

# ENVIRONMENTAL INVESTIGATION AND CORRECTIVE ACTION SUMMARY

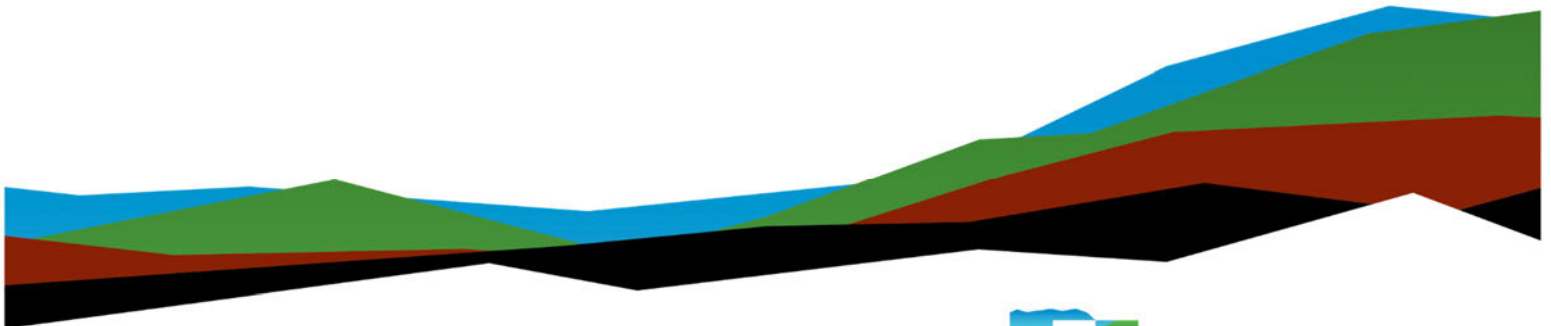
3710 South California Avenue  
Chicago, Cook County, Illinois

PINs: 16-36-315-001, -033, -036, -037, -047, and -048

**December 1, 2023**

Terracon Project No. A2237020

Prepared for:  
City of Chicago – Department of Assets, Information, and Services  
Chicago, Illinois



Nationwide  
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
- Geotechnical
- Materials



650 W. Lake Street, STE. 420  
Chicago, Illinois 60661  
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December 1, 2023

City of Chicago  
Department of Assets, Information, and Services  
Bureau of Environmental, Health & Safety Management  
2 North LaSalle Street, Suite 200  
Chicago, Illinois 60602

Re: Environmental Investigation and Corrective Action Summary  
**TOR No.:** 20-AI SEHS-0002  
3710 South California Avenue  
Chicago, Cook County, Illinois  
PINs: 16-36-315-001, -033, -036, -037, -047, and -048  
Terracon **Project No.:** **A2237020**

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is pleased to submit our Environmental Investigation and Corrective Action Summary (Environmental Summary) describing activities completed at the site referenced above. The report summarizes the investigation procedures, laboratory analytical results of the soil, groundwater, and soil gas samples collected during the subsurface investigation, and the corrective action completed.

Terracon appreciates this opportunity to provide environmental consulting services to the City of Chicago. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,  
[Terracon Consultants, Inc.](http://Terracon.com)

A handwritten signature in blue ink, appearing to read 'S. Swenson'.

Steven R. Swenson, P.G., CHMM  
Senior Geologist

A handwritten signature in blue ink, appearing to read 'Richard O'Brien'.

Richard M. O'Brien, P.E.  
Senior Environmental Engineer

Attachments

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# ENVIRONMENTAL INVESTIGATION AND CORRECTIVE ACTION SUMMARY

CITY OF CHICAGO – DEPARTMENT OF ASSETS, INFORMATION, AND  
SERVICES

3710 S. CALIFORNIA AVE.  
CHICAGO, COOK COUNTY, ILLINOIS

Terracon Project No. A2237020  
December 1, 2023

## 1.0 EXECUTIVE SUMMARY

Terracon Consultants, Inc. (Terracon) was retained by the City of Chicago, Department of Assets, Information, and Services (AIS) to conduct an environmental investigation and complete limited environmental consulting services at 3710 South California Avenue in Chicago, Illinois (site). The site is approximately 9.43 acres in size and currently consists of gravel and concrete covered lots improved with an approximately 30,000 square foot (sq. ft) warehouse. The City of Chicago proposes to have winterized shelters constructed on site for temporary housing.

AIS provided Terracon with an environmental summary radius report by EDR, historical Sanborn Maps, as well as the proposed locations of the winterized shelters to aid in the creation of a site-specific Sampling and Analysis Plan (SAP). The SAP was reviewed and approved by AIS. Per the SAP, Terracon's subcontractor advanced 16 soil borings to allow Terracon field staff to collect three soil samples from each boring. Seven of the borings were converted to temporary groundwater wells to allow collection of groundwater samples. An additional 15 shallow borings were advanced in the footprint of the proposed winterized shelter locations to allow collection of soil gas samples. Samples were submitted to National Environmental Laboratory Accreditation Program (NELAP) certified laboratories for analysis of Illinois Environmental Protection Agency's (IEPA) Target Compound List, or a subset list thereof. The field investigation was performed in a manner that is generally consistent with requirements of IEPA's Site Remediation Program (SRP).

The sample results allowed comparison to IEPA's Tier 1 remediation objectives (ROs), focusing on exposure routes applicable to temporary residential land use. The sample results did not exceed the Tier 1 ROs for the indoor inhalation exposure route. An exceedance of the RO for the residential outdoor inhalation exposure route for mercury was identified in one sample location. The soil surrounding this sample was excavated and properly disposed offsite at a landfill. Likewise, an exceedance of the soil saturation limit for bis(2-ethylhexyl)phthalate was identified in one soil sample. Soils in this area will be

remediated via excavation and landfill disposal. Results from samples collected from the sidewalls coupled with the deeper soil samples of the two excavations will be used to demonstrate removal of the exceedance areas. Finally, two semivolatile organic compounds (SVOCs) and four metals exceeded the Tier 1 ROs for the residential ingestion exposure route in multiple samples located throughout the site. To limit access to this soil, AIS directed the placement of imported clean stone from a quarry and compaction of the stone to a minimum thickness of six inches throughout the site. The stone layer will be periodically inspected and maintained.

## 2.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) was retained by the City of Chicago, Department of Assets, Information, and Services (AIS) to conduct an environmental investigation and complete limited environmental consulting services at the site located at 3710 South California Avenue in Chicago, Cook County, Illinois. The site occupies Cook County Parcel Identification Numbers (PINs) #16-36-315-001, -033, -036, -037, -047, and -048. The site is approximately 9.43 acres in size and currently consists of gravel and concrete covered lots improved with an approximately 30,000 sq. ft warehouse. The location of the site is depicted in Figure 1.

## 3.0 SCOPE OF SERVICES

The purpose of the Environmental Investigation and Corrective Action Summary (Environmental Summary) was to provide a preliminary assessment of potential impacts (i.e., exceedances of regulatory criteria) to soil, groundwater, and soil gas associated with historical property usage. The City of Chicago proposes to have winterized shelters constructed on site for temporary housing. Given this proposed end use, the investigation was targeted primarily towards identifying environmental impacts in shallow soil (0 to 3 feet) and soil gas (for the indoor inhalation pathway). AIS provided Terracon with an environmental summary radius report by EDR, historical Sanborn Maps, as well as the proposed locations of the winterized shelters to aid in the creation of a site-specific Sampling and Analysis Plan (SAP). Terracon identified key features to be investigated within the SAP, including historical use of the site as a railyard with tanks and oil houses, a zinc smelter (southeast side), and truck trailer parking. Historical features are depicted on the attached Figure 2. The SAP was reviewed, revised, and approved by AIS. The EDR report, Sanborn maps, and aerial photographs are provided in Appendix A.

Due to the identification of certain sample results exceeding regulatory criteria, AIS requested that Terracon observe, and document remediation conducted by AIS's subcontractors.

The Environmental Investigation and Corrective Action Summary directed by AIS was not intended to evaluate every potential environmental concern, characterize the extent of impacts, or to develop corrective action costs. The methods and results of the Environmental Summary are presented in the following sections of this report.

### 3.1 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, express or implied, regarding the findings, conclusions, or recommendations. Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These Environmental Investigation services were performed in accordance with the scope of work agreed with AIS, as reflected in our contract, and were not intended to be in strict conformance with ASTM International Standard Practice E1903-19.

### 3.2 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this evaluation. If these conditions arise during the course of this project, activities should be halted, and the suspect soil/fill should be re-evaluated to determine the appropriate soil/fill management options. Subsurface conditions may vary from those encountered at specific borings or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

### 3.3 Reliance

This report has been prepared for the exclusive use of the City of Chicago, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of the City of Chicago and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, summary report, and the Professional Services Agreement between the City of Chicago and Terracon dated January 24, 2014 (AIS Contract No.: 29554). The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

## 4.0 FIELD INVESTIGATIONS

### 4.1 Safety / Utility Locating

Terracon conducted the fieldwork under a health and safety plan developed for this project. Work was performed using United States Environmental Protection Agency (USEPA) Level D personal protective equipment consisting of a hard hat, safety glasses, protective gloves, and steel-toed boots.

Terracon contacted the local one-call public utility locating service (i.e. DIGGER) to mark public underground utilities a minimum of 48 hour prior to commencing intrusive activities at the site. Terracon also contracted with Ground Penetrating Radar Systems, Inc. (GPRS) to conduct a private utility locate to clear the proposed soil boring locations. Appendix B provides photograph documentation of utility locating and other site investigation activities.

### 4.2 Soil Borings

Between October 27, 2023, and November 1, 2023, Terracon's subcontractor completed 16 soil borings (denoted as SB-01 through SB-16) and 15 soil gas sample points to evaluate the subsurface conditions using GeoProbe direct push methods. Seven soil borings were completed as temporary monitoring wells. Each soil boring was completed to a depth of approximately 15 feet below ground surface (bgs). Each soil gas boring was completed to a depth of approximately 4 feet bgs. Terracon and the subcontractor returned to site on November 14, 2023, to advance borings around SB-15 to delineate identified impacts for mercury. Soil samples were collected continuously at each boring location and visually described on a textural basis and classified in the field using the Unified Soil Classification System as a guide. Observations were also made for the presence of visual/olfactory evidence of impact (e.g., unusual odors, staining, etc.). The approximate boring locations are depicted on attached Figure 2.

### 4.3 Soil Sampling

The soil samples were field screened for volatile organic constituents using a photoionization detector (PID). The PID provides direct field screening readings of organic vapors in parts per million (ppm) relative to an isobutylene gas standard. The PID was calibrated in accordance with the manufacturer's recommendations before the field activities. Upon removal of the sampler from the borehole, a portion of each sample was placed in a sealable plastic bag. After a stabilization period, the headspace in the bag was screened using the PID equipped with a 10.6 electron-volt (eV) ultraviolet lamp source. Three soil samples (0.5 feet bgs, 1-3 feet bgs, and one deeper sample) were selected from each soil boring and analyzed for one or more of the following: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated bisphenols (PCBs), pesticides,



metals, cyanide, and soil pH. Due to the presence of concrete, a sample was not collected from SB-08 from the 0.5-foot bgs interval.

Appropriate decontamination procedures were followed during sample collection. The soil samples were placed in clean laboratory-provided glassware, labelled, and placed in a cooler on ice prior to being submitted to the laboratory for analysis. Appropriate chain of custody procedures were followed during sample collection and transportation.

#### 4.4 Groundwater Sampling

Upon the completion of soil borings SB-02, SB-04, SB-07, SB-09, SB-11, SB-15, and SB-16, temporary monitoring wells consisting of one-inch diameter PVC screens (10-foot, #10 slot) and riser were placed into the open boreholes. The temporary wells were identified as GW-02, GW-04, GW-07, GW-09, GW-11, GW-15, and GW-16, respective to the soil boring locations.

Each temporary monitoring well was sampled for VOCs, naphthalene, and mercury in accordance with 35 Illinois Administrative Code (IAC) Part 742, Appendix B, Table H. Due to lack of groundwater, samples could not be collected from GW-09 or GW-15, and only a sample for VOCs could be collected from GW-16. The groundwater samples were placed in laboratory-provided glassware, labelled, and stored in an insulated container on ice prior to being submitted to the laboratory. Appropriate chain of custody procedures were followed during sample collection and transportation.

