg**			Analysis Date: **2/6/2024 11:32 AM**			
Client ID:	Run ID: **LACHAT2_240206A**				SeqNo: **10454335**			Prep Date: **2/6/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Total	4.488	0.060	3	2.052	81.2	88-114	0			S

MSD	Sample ID: **24020158-03B MSD**				Units: **mg/Kg**			Analysis Date: **2/6/2024 11:33 AM**			
Client ID:	Run ID: **LACHAT2_240206A**				SeqNo: **10454336**			Prep Date: **2/6/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Total	5.303	0.060	3	2.052	108	88-114	4.488	16.6	20	E

The following samples were analyzed in this batch: 24020041-10B 24020041-11B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395695** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **MBLK-R395695** Units: **% of sample** Analysis Date: **2/2/2024 02:27 PM**
Client ID: Run ID: **MOIST_240202C** SeqNo: **10448902** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.10								

LCS Sample ID: **LCS-R395695** Units: **% of sample** Analysis Date: **2/2/2024 02:27 PM**
Client ID: Run ID: **MOIST_240202C** SeqNo: **10448901** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **24011522-24A DUP** Units: **% of sample** Analysis Date: **2/2/2024 02:27 PM**
Client ID: Run ID: **MOIST_240202C** SeqNo: **10448880** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3.58	0.10	0	0	0	0-0	3.65	1.94	10	

DUP Sample ID: **24011522-34A DUP** Units: **% of sample** Analysis Date: **2/2/2024 02:27 PM**
Client ID: Run ID: **MOIST_240202C** SeqNo: **10448891** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	1.59	0.10	0	0	0	0-0	1.56	1.9	10	

The following samples were analyzed in this batch:

24020041-01B	24020041-02B	24020041-03B
24020041-04B	24020041-05B	24020041-06B
24020041-07B	24020041-08B	24020041-09B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: WSP USA Corp.
Work Order: 24020041
Project: Kennedy Landscape Yard (170)

QC BATCH REPORT

Batch ID: **R395696** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **MBLK-R395696** Units: **% of sample** Analysis Date: **2/2/2024 03:27 PM**
Client ID: Run ID: **MOIST_240202D** SeqNo: **10448963** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.10								

LCS Sample ID: **LCS-R395696** Units: **% of sample** Analysis Date: **2/2/2024 03:27 PM**
Client ID: Run ID: **MOIST_240202D** SeqNo: **10448961** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.98	0.10	100	0	100	98-102	0			

DUP Sample ID: **24020041-10B DUP** Units: **% of sample** Analysis Date: **2/2/2024 03:27 PM**
Client ID: **Kendy-170-B17 (0-2)** Run ID: **MOIST_240202D** SeqNo: **10448933** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	15.83	0.10	0	0	0	0-0	15.41	2.69	10	

DUP Sample ID: **24020163-05A DUP** Units: **% of sample** Analysis Date: **2/2/2024 03:27 PM**
Client ID: Run ID: **MOIST_240202D** SeqNo: **10448947** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	16.06	0.10	0	0	0	0-0	16.88	4.98	10	

The following samples were analyzed in this batch: 24020041-10B 24020041-11B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Chain of Custody Form

Page 1 of 2

ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Kennedy Landscape Yard (170)	A	VOCs
Quote #		Project Number	31403035.026	B	SVOCs
Company Name	WSP	Bill To Company		C	pH
Send Report To	Dean Tiebout	Invoice Attn.		D	% Solids
Address	30 N LaSalle St. Suite 4200 ~~Chicago IL~~	Address		E	Total Metals
				F	TCLP Metals *
City/State/Zip	Chicago IL 60602	City/State/Zip		G	Cyanide
Phone		Phone		H	Chlorides
Fax		Fax		I	
e-Mail Address				J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G					Hold
	KENDY-170-B01 (0-2)	1-31-24	0940	S		4	X	X	X	X	X	X						
	KENDY-170-B02 (0-2)	1-31-24	0950	S		4	X	X	X	X	X	X						
	KENDY-170-B03 (0-2)	1-31-24	1005	S		4	X	X	X	X	X	X						
	KENDY-170-B05 (0-2)	1-31-24	1020	S		4	X	X	X	X	X	X						
	KENDY-170-B06 (0-2)	1-31-24	1035	S		4	X	X	X	X	X	X						
	KENDY-170-B09 (0-2)	1-31-24	1050	S		4	X	X	X	X	X	X						
	KENDY-170-B07 (0-2)	1-31-24	1115	S		4	X	X	X	X	X	X						
	KENDY-170-B04 (0-2)	1-31-24	1150	S		4	X	X	X	X	X	X						
	KENDY-170-B08 (0-2)	1-31-24	1215	S		4	X	X	X	X	X	X						
	KENDY-170-B17 (0-2)	1-31-24	1250	S		4	X	X	X	X	X	X	X	X				

24020041
WSP - CHI: WSP USA Corp.
Project: Kennedy Landscape Yard (170)

Sampler(s): Please Print & Sign	Shipment Method:	Turnaround Time: (Business Days)	Results Due Date:
Audrey Plath Audrey Plath		☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD ☑ Other _____	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	1-31-24	1400		11/31/24	14:32	*SPLP analysis based on TCLP Results
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	Cooler Temp °C / pH Verified / QC Package: (Check Box Below)
	1/31/24	16:00		2-1-24	9:30	1.9c DEC
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			
	2-1-24	11:05				

☐ Level II: Standard QC ☐ Level III: Raw Data ☐ TRRP LRC ☐ TRRP Level IV ☐ Level IV: SW846 Methods/CLP like ☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035A

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

Chain of Custody Form

Page 2 of 2

☑ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Kennedy Landscape Yard (170)	A	VOCs
Quote #		Project Number	31403035.026	B	SVOCs
Company Name	WSP	Bill To Company		C	pH
Send Report To	D. Tiebout	Invoice Attn.		D	% Solids
Address	30. N. LaSalle St Ste 4200	Address		E	Total metals
				F	TCLP Metals *
City/State/Zip	Chicago IL 60602	City/State/Zip		G	Cyanide
Phone		Phone		H	Chlorides
Fax		Fax		I	
e-Mail Address				J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
	KENDY-170-B16 (0-2)	1-31-24	1305	S		4	X	X	X	X	X	X	X	X			

24020041
WSP - CHI: WSP USA Corp.
Project: Kennedy Landscape Yard (170)

Sampler(s): Please Print & Sign	Shipment Method:	Turnaround Time: (Business Days)	Results Due Date:
Audrey Platon Audrey Platon		☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD ☑ Other _____	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
[signature]	1-31-24	1400	[signature]	1/31/24	14:32	* SPLP analysis based on TCLP results
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	Cooler Temp °C / pH Verified / QC Package: (Check Box Below)
[signature]	1/31/24	16:00	[signature]	2-1-24	9:30	☐ Level II: Standard QC ☐ Level III: Raw Data
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			1.9c DFZ ☐ TRRP LRC ☐ TRRP Level IV
[signature]	2-1-24	11:05				☐ Level IV: SW846 Methods/CLP like ☐ Other:

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035A

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **WSP - CHI** Date/Time Received: **01-Feb-24 09:30**

Work Order: **24020041** Received by: **CMK**

Checklist completed by Caleb Koetje (eSignature) 01-Feb-24 (Date) Reviewed by: Chad Whelton (eSignature) 02-Feb-24 (Date)

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.9c	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	2/1/2024 1:52:12 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Revision: 1