#### 4.5 Soil Gas Sampling

Fifteen soil gas implants were installed at the site to facilitate the collection of soil gas samples. Soil gas samples for VOC analysis were collected via a summa canister, flow controller, and helium shroud. Soil gas samples for mercury analysis were collected with a sampling tube and air purge pump set at 0.2 liters per minute.

The soil gas samples were analyzed for VOCs using Method TO-15 and mercury using NIOSH Method 6009M. The results were compared to the outdoor inhalation exposure route for residential and construction workers (35 IAC 742, Appendix B, Tables A & B) and the indoor inhalation exposure route (diffusion and advection) for residential land use (35 IAC 742, Appendix B, Table H).

#### 4.6 Geology

Based on the soil borings completed at the site, the surface materials generally consist of fill material comprised of gravel, black sand, organics, broken concrete and brick to depths ranging from 3 to 15 feet bgs. Underlying the fill material is a grey silty clay with traces of

sand and/or gravel to the termination of the soil borings. Saturated conditions were generally identified within the soil borings at depths between 7 and 9 feet bgs.

## 5.0 ANALYTICAL RESULTS

The analytical results were reviewed and compared to default values presented in the Tiered Approach to Corrective Action Objectives (TACO) established in Title 35 of the Illinois Administrative Code (IAC) Part 742. The soil analytical results were compared with Tier 1 Soil Remediation Objectives (SROs) for residential and construction workers. The groundwater analytical results were compared to the Groundwater Remediation Objectives for Class I Groundwater and the Indoor Inhalation Exposure Route. The soil gas analytical results were compared to the Tier 1 Soil Gas Remediation Objectives (SGROs).

Attached Table 1 summarizes the comparison of soil analytical results for the samples to the Tier 1 SROs. Table 2 summarizes the comparison of groundwater analytical results for the samples to the Tier 1 Groundwater Remediation Objectives (GROs), and Table 3 summarizes the comparison of soil gas analytical results to the Tier 1 SGROs. The laboratory analytical reports, chain-of-custody records, and data validation are included in Appendix C.

Reported concentrations of constituents were compared to the applicable ROs. The results of this comparison are summarized below, with a focus on results pertinent to residential land use.

### 5.1 Soil Analytical Results

The analytical results of the soil samples identified the following:

- VOCs, PCBs, pesticides, and cyanide were below the residential ROs;
- SVOCs were below the residential ROs with the exception of bis(2-ethylhexyl)phthalate in one location, and dibenzo(a,h)anthracene in several locations, which exceeded the residential ingestion exposure route.
  - Bis(2-ethylhexyl)phthalate was identified to exceed the residential ingestion RO as well as the default soil saturation limit ( $C_{SAT}$ ) in one sample, SB-03 (0.5').
- Metals were below the residential ROs with the exception of arsenic, lead, mercury, and manganese, which exceeded in residential ingestion exposure route at certain sample locations.
  - Mercury exceeded the residential outdoor inhalation exposure route and the default  $C_{SAT}$  limit in sample SB-15 (1-3') and its associated duplicate sample, DUP-004. These two samples were further evaluated with elemental mercury laboratory analysis, as provided in Table 1, which confirmed the exceedances.

- Mercury exceeded the default  $C_{SAT}$  limit in sample SB-01 (7.5-10'), but once adjusted for sample pH using TACO Equation S29, the  $C_{SAT}$  limit was no longer exceeded.

Attached Figure 3 depicts the extent of surficial soils exceeding the residential ingestion exposure route.

## 5.2 Groundwater Analytical Results

The analytical results of the groundwater samples identified the following:

- VOCs were below their applicable Class I GROs;
- Mercury was identified above the Class I GRO in one groundwater sample but below the residential indoor inhalation exposure route GRO.

## 5.3 Soil Gas Analytical Results

The analytical results of the soil gas samples did not identify reported concentrations of VOCs, naphthalene, or mercury in excess of SGROs.

## 6.0 Corrective Action

The environmental investigation identified an exceedance of the RO for the residential outdoor inhalation exposure route and the  $C_{SAT}$  limit for mercury in one location [SB-15(1-3)], and an exceedance of the default  $C_{SAT}$  limit for bis(2-ethylhexyl)phthalate at SB-03 (0.5). Two SVOCs and four metals exceeded the Tier 1 ROs for the residential ingestion exposure route in multiple samples throughout the site. AIS directed that corrective action be performed to address these exceedances. It should be noted that evaluation and remediation of bis(2-ethylhexyl)phthalate is not planned to be completed until approximately December 8, 2023, and the associated work will be summarized in a future addendum per AIS request.

AIS directed Terracon to delineate the extent of the residential outdoor inhalation and  $C_{SAT}$  limit exceedance areas (SB-15 and SB-03) by collecting new samples surrounding these sample locations. Once the extents of exceedances were determined, AIS directed Terracon to observe and document the removal of the soil at these two sample areas.

### 6.1 Mercury Outdoor Inhalation Correction Action

On November 14, 2023, Terracon returned to the site to delineate the lateral extent of mercury exceedance identified at soil boring SB-15. A GeoProbe advanced borings to 4 feet bgs in each cardinal direction from SB-15, each 5 feet away (Figure 4). Terracon collected samples from 1 to 3 feet bgs at each boring for laboratory analysis of total mercury under standard sampling procedures. The laboratory results of these samples did not identify RO

exceedances. Attached Table 1 provides these mercury delineation soil sample results. Figure 4 depicts the delineated area that exceeds the residential outdoor inhalation exposure route for mercury.

Based on the results of these soil samples, Terracon returned to site with AIS's remediation contractor (SET Environmental, Inc. and RW Collins Co.) on November 21, 2023. Work was conducted by Occupation Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) trained individuals utilizing site-specific health and safety plans. Terracon marked the limits of the work area. During work, Terracon evaluated mercury vapor generated utilizing a handheld Jerome J405 mercury vapor analyzer. Readings were continuously collected along the nearby south (downwind) and east property lines as well as north near the worker area. The analyzer was also used to screen sidewall samples collected once the excavation was complete. During work, no readings exceeded action limits or 50 micrometers per cubic meter.

AIS's remediation contractor RW Collins Co., utilized an excavator to load the soil from the remediation area (10 feet x 10 feet x 4 feet deep) directly into trucks for offsite disposal. The soil was transported to Waste Management's licensed Laraway Landfill for disposal certified as non-hazardous non-special waste. The excavation was backfilled with clean imported stone to grade. With completion of this corrective action, the identified soil with  $C_{SAT}$  and residential outdoor inhalation exposure route exceedances was removed from site.

Photographs of the remediation are provided in Appendix B. Documentation on the exported soil and the clean imported stone is provided in Appendix D.

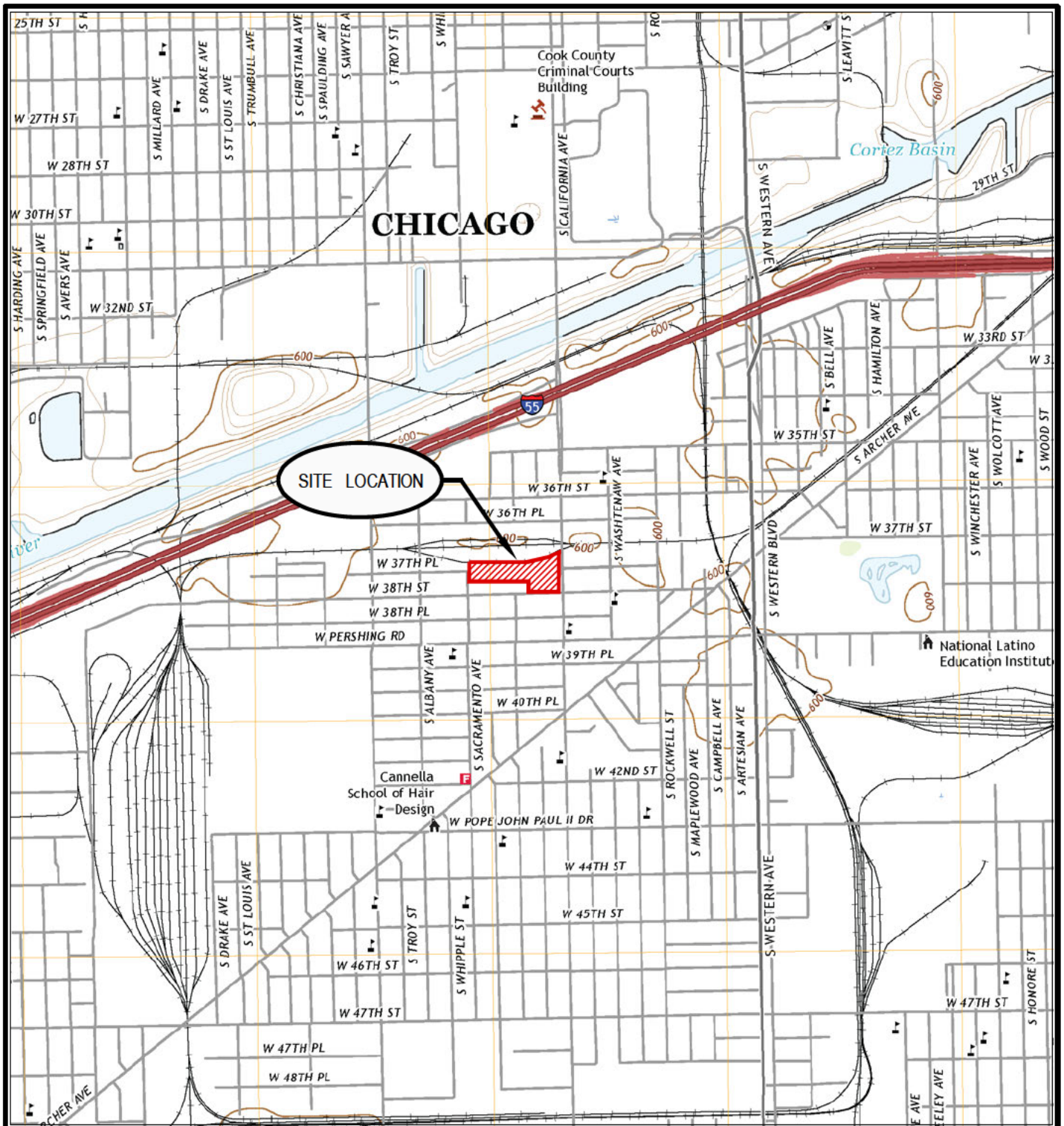
## 6.2 Residential Ingestion Corrective Action

The City placed a minimum of 6-inches of compacted clean stone throughout the site to limit access to site soils. Per AIS direction, Terracon measured the thickness of the compacted aggregate on a grid like format in locations where stone was placed. Terracon measurements were collected periodically from November 21 through December 1, 2023, and will continue as required. The aggregate was documented to be a minimum of six inches in thickness in each location measured, except as noted, to be completed in early December and documented in an addendum. The results of these inspections are presented in Figure 6.

Per AIS request, once all the stone is in place, Terracon will inspect the aggregate cover on a weekly-basis during 2023 and on a monthly-basis thereafter until temporary residential use is halted. Deficiencies identified in the stone layer thickness will be reported to AIS for repair.

Photographs of the placed aggregate are provided in Appendix B. Documentation on the clean imported stone is provided in Appendix D.

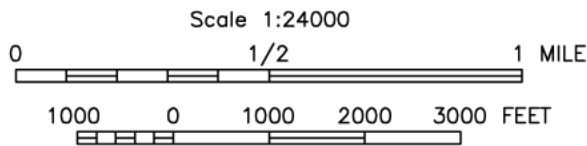
## FIGURES



SITE LOCATION



QUADRANGLE LOCATION



(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, ENGLEWOOD (2021), ILLINOIS)



CHECK BY	RO
DRAWN BY	OS
DATE	11-8-2023
SCALE	AS SHOWN
CAD NO.	A22737020
PRJ NO.	A22737020

TOPOGRAPHIC MAP

3710 S. CALIFORNIA AVENUE  
CHICAGO, ILLINOIS



FIGURE

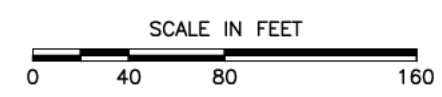
1



LEGEND

<span style="color: orange;">■</span>	SOIL GAS BORING
<span style="color: red;">●</span>	SOIL BORING
<span style="color: blue;">+</span>	SOIL BORING/TEMP WELL

NOTE: BUILDING LOCATIONS BASED ON 10/16/23 PLANS AND ARE SUBJECT TO CHANGE



CHECK BY	RO
DRAWN BY	OS
DATE	12-1-23
SCALE	AS SHOWN
CAD NO.	A22737020a
PRJ NO.	A22737020

SOIL BORING LOCATIONS  
3710 S. CALIFORNIA AVENUE  
CHICAGO, ILLINOIS



FIGURE  
**2**



- LEGEND
- SOIL GAS BORING
  - SOIL BORING
  - ⊕ SOIL BORING/TEMP WELL

SOIL SAMPLES WITH TIER 1 SRO EXCEEDANCES OF THE RESIDENTIAL INGESTION EXPOSURE ROUTE FROM 0-3 FEET.

SOIL SAMPLES THAT DO NOT EXCEED TIER 1 SROs FOR THE RESIDENTIAL INGESTION EXPOSURE ROUTE FROM 0-3 FEET.

UNDERLYING SOIL MAY EXCEED THIS EXPOSURE ROUTE. SEE TABLE 1 FOR SUBSURFACE EXCEEDANCES.

SCALE IN FEET

0 40 80 160

CHECK BY	RO
DRAWN BY	OS
DATE	12-1-23
SCALE	AS SHOWN
CAD NO.	A22737020a
PRJ NO.	A22737020

RESIDENTIAL INGESTION EXPOSURE ROUTE EVALUATION (0-3 FT.)

3710 S. CALIFORNIA AVENUE  
CHICAGO, ILLINOIS

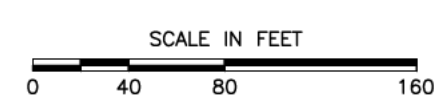


FIGURE  
**3**





LEGEND	
	SOIL GAS BORING
	SOIL BORING
	SOIL BORING/TEMP WELL
	TIER 1 SRO EXCEEDANCE OF THE RESIDENTIAL OUTDOOR INHALATION EXPOSURE ROUTE (IDENTIFIED IN SB-15 FROM 0-3 FT BGS)



CHECK BY	RO
DRAWN BY	OS
DATE	12-1-23
SCALE	AS SHOWN
CAD NO.	A22737020a
PRJ NO.	A22737020

RESIDENTIAL INHALATION EXPOSURE ROUTE EVALUATION

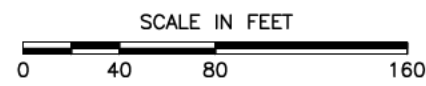
3710 S. CALIFORNIA AVENUE  
CHICAGO, ILLINOIS

	FIGURE
	4



- LEGEND**
- SOIL GAS BORING
  - SOIL BORING
  - + SOIL BORING/TEMP WELL

NOTE: SOIL SURROUNDING SB-15 WAS EXCAVATED AS SHOWN AND DISPOSED AT A LICENSED LANDFILL TO MITIGATE THE IDENTIFIED OUTDOOR INHALATION EXPOSURE ROUTE EXCEEDANCE AREA. SOIL SURROUNDING SB-03 EXCEEDING SOIL SATURATION LIMITS WILL BE EXCAVATED AND DISPOSED IN DECEMBER 2023, TO BE DOCUMENTED IN A REPORT ADDENDUM.

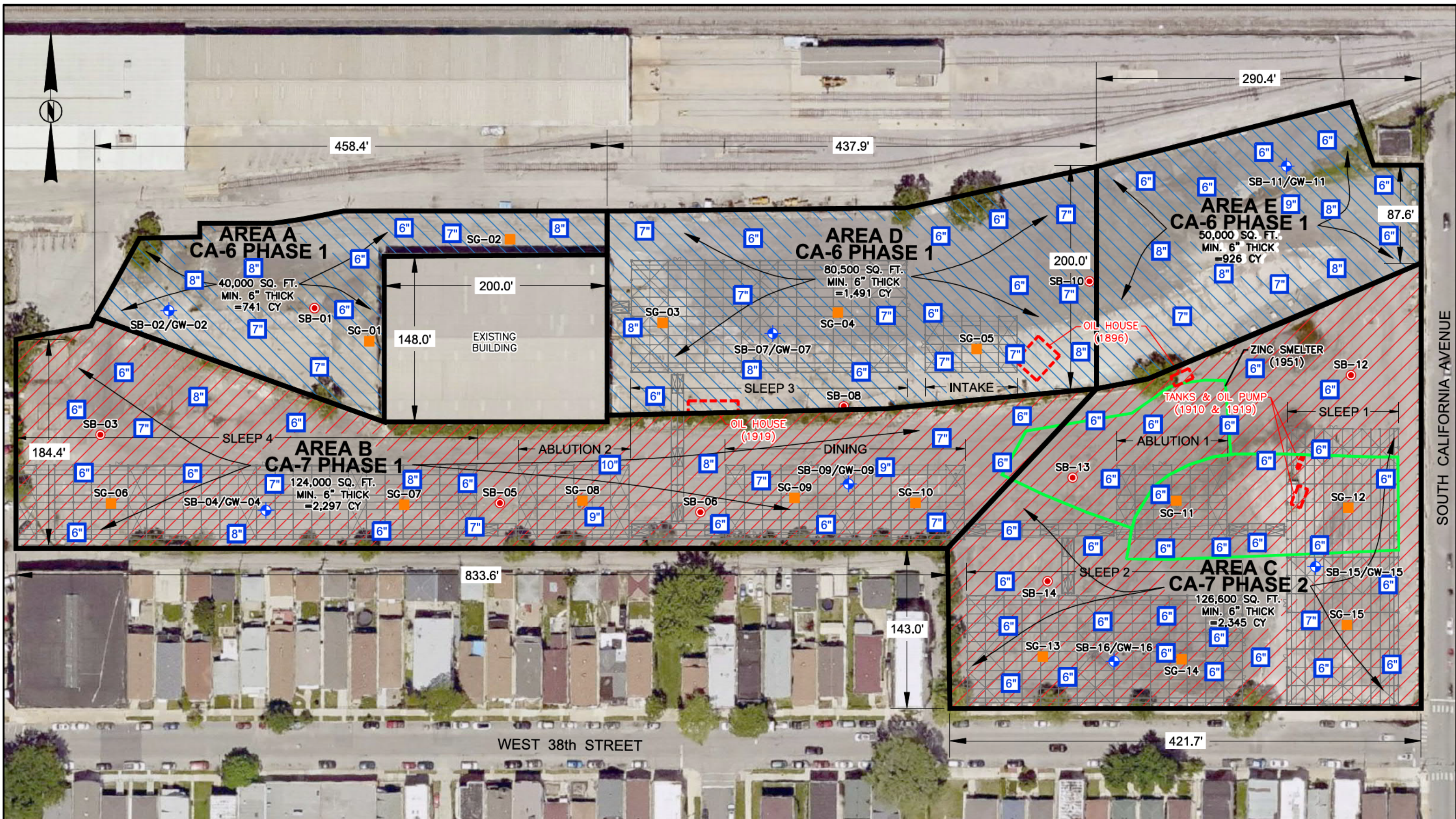


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DATE	12-1-23
SCALE	AS SHOWN
CAD NO.	A22737020e
PRJ NO.	A22737020

REMEDIAL EXCAVATION  
3710 S. CALIFORNIA AVENUE  
CHICAGO, ILLINOIS



FIGURE  
**5**



- LEGEND**
- 6" MEASURED AGGREGATE THICKNESS
  - SOIL GAS BORING
  - SOIL BORING
  - SOIL BORING/TEMP WELL

- IDOT SPEC. VIRGIN CA-6 CLEAN AGGREGATE TO MITIGATE THE RESIDENTIAL INGESTION EXPOSURE ROUTE
- IDOT SPEC. VIRGIN CA-7 CLEAN AGGREGATE TO MITIGATE THE RESIDENTIAL INGESTION EXPOSURE ROUTE

NOTE: UPDATED DRAWING WILL BE PROVIDED IN THE ADDENDUM REPORT

SCALE IN FEET

0      40      80      160

CHECK BY	RO
DRAWN BY	OS
DATE	12-1-23
SCALE	AS SHOWN
CAD NO.	A22737020c2
PRJ NO.	A22737020

AGGREGATE PLACEMENT (6 INCHES MINIMUM)

3710 S. CALIFORNIA AVENUE  
CHICAGO, ILLINOIS

6

FIGURE

## TABLES

**Table 1 - Terracon Soil Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-01 (0.5)	SB-01 (1-3)	SB-01 (7.5-10)	DUP-001 (SB-01)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	7.5-10	7.5-10
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.016	< 0.0074	< 0.011	< 0.0071
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.016	< 0.0074	< 0.011	< 0.0071
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.016	< 0.0074	< 0.011	< 0.0071
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.049	< 0.022	< 0.032	< 0.021
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.016	< 0.0074	< 0.011	< 0.0071
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.24	< 0.11	< 0.16	< 0.11
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.016	< 0.0074	< 0.011	< 0.0071
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.016	< 0.0074	< 0.011	< 0.0071
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.033	< 0.015	< 0.021	< 0.014
2-Butanone	mg/kg	---	---	---	---	---		< 0.24	< 0.11	< 0.16	< 0.11
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.16	< 0.074	< 0.11	< 0.071
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.016	< 0.0074	< 0.011	< 0.0071
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.016	< 0.0074	< 0.011	< 0.0071
Chloroethane	mg/kg	---	---	---	---	---		< 0.033	< 0.015	< 0.021	< 0.014
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.016	< 0.0074	< 0.011	< 0.0071
Chloromethane	mg/kg	---	---	---	---	---		< 0.033	< 0.015	< 0.021	< 0.014
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.016	< 0.0074	< 0.011	< 0.0071
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.016	< 0.0074	< 0.011	< 0.0071
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.016	< 0.0074	< 0.011	< 0.0071
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.016	< 0.0074	< 0.011	< 0.0071
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.016	< 0.0074	< 0.011	< 0.0071
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.016	< 0.0074	< 0.011	< 0.0071
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0065	< 0.0029	< 0.0044	< 0.0028
2-Hexanone	mg/kg	---	---	---	---	---		< 0.065	< 0.029	< 0.044	< 0.028
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.065	< 0.029	< 0.044	< 0.028
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.033	< 0.015	< 0.021	< 0.014
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.016	< 0.0074	< 0.011	< 0.0071
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.016	< 0.0074	< 0.011	< 0.0071
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.016	< 0.0074	< 0.011	< 0.0071
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.016	< 0.0074	< 0.011	< 0.0071
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.016	< 0.0074	< 0.011	< 0.0071
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.016	< 0.0074	< 0.011	< 0.0071
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.016	< 0.0074	< 0.011	< 0.0071
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.016	< 0.0074	< 0.011	< 0.0071

**Table 1 - Terracon Soil Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-02 (0.5)	SB-02 (1-3)	SB-02 (8.5-10)	SB-03 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	8.5-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0098	< 0.0056	< 0.012	< 0.012
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0098	< 0.0056	< 0.012	< 0.012
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0098	< 0.0056	< 0.012	< 0.012
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.029	< 0.017	< 0.037	< 0.038
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0098	< 0.0056	< 0.012	< 0.012
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.15	< 0.084	< 0.18	< 0.18
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0098	< 0.0056	< 0.012	< 0.012
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0098	< 0.0056	< 0.012	< 0.012
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.020	< 0.012	< 0.025	< 0.025
2-Butanone	mg/kg	---	---	---	---	---		< 0.15	< 0.084	< 0.18	< 0.18
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.098	< 0.056	< 0.12	< 0.12
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0098	< 0.0056	< 0.012	< 0.012
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0098	< 0.0056	< 0.012	< 0.012
Chloroethane	mg/kg	---	---	---	---	---		< 0.020	< 0.012	< 0.025	< 0.025
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0098	< 0.0056	< 0.012	< 0.012
Chloromethane	mg/kg	---	---	---	---	---		< 0.020	< 0.012	< 0.025	< 0.025
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0098	< 0.0056	< 0.012	< 0.012
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0098	< 0.0056	< 0.012	< 0.012
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0098	< 0.0056	< 0.012	< 0.012
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0098	< 0.0056	< 0.012	< 0.012
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0098	< 0.0056	< 0.012	< 0.012
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0098	< 0.0056	< 0.012	< 0.012
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0039	< 0.0022	< 0.0049	< 0.0050
2-Hexanone	mg/kg	---	---	---	---	---		< 0.039	< 0.022	< 0.049	< 0.050
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.039	< 0.022	< 0.049	< 0.050
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.020	< 0.012	< 0.025	< 0.025
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0098	< 0.0056	< 0.012	< 0.012
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0098	< 0.0056	< 0.012	< 0.012
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0098	< 0.0056	< 0.012	< 0.012
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0098	< 0.0056	< 0.012	< 0.012
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0098	< 0.0056	< 0.012	< 0.012
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0098	< 0.0056	< 0.012	< 0.012
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0098	< 0.0056	< 0.012	< 0.012
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0098	< 0.0056	< 0.012	< 0.012

**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	DUP-02 (SB-03)	SB-03 (1-3)	SB-03 (4-6)	SB-04 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	4-6	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
		Volatile Organic Analytical Parameters									
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.019	< 0.014	< 0.023	< 0.024
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.093	< 0.072	< 0.12	< 0.12
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.012	< 0.0096	< 0.016	< 0.016
2-Butanone	mg/kg	---	---	---	---	---		< 0.093	< 0.072	< 0.12	< 0.12
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.063	< 0.048	< 0.078	< 0.082
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Chloroethane	mg/kg	---	---	---	---	---		< 0.012	< 0.0096	< 0.016	< 0.016
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Chloromethane	mg/kg	---	---	---	---	---		< 0.012	< 0.0096	< 0.016	< 0.016
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0025	< 0.0019	< 0.0031	< 0.0033
2-Hexanone	mg/kg	---	---	---	---	---		< 0.025	< 0.019	< 0.031	< 0.033
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.025	< 0.019	< 0.031	< 0.033
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.012	< 0.0096	< 0.016	< 0.016
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0063	< 0.0048	< 0.0078	< 0.0082
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0063	< 0.0048	< 0.0078	< 0.0082
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0063	< 0.0048	< 0.0078	< 0.0082
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0063	< 0.0048	< 0.0078	< 0.0082

**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-04 (1-3)	SB-04 (3-5)	SB-05 (0.5)	SB-05 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	3-5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.011	< 0.0050	< 0.0055	< 0.0053
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.011	< 0.0050	< 0.0055	< 0.0053
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.011	< 0.0050	< 0.0055	< 0.0053
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.032	< 0.015	< 0.017	< 0.016
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.011	< 0.0050	< 0.0055	< 0.0053
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.16	< 0.075	< 0.083	< 0.081
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.011	< 0.0050	< 0.0055	< 0.0053
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.011	< 0.0050	< 0.0055	< 0.0053
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.021	< 0.010	< 0.011	< 0.011
2-Butanone	mg/kg	---	---	---	---	---		< 0.16	< 0.075	< 0.083	< 0.081
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.11	< 0.050	< 0.055	< 0.053
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.011	< 0.0050	< 0.0055	< 0.0053
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.011	< 0.0050	< 0.0055	< 0.0053
Chloroethane	mg/kg	---	---	---	---	---		< 0.021	< 0.010	< 0.011	< 0.011
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.011	< 0.0050	< 0.0055	< 0.0053
Chloromethane	mg/kg	---	---	---	---	---		< 0.021	< 0.010	< 0.011	< 0.011
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.011	< 0.0050	< 0.0055	< 0.0053
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0043	< 0.0020	< 0.0022	< 0.0021
2-Hexanone	mg/kg	---	---	---	---	---		< 0.043	< 0.020	< 0.022	< 0.021
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.043	< 0.020	< 0.022	< 0.021
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.021	< 0.010	< 0.011	< 0.011
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.011	< 0.0050	< 0.0055	< 0.0053
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.011	< 0.0050	< 0.0055	< 0.0053
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.011	< 0.0050	< 0.0055	< 0.0053
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.011	< 0.0050	< 0.0055	< 0.0053
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.011	< 0.0050	< 0.0055	< 0.0053
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.011	< 0.0050	< 0.0055	< 0.0053



**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-05 (4-6)	SB-06 (0.5)	SB-06 (1-3)	SB-06 (4-6)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	4-6	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.017	< 0.012	< 0.015	< 0.016
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.088	< 0.058	< 0.074	< 0.079
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.012	< 0.0078	< 0.010	< 0.011
2-Butanone	mg/kg	---	---	---	---	---		< 0.088	< 0.058	< 0.074	< 0.079
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.059	< 0.039	< 0.051	< 0.052
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Chloroethane	mg/kg	---	---	---	---	---		< 0.012	< 0.0078	< 0.010	< 0.011
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Chloromethane	mg/kg	---	---	---	---	---		< 0.012	< 0.0078	< 0.010	< 0.011
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0023	< 0.0016	< 0.0021	< 0.0021
2-Hexanone	mg/kg	---	---	---	---	---		< 0.023	< 0.016	< 0.021	< 0.021
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.023	< 0.016	< 0.021	< 0.021
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.012	< 0.0078	< 0.010	< 0.011
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0059	< 0.0039	< 0.0051	< 0.0052
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0059	< 0.0039	< 0.0051	< 0.0052
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0059	< 0.0039	< 0.0051	< 0.0052
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0059	< 0.0039	< 0.0051	< 0.0052

**Table 1 - Terracon Soil Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-07 (0.5)	SB-07 (1-3)	DUP-003 (SB-07)	SB-07 (3-5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	1-3	3-5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.014	< 0.020	< 0.019	< 0.018
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.068	< 0.10	< 0.096	< 0.089
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.0090	< 0.013	< 0.013	< 0.012
2-Butanone	mg/kg	---	---	---	---	---		< 0.068	< 0.10	< 0.096	< 0.089
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.046	< 0.066	< 0.063	< 0.059
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Chloroethane	mg/kg	---	---	---	---	---		< 0.0090	< 0.013	< 0.013	< 0.012
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Chloromethane	mg/kg	---	---	---	---	---		< 0.0090	< 0.013	< 0.013	< 0.012
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0018	< 0.0027	< 0.0025	< 0.0023
2-Hexanone	mg/kg	---	---	---	---	---		< 0.018	< 0.027	< 0.025	< 0.023
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.018	< 0.027	< 0.025	< 0.023
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.0090	< 0.013	< 0.013	< 0.012
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0046	< 0.0066	< 0.0063	< 0.0059
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0046	< 0.0066	< 0.0063	< 0.0059
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0046	< 0.0066	< 0.0063	< 0.0059
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0046	< 0.0066	< 0.0063	< 0.0059

**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-08 (1-3)	SB-08 (5-7.5)	SB-9 (0.5)	SB-9 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	5-7.5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.021	< 0.025	< 0.015	< 0.015
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.11	< 0.12	< 0.075	< 0.078
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.014	< 0.017	< 0.010	< 0.010
2-Butanone	mg/kg	---	---	---	---	---		< 0.11	< 0.12	< 0.075	< 0.078
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.070	< 0.083	< 0.051	< 0.052
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Chloroethane	mg/kg	---	---	---	---	---		< 0.014	< 0.017	< 0.010	< 0.010
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Chloromethane	mg/kg	---	---	---	---	---		< 0.014	< 0.017	< 0.010	< 0.010
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0028	< 0.0034	< 0.0020	< 0.0021
2-Hexanone	mg/kg	---	---	---	---	---		< 0.028	< 0.034	< 0.020	< 0.021
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.028	< 0.034	< 0.020	< 0.021
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.014	< 0.017	< 0.010	< 0.010
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0070	< 0.0083	< 0.0051	< 0.0052
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0070	< 0.0083	< 0.0051	< 0.0052
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0070	< 0.0083	< 0.0051	< 0.0052
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0070	< 0.0083	< 0.0051	< 0.0052

**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-9 (5-7)	SB-10 (0.5)	SB-10 (1-3)	SB-10 (7-9)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	5-7	0.5	1-3	7-9
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.017	< 0.015	< 0.016	< 0.018
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.088	< 0.075	< 0.079	< 0.089
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.012	< 0.0099	< 0.011	< 0.012
2-Butanone	mg/kg	---	---	---	---	---		< 0.088	< 0.075	< 0.079	< 0.089
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.059	< 0.050	< 0.052	< 0.060
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Chloroethane	mg/kg	---	---	---	---	---		< 0.012	< 0.0099	< 0.011	< 0.012
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Chloromethane	mg/kg	---	---	---	---	---		< 0.012	< 0.0099	< 0.011	< 0.012
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0024	< 0.0020	< 0.0021	< 0.0024
2-Hexanone	mg/kg	---	---	---	---	---		< 0.024	< 0.020	< 0.021	< 0.024
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.024	< 0.020	< 0.021	< 0.024
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.012	< 0.0099	< 0.011	< 0.012
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0059	< 0.0050	< 0.0052	< 0.0060
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0059	< 0.0050	< 0.0052	< 0.0060
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0059	< 0.0050	< 0.0052	< 0.0060
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0059	< 0.0050	< 0.0052	< 0.0060

**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-11 (0.5)	SB-11 (1-3)	SB-11 (8-10)	SB-12 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	8-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.015	< 0.016	< 0.015	< 0.014
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.077	< 0.078	< 0.072	< 0.071
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.010	< 0.010	< 0.0097	< 0.0095
2-Butanone	mg/kg	---	---	---	---	---		< 0.077	< 0.078	< 0.072	< 0.071
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.052	< 0.052	< 0.049	< 0.048
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Chloroethane	mg/kg	---	---	---	---	---		< 0.010	< 0.010	< 0.0097	< 0.0095
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Chloromethane	mg/kg	---	---	---	---	---		< 0.010	< 0.010	< 0.0097	< 0.0095
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0021	< 0.0021	< 0.0019	< 0.0019
2-Hexanone	mg/kg	---	---	---	---	---		< 0.021	< 0.021	< 0.019	< 0.019
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.021	< 0.021	< 0.019	< 0.019
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.010	< 0.010	< 0.0097	< 0.0095
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0052	< 0.0052	< 0.0049	< 0.0048
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0052	< 0.0052	< 0.0049	< 0.0048
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0052	< 0.0052	< 0.0049	< 0.0048
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0052	< 0.0052	< 0.0049	< 0.0048

**Table 1 - Terracon Soil Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-12 (1-3)	SB-12 (5-7)	SB-13 (0.5)	DUP-005 (SB-13)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	5-7	0.5	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.015	< 0.019	< 0.013	< 0.016
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.073	< 0.10	< 0.065	< 0.077
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.0098	< 0.013	< 0.0088	< 0.010
2-Butanone	mg/kg	---	---	---	---	---		< 0.073	< 0.10	< 0.065	< 0.077
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.049	< 0.066	< 0.043	< 0.051
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Chloroethane	mg/kg	---	---	---	---	---		< 0.0098	< 0.013	< 0.0088	< 0.010
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Chloromethane	mg/kg	---	---	---	---	---		< 0.0098	< 0.013	< 0.0088	< 0.010
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0020	< 0.0026	< 0.0018	< 0.0020
2-Hexanone	mg/kg	---	---	---	---	---		< 0.020	< 0.026	< 0.018	< 0.020
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.020	< 0.026	< 0.018	< 0.020
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.0098	< 0.013	< 0.0088	< 0.010
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0049	< 0.0066	< 0.0043	< 0.0051
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0049	< 0.0066	< 0.0043	< 0.0051
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0049	< 0.0066	< 0.0043	< 0.0051
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0049	< 0.0066	< 0.0043	< 0.0051

**Table 1 - Terracon Soil Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-13 (1-3)	SB-13 (4-6)	SB-14 (0.5)	SB-14 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	4-6	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.015	< 0.015	< 0.013	< 0.015
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.074	< 0.077	< 0.070	< 0.076
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.0098	< 0.010	< 0.0092	< 0.010
2-Butanone	mg/kg	---	---	---	---	---		< 0.074	< 0.077	< 0.070	< 0.076
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.049	< 0.051	< 0.046	< 0.052
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Chloroethane	mg/kg	---	---	---	---	---		< 0.0098	< 0.010	< 0.0092	< 0.010
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Chloromethane	mg/kg	---	---	---	---	---		< 0.0098	< 0.010	< 0.0092	< 0.010
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0020	< 0.0020	< 0.0019	< 0.0020
2-Hexanone	mg/kg	---	---	---	---	---		< 0.020	< 0.020	< 0.019	< 0.020
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.020	< 0.020	< 0.019	< 0.020
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.0098	< 0.010	< 0.013	< 0.010
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0049	< 0.0051	< 0.0046	< 0.0052
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0049	< 0.0051	< 0.0046	< 0.0052
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0049	< 0.0051	< 0.0046	< 0.0052
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0049	< 0.0051	< 0.0046	< 0.0052

**Table 1 - Terracon Soil Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-14 (7-9)	SB-15 (0.5)	SB-15 (1-3)	DUP-004 (SB-15)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	7-9	0.5	1-3	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.016	< 0.014	< 0.015	< 0.015
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.083	< 0.074	< 0.076	< 0.073
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.011	< 0.0099	< 0.010	< 0.0098
2-Butanone	mg/kg	---	---	---	---	---		< 0.083	< 0.074	< 0.076	< 0.073
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.056	< 0.050	< 0.051	< 0.049
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Chloroethane	mg/kg	---	---	---	---	---		< 0.011	< 0.0099	< 0.010	< 0.0098
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Chloromethane	mg/kg	---	---	---	---	---		< 0.011	< 0.0099	< 0.010	< 0.0098
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0022	< 0.0020	< 0.0021	< 0.0019
2-Hexanone	mg/kg	---	---	---	---	---		< 0.022	< 0.020	< 0.021	< 0.019
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.022	< 0.020	< 0.021	< 0.019
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.011	< 0.0099	< 0.010	< 0.0098
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0056	< 0.0050	< 0.0051	< 0.0049
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0056	< 0.0050	< 0.0051	< 0.0049
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0056	< 0.0050	< 0.0051	< 0.0049
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0056	< 0.0050	< 0.0051	< 0.0049



**Table 1 - Terracon Soil Analytical Results - VOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-15 (3-5)	SB-16 (0.5)	SB-16 (1-3)	SB-16 (4-6)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	3-5	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>											
Benzene	mg/kg	12	0.8	2,300	2.2	0.03		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Toluene	mg/kg	16,000	650	410,000	42	12		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Ethylbenzene	mg/kg	7,800	400	20,000	58	13		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Xylenes (total)	mg/kg	16,000	320	41,000	5.6	150		< 0.015	< 0.017	< 0.015	< 0.017
Methyl Tertiary-Butyl Ether	mg/kg	780	8,800	2,000	140	0.32		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Acetone	mg/kg	70,000	100,000	---	100,000	25		< 0.076	< 0.082	< 0.072	< 0.085
Bromodichloromethane	mg/kg	10	3,000	2,000	3,000	0.6		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Bromoform	mg/kg	81	53	16,000	140	0.8		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Bromomethane	mg/kg	110	10	1,000	3.9	0.2		< 0.010	< 0.011	< 0.0097	< 0.011
2-Butanone	mg/kg	---	---	---	---	---		< 0.076	< 0.082	< 0.072	< 0.085
Carbon Disulfide	mg/kg	7,800	720	20,000	9.0	32		< 0.051	< 0.054	< 0.048	< 0.057
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	0.07		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	1.0		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Chloroethane	mg/kg	---	---	---	---	---		< 0.010	< 0.011	< 0.0097	< 0.011
Chloroform	mg/kg	100	0.3	2,000	0.76	0.6		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Chloromethane	mg/kg	---	---	---	---	---		< 0.010	< 0.011	< 0.0097	< 0.011
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1,200	0.4		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Dibromochloromethane	mg/kg	1,600	1,300	41,000	1,300	0.4		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,1-Dichloroethane	mg/kg	7,800	1,300	200,000	130	23		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,2-Dichloroethane	mg/kg	7.0	0.4	1,400	0.99	0.02		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,1-Dichloroethene	mg/kg	3,900	290	10,000	3.0	0.06		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,2-Dichloropropane	mg/kg	9.0	15	1,800	0.5	0.03		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,3-Dichloropropene (cis + trans)	mg/kg	6.4	1.1	1,200	0.39	0.005		< 0.0020	< 0.0022	< 0.0019	< 0.0023
2-Hexanone	mg/kg	---	---	---	---	---		< 0.020	< 0.022	< 0.019	< 0.023
4-Methyl-2-pentanone	mg/kg	---	---	---	---	---		< 0.020	< 0.022	< 0.019	< 0.023
Methylene Chloride	mg/kg	85	13	12,000	34	0.02		< 0.010	< 0.011	< 0.0097	< 0.011
Styrene	mg/kg	16,000	1,500	41,000	430	4.0		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Tetrachloroethene	mg/kg	12	11	2,400	28	0.06		< 0.0051	< 0.0054	< 0.0048	< 0.0057
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3,100	0.7		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Trichloroethene	mg/kg	58	5.0	1,200	12	0.06		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,1,1-Trichloroethane	mg/kg	---	1,200	---	1,200	2.0		< 0.0051	< 0.0054	< 0.0048	< 0.0057
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1,800	0.02		< 0.0051	< 0.0054	< 0.0048	< 0.0057
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	0.01		< 0.0051	< 0.0054	< 0.0048	< 0.0057

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-01 (0.5)	SB-01 (1-3)	SB-01 (7.5-10)	DUP-001 (SB-01)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						
		Ingestion	Inhalation	Ingestion	Inhalation							
						Class I						
Semivolatile Organic Analytical Parameters												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.036	< 0.039	< 0.047	< 0.045	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.036	< 0.039	< 0.047	< 0.045	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	0.048	< 0.039	< 0.047	< 0.045	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	0.14	0.068	0.076	< 0.045	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	0.19	0.077	0.07	< 0.045	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	0.17	0.072	0.05	< 0.045	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	0.13	0.042	< 0.047	< 0.045	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	0.12	0.054	0.055	< 0.045	
Chrysene	mg/kg	88	---	17,000	---	160	11	0.16	0.072	0.08	< 0.045	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.036	< 0.039	< 0.047	< 0.045	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	0.24	0.11	0.14	< 0.045	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.036	< 0.039	< 0.047	< 0.045	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	0.1	< 0.039	< 0.047	< 0.045	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.036	< 0.039	< 0.047	< 0.045	
Phenanthrene	mg/kg	---	---	---	---	---	15	0.1	0.074	0.11	< 0.045	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	0.24	0.11	0.13	< 0.045	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.19	< 0.20	< 0.24	< 0.24	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 0.92	< 0.96	< 1.2	< 1.2	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 0.92	< 0.96	< 1.2	< 1.2	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.19	< 0.20	< 0.24	< 0.24	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.19	< 0.20	< 0.24	< 0.24	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.39	< 0.47	< 0.45	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.19	< 0.20	< 0.24	< 0.24	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.19	< 0.20	< 0.24	< 0.24	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.19	< 0.20	< 0.24	< 0.24	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.19	< 0.20	< 0.24	< 0.24	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.19	< 0.20	< 0.24	< 0.24	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 0.92	< 0.96	< 1.2	< 1.2	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 0.92	< 0.96	< 1.2	< 1.2	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 0.92	< 0.96	< 1.2	< 1.2	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.19	< 0.20	< 0.24	< 0.24	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-02 (0.5)	SB-02 (1-3)	SB-02 (8.5-10)	SB-03 (0.5)	
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route			Sample Depth (feet)	0.5	1-3	8.5-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I			Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
						Chicago							
<b>Semivolatile Organic Analytical Parameters</b>													
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.036	< 0.035	< 0.045	< 0.45		
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.036	< 0.035	< 0.045	< 0.45		
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	0.073	0.038	0.059	< 0.45		
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	0.37	0.13	0.12	0.46		
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	0.43	0.16	0.12	0.77		
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	0.35	0.17	0.11	0.74		
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	0.28	0.089	0.099	0.82		
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	0.34	0.092	0.099	< 0.45		
Chrysene	mg/kg	88	---	17,000	---	160	11	0.38	0.14	0.14	0.63		
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	0.13	< 0.035	< 0.045	< 0.45		
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	0.68	0.21	0.2	0.88		
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.036	< 0.035	< 0.045	< 0.45		
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	0.22	0.073	0.06	< 0.45		
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.036	< 0.035	0.12	< 0.45		
Phenanthrene	mg/kg	---	---	---	---	---	15	0.25	0.14	0.29	< 0.45		
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	0.63	0.2	0.24	0.8		
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3		
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.19	< 0.18	< 0.23	< 2.3		
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 0.90	< 0.88	< 1.1	970		
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3		
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 0.90	< 0.88	< 1.1	< 11		
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.19	< 0.18	< 0.23	< 2.3		
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.19	< 0.18	< 0.23	< 2.3		
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3		
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.35	< 0.45	< 4.5		
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.19	< 0.18	< 0.23	< 2.3		
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3		
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3		
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.19	< 0.18	< 0.23	< 2.3		
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3		
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.19	< 0.18	< 0.23	< 2.3		
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.19	< 0.18	< 0.23	< 2.3		
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.19	< 0.18	< 0.23	< 2.3		
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 0.90	< 0.88	< 1.1	< 11		
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 0.90	< 0.88	< 1.1	< 11		
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 0.90	< 0.88	< 1.1	< 11		
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.19	< 0.18	< 0.23	< 2.3		

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	DUP-02 (SB-03)	SB-03 (1-3)	SB-03 (4-6)	SB-04 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	4-6	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.36	< 0.039	< 0.039	< 0.039	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.36	< 0.039	< 0.039	< 0.039	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.36	< 0.039	< 0.039	0.096	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	< 0.48	< 0.039	< 0.039	0.37	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	0.69	< 0.039	< 0.039	0.35	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	0.53	< 0.039	< 0.039	0.29	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	0.77	< 0.039	< 0.039	0.2	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	0.63	< 0.039	< 0.039	0.29	
Chrysene	mg/kg	88	---	17,000	---	160	11	0.56	0.051	< 0.039	0.38	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.36	< 0.039	< 0.039	< 0.039	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	0.8	0.084	< 0.039	0.59	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.36	< 0.039	< 0.039	< 0.039	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	< 0.36	< 0.039	< 0.039	0.16	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.36	< 0.039	< 0.039	0.077	
Phenanthrene	mg/kg	---	---	---	---	---	15	< 0.36	0.061	0.045	0.48	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	0.8	0.081	0.044	0.66	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 1.8	< 0.20	< 0.20	< 0.20	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 9.0	< 0.97	< 0.99	< 0.98	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 9.0	< 0.97	< 0.99	< 0.98	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 1.8	< 0.20	< 0.20	< 0.20	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 1.8	< 0.20	< 0.20	< 0.20	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 3.6	< 0.39	< 0.39	< 0.39	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 1.8	< 0.20	< 0.20	< 0.20	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 1.8	< 0.20	< 0.20	< 0.20	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 1.8	< 0.20	< 0.20	< 0.20	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 1.8	< 0.20	< 0.20	< 0.20	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 1.8	< 0.20	< 0.20	< 0.20	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 9.0	< 0.97	< 0.99	< 0.98	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 9.0	< 0.97	< 0.99	< 0.98	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 9.0	< 0.97	< 0.99	< 0.98	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 1.8	< 0.20	< 0.20	< 0.20	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-04 (1-3)	SB-04 (3-5)	SB-05 (0.5)	SB-05 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	1-3	3-5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
						Chicago						
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	0.59	< 0.040	< 0.36	< 0.041	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.041	< 0.040	< 0.36	< 0.041	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	2.1	< 0.040	< 0.36	0.058	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	3.5	< 0.040	0.38	0.19	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	3.8	< 0.040	0.53	0.18	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	3.8	< 0.040	0.47	0.14	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	2.1	< 0.040	0.61	0.11	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	1.5	< 0.040	< 0.36	0.13	
Chrysene	mg/kg	88	---	17,000	---	160	11	3.4	< 0.040	0.4	0.18	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	1.1	< 0.040	< 0.36	< 0.041	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	7	< 0.040	0.78	0.36	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	0.92	< 0.040	< 0.36	< 0.041	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	1.9	< 0.040	< 0.36	0.075	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	0.38	< 0.040	< 0.36	< 0.041	
Phenanthrene	mg/kg	---	---	---	---	---	15	6.5	< 0.040	< 0.36	0.19	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	6.2	0.042	0.68	0.31	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.21	< 0.21	< 1.9	< 0.21	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 1.0	< 1.0	< 9.1	< 1.0	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 1.0	< 1.0	< 9.1	< 1.0	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	0.73	< 0.21	< 1.9	< 0.21	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.21	< 0.21	< 1.9	< 0.21	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.41	< 0.40	< 3.6	< 0.41	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.21	< 0.21	< 1.9	< 0.21	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
Dibenzofuran	mg/kg	---	---	---	---	---	---	0.58	< 0.21	< 1.9	< 0.21	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.21	< 0.21	< 1.9	< 0.21	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.21	< 0.21	< 1.9	< 0.21	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.21	< 0.21	< 1.9	< 0.21	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.21	< 0.21	< 1.9	< 0.21	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 1.0	< 1.0	< 9.1	< 1.0	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 1.0	< 1.0	< 9.1	< 1.0	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 1.0	< 1.0	< 9.1	< 1.0	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.21	< 0.21	< 1.9	< 0.21	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-05 (4-6)	SB-06 (0.5)	SB-06 (1-3)	SB-06 (4-6)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	4-6	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.040	< 0.34	< 0.051	< 0.040	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.040	< 0.34	< 0.051	< 0.040	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.040	< 0.34	< 0.051	< 0.040	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	< 0.040	< 0.34	< 0.051	< 0.040	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	< 0.040	0.35	0.086	< 0.040	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	< 0.040	< 0.34	< 0.051	< 0.040	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	< 0.040	0.79	0.44	< 0.040	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	< 0.040	< 0.34	0.051	< 0.040	
Chrysene	mg/kg	88	---	17,000	---	160	11	< 0.040	< 0.34	0.058	< 0.040	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.040	< 0.34	< 0.051	< 0.040	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	< 0.040	< 0.34	0.087	< 0.040	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.040	< 0.34	< 0.051	< 0.040	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	< 0.040	< 0.34	0.062	< 0.040	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.040	< 0.34	< 0.051	< 0.040	
Phenanthrene	mg/kg	---	---	---	---	---	15	< 0.040	< 0.34	0.087	< 0.040	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	< 0.040	< 0.34	0.15	< 0.040	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.21	< 1.8	< 0.26	< 0.21	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 1.0	< 8.6	< 1.3	< 1.0	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 1.0	< 8.6	< 1.3	< 1.0	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.21	< 1.8	< 0.26	< 0.21	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.21	< 1.8	< 0.26	< 0.21	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.40	< 3.4	< 0.51	< 0.40	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.21	< 1.8	< 0.26	< 0.21	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.21	< 1.8	< 0.26	< 0.21	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.21	< 1.8	< 0.26	< 0.21	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.21	< 1.8	< 0.26	< 0.21	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.21	< 1.8	< 0.26	< 0.21	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 1.0	< 8.6	< 1.3	< 1.0	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 1.0	< 8.6	< 1.3	< 1.0	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 1.0	< 8.6	< 1.3	< 1.0	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.21	< 1.8	< 0.26	< 0.21	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-07 (0.5)	SB-07 (1-3)	DUP-003 (SB-07)	SB-07 (3-5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						
		Ingestion	Inhalation	Ingestion	Inhalation							
						Class I						
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.34	< 0.040	0.083	0.35	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.34	< 0.040	< 0.041	1	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.34	0.052	0.23	2.1	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	< 0.34	0.3	0.78	5.3	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	0.77	0.31	0.84	7.6	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	0.63	0.28	0.75	5.5	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	0.78	0.21	0.5	6.3	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	0.4	0.28	0.54	4.2	
Chrysene	mg/kg	88	---	17,000	---	160	11	< 0.34	0.29	0.72	5.2	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.34	0.12	0.25	1.9	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	< 0.34	0.49	1.5	9.7	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.34	< 0.040	0.049	0.73	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	0.47	0.18	0.48	4.5	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.34	< 0.040	< 0.041	0.66	
Phenanthrene	mg/kg	---	---	---	---	---	15	< 0.34	0.19	0.7	8.5	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	0.42	0.44	1.4	11	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 1.8	< 0.21	< 0.21	< 0.23	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 8.6	< 1.0	< 1.0	< 1.1	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 8.6	< 1.0	< 1.0	< 1.1	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 1.8	< 0.21	< 0.21	0.44	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 1.8	< 0.21	< 0.21	< 0.23	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 3.4	< 0.40	< 0.41	< 0.45	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 1.8	< 0.21	< 0.21	< 0.23	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	0.61	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 1.8	< 0.21	< 0.21	< 0.23	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 1.8	< 0.21	< 0.21	< 0.23	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 1.8	< 0.21	< 0.21	< 0.23	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 1.8	< 0.21	< 0.21	< 0.23	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 8.6	< 1.0	< 1.0	< 1.1	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 8.6	< 1.0	< 1.0	< 1.1	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 8.6	< 1.0	< 1.0	< 1.1	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 1.8	< 0.21	< 0.21	< 0.23	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-08 (1-3)	SB-08 (5-7.5)	SB-9 (0.5)	SB-9 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	1-3	5-7.5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	11/01/2023	11/01/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	0.053	< 0.039	< 0.35	< 0.36	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.036	< 0.039	< 0.35	< 0.36	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	0.35	0.042	< 0.35	< 0.36	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	2.7	0.16	< 0.35	0.64	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	2.8	0.14	< 0.35	0.89	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	2.7	0.16	0.45	0.89	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	1.7	0.072	0.77	0.95	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	2	0.085	< 0.35	0.91	
Chrysene	mg/kg	88	---	17,000	---	160	11	2.5	0.17	0.35	0.94	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	0.93	< 0.039	< 0.35	< 0.36	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	4.3	0.37	0.36	1.3	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	0.061	< 0.039	< 0.35	< 0.36	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	1.5	0.074	0.38	0.59	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.036	0.043	< 0.35	< 0.36	
Phenanthrene	mg/kg	---	---	---	---	---	15	1.1	0.27	< 0.35	< 0.36	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	4.1	0.31	< 0.35	1.2	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.19	< 0.20	< 1.8	< 1.8	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 0.91	< 0.98	< 8.7	< 9.0	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 0.91	< 0.98	< 8.7	< 9.0	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.19	< 0.20	< 1.8	< 1.8	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.19	< 0.20	< 1.8	< 1.8	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.39	< 3.5	< 3.6	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.19	< 0.20	< 1.8	< 1.8	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.19	< 0.20	< 1.8	< 1.8	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.19	< 0.20	< 1.8	< 1.8	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.19	< 0.20	< 1.8	< 1.8	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.19	< 0.20	< 1.8	< 1.8	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 0.91	< 0.98	< 8.7	< 9.0	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 0.91	< 0.98	< 8.7	< 9.0	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 0.91	< 0.98	< 8.7	< 9.0	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.19	< 0.20	< 1.8	< 1.8	



**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-9 (5-7)	SB-10 (0.5)	SB-10 (1-3)	SB-10 (7-9)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	5-7	0.5	1-3	7-9
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.040	< 0.38	< 0.038	< 0.046	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.040	< 0.38	< 0.038	< 0.046	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.040	< 0.38	0.051	0.063	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	< 0.040	0.41	0.22	0.14	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	< 0.040	0.6	0.25	0.14	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	< 0.040	0.55	0.22	0.13	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	< 0.040	0.62	0.17	0.092	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	< 0.040	0.42	0.19	0.11	
Chrysene	mg/kg	88	---	17,000	---	160	11	< 0.040	0.55	0.25	0.14	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.040	< 0.38	0.087	< 0.046	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	< 0.040	0.67	0.36	0.22	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.040	< 0.38	< 0.038	0.054	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	< 0.040	< 0.38	0.12	0.076	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.040	< 0.38	< 0.038	< 0.046	
Phenanthrene	mg/kg	---	---	---	---	---	15	< 0.040	< 0.38	0.24	0.29	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	< 0.040	0.71	0.37	0.23	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.21	< 2.0	< 0.20	< 0.24	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 1.0	< 9.6	< 0.96	< 1.2	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 1.0	< 9.6	< 0.96	< 1.2	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.21	< 2.0	< 0.20	< 0.24	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.21	< 2.0	< 0.20	< 0.24	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.40	< 3.8	< 0.38	< 0.46	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.21	< 2.0	< 0.20	< 0.24	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.21	< 2.0	< 0.20	< 0.24	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.21	< 2.0	< 0.20	< 0.24	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.21	< 2.0	< 0.20	< 0.24	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.21	< 2.0	< 0.20	< 0.24	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 1.0	< 9.6	< 0.96	< 1.2	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 1.0	< 9.6	< 0.96	< 1.2	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 1.0	< 9.6	< 0.96	< 1.2	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.21	< 2.0	< 0.20	< 0.24	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-11 (0.5)	SB-11 (1-3)	SB-11 (8-10)	SB-12 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	8-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
						Chicago						
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.36	< 0.36	< 0.037	< 0.35	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.36	< 0.36	< 0.037	< 0.35	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.36	0.74	< 0.037	< 0.35	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	0.82	2.8	0.052	0.42	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	0.86	3.4	0.062	0.59	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	0.75	3.3	0.05	0.64	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	0.97	1.9	0.037	0.62	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	0.96	1.6	0.048	0.48	
Chrysene	mg/kg	88	---	17,000	---	160	11	0.93	3	0.07	0.59	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.36	< 0.36	< 0.037	< 0.35	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	1.2	5.8	0.082	0.61	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.36	< 0.36	< 0.037	< 0.35	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	0.61	1.9	< 0.037	0.39	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.36	< 0.36	< 0.037	< 0.35	
Phenanthrene	mg/kg	---	---	---	---	---	15	0.46	2.5	0.092	< 0.35	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	1.3	4.7	0.094	0.61	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 1.8	< 1.9	< 0.19	< 1.8	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 9.0	< 9.2	< 0.94	< 8.8	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 9.0	< 9.2	< 0.94	< 8.8	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 1.8	< 1.9	< 0.19	< 1.8	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 1.8	< 1.9	< 0.19	< 1.8	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 3.6	< 3.6	< 0.37	< 3.5	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 1.8	< 1.9	< 0.19	< 1.8	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 1.8	< 1.9	< 0.19	< 1.8	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 1.8	< 1.9	< 0.19	< 1.8	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 1.8	< 1.9	< 0.19	< 1.8	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 1.8	< 1.9	< 0.19	< 1.8	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 9.0	< 9.2	< 0.94	< 8.8	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 9.0	< 9.2	< 0.94	< 8.8	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 9.0	< 9.2	< 0.94	< 8.8	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 1.8	< 1.9	< 0.19	< 1.8	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Soil Component of the Groundwater Ingestion Route	Background	Sample Identification	SB-12 (1-3)	SB-12 (5-7)	SB-13 (0.5)	DUP-005 (SB-13)		
		Residential Properties		Construction Workers				Class I	Chicago	Sample Depth (feet)	1-3	5-7	0.5	0.5
		Ingestion	Inhalation	Ingestion	Inhalation					Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
		Semivolatile Organic Analytical Parameters												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	0.076	< 0.045	< 0.35	< 0.34			
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	0.071	< 0.045	< 0.35	< 0.34			
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	0.27	< 0.045	< 0.35	< 0.34			
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	1.8	< 0.045	< 0.35	< 0.34			
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	2	0.058	< 0.35	< 0.34			
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	1.3	0.048	< 0.35	< 0.34			
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	1.1	0.048	0.5	0.45			
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	1.3	< 0.045	< 0.35	< 0.34			
Chrysene	mg/kg	88	---	17,000	---	160	11	2	< 0.045	< 0.35	0.36			
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	0.52	< 0.045	< 0.35	< 0.34			
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	2.4	0.05	< 0.35	< 0.34			
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	0.063	< 0.045	< 0.35	< 0.34			
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	0.81	< 0.045	< 0.35	< 0.34			
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	0.062	< 0.045	< 0.35	< 0.34			
Phenanthrene	mg/kg	---	---	---	---	---	15	1.1	0.047	< 0.35	< 0.34			
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	3.2	0.056	0.4	0.41			
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8			
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.19	< 0.23	< 1.8	< 1.8			
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 0.94	< 1.1	< 8.7	< 8.7			
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8			
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 0.94	< 1.1	< 8.7	< 8.7			
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.19	< 0.23	< 1.8	< 1.8			
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.19	< 0.23	< 1.8	< 1.8			
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8			
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.37	< 0.45	< 3.5	< 3.4			
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.19	< 0.23	< 1.8	< 1.8			
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8			
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8			
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.19	< 0.23	< 1.8	< 1.8			
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8			
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.19	< 0.23	< 1.8	< 1.8			
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.19	< 0.23	< 1.8	< 1.8			
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.19	< 0.23	< 1.8	< 1.8			
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 0.94	< 1.1	< 8.7	< 8.7			
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 0.94	< 1.1	< 8.7	< 8.7			
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 0.94	< 1.1	< 8.7	< 8.7			
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.19	< 0.23	< 1.8	< 1.8			

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-13 (1-3)	SB-13 (4-6)	SB-14 (0.5)	SB-14 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						
		Ingestion	Inhalation	Ingestion	Inhalation	Class I						
		Chicago		Chicago		Chicago						
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.35	< 0.042	< 0.34	0.45	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.35	< 0.042	< 0.34	0.22	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.35	< 0.042	< 0.34	1.7	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	0.66	< 0.042	< 0.41	4.6	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	0.81	< 0.042	0.74	4.7	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	0.7	< 0.042	0.55	3.9	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	0.79	< 0.042	0.61	2.5	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	0.57	< 0.042	0.61	3.7	
Chrysene	mg/kg	88	---	17,000	---	160	11	0.68	< 0.042	0.57	4.7	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.35	< 0.042	< 0.34	1.3	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	1.1	< 0.042	0.63	9.7	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.35	< 0.042	< 0.34	0.45	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	0.49	< 0.042	0.39	2.2	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.35	< 0.042	< 0.34	0.23	
Phenanthrene	mg/kg	---	---	---	---	---	15	0.45	< 0.042	< 0.34	6	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	1.1	< 0.042	0.67	8.3	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 1.8	< 0.22	< 1.8	< 0.20	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 8.7	< 1.1	< 8.6	< 0.95	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 8.7	< 1.1	< 8.6	< 0.95	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 1.8	< 0.22	< 1.8	0.57	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 1.8	< 0.22	< 1.8	< 0.20	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 3.5	< 0.42	< 3.4	< 0.38	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 1.8	< 0.22	< 1.8	< 0.20	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	0.28	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 1.8	< 0.22	< 1.8	< 0.20	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 1.8	< 0.22	< 1.8	< 0.20	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 1.8	< 0.22	< 1.8	< 0.20	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 1.8	< 0.22	< 1.8	< 0.20	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 8.7	< 1.1	< 8.6	< 0.95	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 8.7	< 1.1	< 8.6	< 0.95	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 8.7	< 1.1	< 8.6	< 0.95	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 1.8	< 0.22	< 1.8	< 0.20	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-14 (7-9)	SB-15 (0.5)	SB-15 (1-3)	DUP-004 (SB-15)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						
		Ingestion	Inhalation	Ingestion	Inhalation							
						Class I						
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.045	< 0.36	< 0.37	< 0.37	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.045	< 0.36	< 0.37	< 0.37	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.045	< 0.36	< 0.37	< 0.37	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	< 0.045	0.63	0.74	0.47	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	< 0.045	0.87	0.63	0.5	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	< 0.045	1	0.62	0.5	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	< 0.045	0.86	0.62	< 0.37	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	< 0.045	0.46	0.44	< 0.37	
Chrysene	mg/kg	88	---	17,000	---	160	11	< 0.045	1	1	0.57	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.045	< 0.36	< 0.37	< 0.37	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	< 0.045	0.96	1	0.63	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.045	< 0.36	< 0.37	< 0.37	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	< 0.045	0.58	0.46	< 0.37	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.045	< 0.36	< 0.37	< 0.37	
Phenanthrene	mg/kg	---	---	---	---	---	15	< 0.045	0.79	1.3	0.59	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	< 0.045	1.1	1.2	0.72	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.23	< 1.9	< 1.9	< 1.9	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 1.1	< 9.1	< 9.3	< 9.3	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 1.1	< 9.1	< 9.3	< 9.3	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.23	< 1.9	< 1.9	< 1.9	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.23	< 1.9	< 1.9	< 1.9	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.45	< 3.6	< 3.7	< 3.7	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.23	< 1.9	< 1.9	< 1.9	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.23	< 1.9	< 1.9	< 1.9	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.23	< 1.9	< 1.9	< 1.9	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.23	< 1.9	< 1.9	< 1.9	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.23	< 1.9	< 1.9	< 1.9	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 1.1	< 9.1	< 9.3	< 9.3	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 1.1	< 9.1	< 9.3	< 9.3	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 1.1	< 9.1	< 9.3	< 9.3	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.23	< 1.9	< 1.9	< 1.9	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background	Sample Identification	SB-15 (3-5)	SB-16 (0.5)	SB-16 (1-3)	SB-16 (4-6)	
		Residential Properties		Construction Workers								Soil Component of the Groundwater Ingestion Route
		Ingestion	Inhalation	Ingestion	Inhalation							
												Class I
<b>Semivolatile Organic Analytical Parameters</b>												
Acenaphthene	mg/kg	4,700	---	120,000	---	570	0.94	< 0.041	< 0.36	< 0.37	< 0.040	
Acenaphthylene	mg/kg	---	---	---	---	---	0.25	< 0.041	< 0.36	< 0.37	< 0.040	
Anthracene	mg/kg	23,000	---	610,000	---	12,000	2.6	< 0.041	< 0.36	< 0.37	< 0.040	
Benzo(a)anthracene	mg/kg	0.9	---	170	---	2	11	< 0.041	0.36	0.64	< 0.040	
Benzo(a)pyrene	mg/kg	0.09	---	17	---	8	11	< 0.041	0.64	0.93	< 0.040	
Benzo(b)fluoranthene	mg/kg	0.9	---	170	---	5	13	< 0.041	0.53	0.42	< 0.040	
Benzo(g,h,i)perylene	mg/kg	---	---	---	---	---	4.4	< 0.041	0.81	0.73	< 0.040	
Benzo(k)fluoranthene	mg/kg	9.0	---	1,700	---	49	8.1	< 0.041	0.47	0.62	< 0.040	
Chrysene	mg/kg	88	---	17,000	---	160	11	< 0.041	0.46	0.79	< 0.040	
Dibenzo(a,h)anthracene	mg/kg	0.09	---	17	---	2.0	1.0	< 0.041	< 0.36	< 0.37	< 0.040	
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	28	< 0.041	0.4	0.89	< 0.040	
Fluorene	mg/kg	3,100	---	82,000	---	560	1.1	< 0.041	< 0.36	< 0.37	< 0.040	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	---	170	---	14	5.8	< 0.041	< 0.36	< 0.37	< 0.040	
Naphthalene	mg/kg	1,600	170	4,100	1.8	12	0.26	< 0.041	< 0.36	< 0.37	< 0.040	
Phenanthrene	mg/kg	---	---	---	---	---	15	< 0.041	< 0.36	0.38	< 0.040	
Pyrene	mg/kg	2,300	---	61,000	---	4,200	18	< 0.041	0.51	1.5	< 0.040	
Bis(2-Chloroethoxy)methane	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
Bis(2-Chloroethyl)ether	mg/kg	0.66	0.66	75	0.66	0.66	---	< 0.21	< 1.8	< 1.9	< 0.21	
Bis(2-Ethylhexyl)phthalate	mg/kg	46	31,000	4,100	31,000	3,600	---	< 1.0	< 9.0	< 9.3	< 1.0	
4-Bromophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
Butyl benzyl phthalate	mg/kg	16,000	930	410,000	930	930	---	< 1.0	< 9.0	< 9.3	< 1.0	
Carbazole	mg/kg	32	---	6,200	---	0.6	---	< 0.21	< 1.8	< 1.9	< 0.21	
4-Chloroaniline	mg/kg	310	---	820	---	0.7	---	< 0.21	< 1.8	< 1.9	< 0.21	
2-Chloronaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
4-Chloro-3-methylphenol	mg/kg	---	---	---	---	---	---	< 0.41	< 3.6	< 3.7	< 0.40	
2-Chlorophenol	mg/kg	390	53,000	10,000	53,000	4.0	---	< 0.21	< 1.8	< 1.9	< 0.21	
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
Dibenzofuran	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	17	---	< 0.21	< 1.8	< 1.9	< 0.21	
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
1,4-Dichlorobenzene	mg/kg	---	11,000	---	340	2.0	---	< 0.21	< 1.8	< 1.9	< 0.21	
3,3'-Dichlorobenzidine	mg/kg	1.3	---	280	---	1.3	---	< 0.21	< 1.8	< 1.9	< 0.21	
2,4-Dichlorophenol	mg/kg	230	---	610	---	1.0	---	< 0.21	< 1.8	< 1.9	< 0.21	
Diethyl phthalate	mg/kg	63,000	2,000	1,000,000	2,000	470	---	< 1.0	< 9.0	< 9.3	< 1.0	
Dimethyl phthalate	mg/kg	---	---	---	---	---	---	< 1.0	< 9.0	< 9.3	< 1.0	
Di-n-butylphthalate	mg/kg	7,800	2,300	200,000	2,300	2,300	---	< 1.0	< 9.0	< 9.3	< 1.0	
2,4-Dimethylphenol	mg/kg	1,600	---	41,000	---	9	---	< 0.21	< 1.8	< 1.9	< 0.21	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-01 (0.5)	SB-01 (1-3)	SB-01 (7.5-10)	DUP-001 (SB-01)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	7.5-10	7.5-10
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.39	< 0.47	< 0.45	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 0.92	< 0.96	< 1.2	< 1.2	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.036	< 0.039	< 0.047	< 0.045	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.036	< 0.039	< 0.047	< 0.045	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 0.92	< 0.96	< 1.2	< 1.2	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.19	< 0.20	< 0.24	< 0.24	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.19	< 0.20	< 0.24	< 0.24	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.19	< 0.20	< 0.24	< 0.24	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.19	< 0.20	< 0.24	< 0.24	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.19	< 0.20	< 0.24	< 0.24	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.036	< 0.039	< 0.047	< 0.045	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.39	< 0.47	< 0.45	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.036	< 0.039	< 0.047	< 0.045	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.036	< 0.20	< 0.24	< 0.24	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 0.24	< 0.24	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.036	< 0.077	< 0.093	< 0.092	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.19	< 0.20	< 0.24	< 0.24	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.19	< 0.20	< 0.24	< 0.24	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.19	< 0.20	< 0.24	< 0.24	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.19	< 0.20	< 0.24	< 0.24	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-02 (0.5)	SB-02 (1-3)	SB-02 (8.5-10)	SB-03 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	8.5-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.35	< 0.45	< 4.5	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 0.90	< 0.88	< 1.1	< 11	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.036	< 0.035	< 0.045	< 0.45	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.036	< 0.035	< 0.045	< 0.45	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 0.90	< 0.88	< 1.1	< 11	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.19	< 0.18	< 0.23	< 2.3	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.19	< 0.18	< 0.23	< 2.3	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.19	< 0.18	< 0.23	< 2.3	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.19	< 0.18	< 0.23	< 2.3	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	0.24	< 2.3	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.19	< 0.18	< 0.23	< 2.3	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.036	< 0.035	< 0.045	< 0.45	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.35	< 0.45	< 4.5	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.036	< 0.035	< 0.045	< 0.45	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.036	< 0.18	< 0.23	< 0.45	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.19	< 0.18	< 0.23	< 2.3	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.036	< 0.071	< 0.091	< 0.45	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.19	< 0.18	< 0.23	< 2.3	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.19	< 0.18	< 0.23	< 2.3	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.19	< 0.18	< 0.23	< 2.3	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.19	< 0.18	< 0.23	< 2.3	



**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	DUP-02 (SB-03)	SB-03 (1-3)	SB-03 (4-6)	SB-04 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	4-6	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 3.6	< 0.39	< 0.39	< 0.39	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 9.0	< 0.97	< 0.99	< 0.98	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.36	< 0.039	< 0.039	< 0.039	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.36	< 0.039	< 0.039	< 0.039	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 9.0	< 0.97	< 0.99	< 0.98	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 1.8	< 0.20	< 0.20	< 0.20	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 1.8	< 0.20	< 0.20	< 0.20	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 1.8	< 0.20	< 0.20	< 0.20	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 1.8	< 0.20	< 0.20	< 0.20	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	0.2	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 1.8	< 0.20	< 0.20	< 0.20	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.36	< 0.039	< 0.039	< 0.039	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 3.6	< 0.39	< 0.39	< 0.39	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.36	< 0.039	< 0.039	< 0.039	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.36	< 0.20	< 0.20	< 0.039	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 1.8	< 0.20	< 0.20	< 0.20	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.36	< 0.079	< 0.080	< 0.039	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 1.8	< 0.20	< 0.20	< 0.20	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 1.8	< 0.20	< 0.20	< 0.20	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 1.8	< 0.20	< 0.20	< 0.20	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 1.8	< 0.20	< 0.20	< 0.20	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-04 (1-3)	SB-04 (3-5)	SB-05 (0.5)	SB-05 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	1-3	3-5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.41	< 0.40	< 3.6	< 0.41	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 1.0	< 1.0	< 9.1	< 1.0	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.041	< 0.040	< 0.36	< 0.041	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.041	< 0.040	< 0.36	< 0.041	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 1.0	< 1.0	< 9.1	< 1.0	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.21	< 0.21	< 1.9	< 0.21	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.21	< 0.21	< 1.9	< 0.21	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.21	< 0.21	< 1.9	< 0.21	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.21	< 0.21	< 1.9	< 0.21	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	0.4	< 0.21	< 1.9	< 0.21	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.21	< 0.21	< 1.9	< 0.21	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.041	< 0.040	< 0.36	< 0.041	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.41	< 0.40	< 3.6	< 0.41	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.041	< 0.040	< 0.36	< 0.041	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.21	< 0.21	< 0.36	< 0.21	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.21	< 0.21	< 1.9	< 0.21	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.083	< 0.081	< 0.36	< 0.083	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.21	< 0.21	< 1.9	< 0.21	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.21	< 0.21	< 1.9	< 0.21	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.21	< 0.21	< 1.9	< 0.21	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.21	< 0.21	< 1.9	< 0.21	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-05 (4-6)	SB-06 (0.5)	SB-06 (1-3)	SB-06 (4-6)	
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	4-6	0.5	1-3	4-6	
		Ingestion	Inhalation	Ingestion	Inhalation			Class I	Chicago	Date Collected	10/31/2023	10/31/2023	10/31/2023
		Semivolatile Organic Analytical Parameters											
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.40	< 3.4	< 0.51	< 0.40		
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 1.0	< 8.6	< 1.3	< 1.0		
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.040	< 0.34	< 0.051	< 0.040		
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.040	< 0.34	< 0.051	< 0.040		
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 1.0	< 8.6	< 1.3	< 1.0		
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.21	< 1.8	< 0.26	< 0.21		
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.21	< 1.8	< 0.26	< 0.21		
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.21	< 1.8	< 0.26	< 0.21		
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.21	< 1.8	< 0.26	< 0.21		
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.21	< 1.8	< 0.26	< 0.21		
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.040	< 0.34	< 0.051	< 0.040		
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.40	< 3.4	< 0.51	< 0.40		
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.040	< 0.34	< 0.051	< 0.040		
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.21	< 0.34	< 0.26	< 0.21		
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 0.26	< 0.21		
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.082	< 0.34	< 0.10	< 0.081		
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.21	< 1.8	< 0.26	< 0.21		
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.21	< 1.8	< 0.26	< 0.21		
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.21	< 1.8	< 0.26	< 0.21		
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.21	< 1.8	< 0.26	< 0.21		

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-07 (0.5)	SB-07 (1-3)	DUP-003 (SB-07)	SB-07 (3-5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	1-3	3-5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 3.4	< 0.40	< 0.41	< 0.45	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 8.6	< 1.0	< 1.0	< 1.1	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.34	< 0.040	< 0.041	< 0.045	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.34	< 0.040	< 0.041	< 0.045	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 8.6	< 1.0	< 1.0	< 1.1	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 1.8	< 0.21	< 0.21	< 0.23	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 1.8	< 0.21	< 0.21	< 0.23	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 1.8	< 0.21	< 0.21	< 0.23	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 1.8	< 0.21	< 0.21	< 0.23	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	0.51	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 1.8	< 0.21	< 0.21	< 0.23	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.34	< 0.040	< 0.041	< 0.045	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 3.4	< 0.40	< 0.41	< 0.45	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.34	< 0.040	< 0.041	< 0.045	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.34	< 0.21	< 0.21	< 0.23	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 1.8	< 0.21	< 0.21	< 0.23	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.34	< 0.081	< 0.084	< 0.091	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 1.8	< 0.21	< 0.21	< 0.23	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 1.8	< 0.21	< 0.21	< 0.23	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 1.8	< 0.21	< 0.21	< 0.23	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 1.8	< 0.21	< 0.21	< 0.23	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-08 (1-3)	SB-08 (5-7.5)	SB-9 (0.5)	SB-9 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	1-3	5-7.5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	10/31/2023	10/31/2023	11/01/2023	11/01/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.39	< 3.5	< 3.6	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 0.91	< 0.98	< 8.7	< 9.0	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.036	< 0.039	< 0.35	< 0.36	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.036	< 0.039	< 0.35	< 0.36	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 0.91	< 0.98	< 8.7	< 9.0	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.19	< 0.20	< 1.8	< 1.8	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.19	< 0.20	< 1.8	< 1.8	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.19	< 0.20	< 1.8	< 1.8	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.19	< 0.20	< 1.8	< 1.8	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.19	< 0.20	< 1.8	< 1.8	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.036	< 0.039	< 0.35	< 0.36	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.36	< 0.39	< 3.5	< 3.6	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.036	< 0.039	< 0.35	< 0.36	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.19	< 0.20	< 0.35	< 1.8	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.19	< 0.20	< 1.8	< 1.8	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.073	< 0.079	< 0.35	< 0.72	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.19	< 0.20	< 1.8	< 1.8	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.19	< 0.20	< 1.8	< 1.8	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.19	< 0.20	< 1.8	< 1.8	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.19	< 0.20	< 1.8	< 1.8	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-9 (5-7)	SB-10 (0.5)	SB-10 (1-3)	SB-10 (7-9)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	5-7	0.5	1-3	7-9
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.40	< 3.8	< 0.38	< 0.46	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 1.0	< 9.6	< 0.96	< 1.2	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.040	< 0.38	< 0.038	< 0.046	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.040	< 0.38	< 0.038	< 0.046	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 1.0	< 9.6	< 0.96	< 1.2	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.21	< 2.0	< 0.20	< 0.24	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.21	< 2.0	< 0.20	< 0.24	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.21	< 2.0	< 0.20	< 0.24	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.21	< 2.0	< 0.20	< 0.24	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	0.26	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.21	< 2.0	< 0.20	< 0.24	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.040	< 0.38	< 0.038	< 0.046	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.40	< 3.8	< 0.38	< 0.46	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.040	< 0.38	< 0.038	< 0.046	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.21	< 0.38	< 0.20	< 0.24	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.21	< 2.0	< 0.20	< 0.24	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.082	< 0.38	< 0.077	< 0.093	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.21	< 2.0	< 0.20	< 0.24	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.21	< 2.0	< 0.20	< 0.24	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.21	< 2.0	< 0.20	< 0.24	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.21	< 2.0	< 0.20	< 0.24	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-11 (0.5)	SB-11 (1-3)	SB-11 (8-10)	SB-12 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	0.5	1-3	8-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 3.6	< 3.6	< 0.37	< 3.5	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 9.0	< 9.2	< 0.94	< 8.8	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.36	< 0.36	< 0.037	< 0.35	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.36	< 0.36	< 0.037	< 0.35	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 9.0	< 9.2	< 0.94	< 8.8	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 1.8	< 1.9	< 0.19	< 1.8	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 1.8	< 1.9	< 0.19	< 1.8	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 1.8	< 1.9	< 0.19	< 1.8	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 1.8	< 1.9	< 0.19	< 1.8	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 1.8	< 1.9	< 0.19	< 1.8	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.36	< 0.36	< 0.037	< 0.35	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 3.6	< 3.6	< 0.37	< 3.5	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.36	< 0.36	< 0.037	< 0.35	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.36	< 1.9	< 0.19	< 0.35	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 1.8	< 1.9	< 0.19	< 1.8	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.36	< 0.74	< 0.076	< 0.35	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 1.8	< 1.9	< 0.19	< 1.8	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 1.8	< 1.9	< 0.19	< 1.8	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 1.8	< 1.9	< 0.19	< 1.8	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 1.8	< 1.9	< 0.19	< 1.8	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-12 (1-3)	SB-12 (5-7)	SB-13 (0.5)	DUP-005 (SB-13)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						
		Ingestion	Inhalation	Ingestion	Inhalation							
						Class I						
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.37	< 0.45	< 3.5	< 3.4	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 0.94	< 1.1	< 8.7	< 8.7	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.037	< 0.045	< 0.35	< 0.34	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.037	< 0.045	< 0.35	< 0.34	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 0.94	< 1.1	< 8.7	< 8.7	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.19	< 0.23	< 1.8	< 1.8	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.19	< 0.23	< 1.8	< 1.8	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.19	< 0.23	< 1.8	< 1.8	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.19	< 0.23	< 1.8	< 1.8	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.19	< 0.23	< 1.8	< 1.8	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.037	< 0.045	< 0.35	< 0.34	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.37	< 0.45	< 3.5	< 3.4	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.037	< 0.045	< 0.35	< 0.34	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.19	< 0.23	< 0.35	< 0.34	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.19	< 0.23	< 1.8	< 1.8	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.076	< 0.091	< 0.35	< 0.34	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.19	< 0.23	< 1.8	< 1.8	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.19	< 0.23	< 1.8	< 1.8	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.19	< 0.23	< 1.8	< 1.8	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.19	< 0.23	< 1.8	< 1.8	



**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-13 (1-3)	SB-13 (4-6)	SB-14 (0.5)	SB-14 (1-3)	
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	1-3	4-6	0.5	1-3	
		Ingestion	Inhalation	Ingestion	Inhalation			Class I	Chicago	Date Collected	11/01/2023	11/01/2023	11/01/2023
		Semivolatile Organic Analytical Parameters											
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 3.5	< 0.42	< 3.4	< 0.38		
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 8.7	< 1.1	< 8.6	< 0.95		
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.35	< 0.042	< 0.34	< 0.038		
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.35	< 0.042	< 0.34	< 0.038		
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 8.7	< 1.1	< 8.6	< 0.95		
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 1.8	< 0.22	< 1.8	< 0.20		
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 1.8	< 0.22	< 1.8	< 0.20		
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 1.8	< 0.22	< 1.8	< 0.20		
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 1.8	< 0.22	< 1.8	< 0.20		
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 1.8	< 0.22	< 1.8	< 0.20		
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.35	< 0.042	< 0.34	< 0.038		
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 3.5	< 0.42	< 3.4	< 0.38		
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.35	< 0.042	< 0.34	< 0.038		
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 1.8	< 0.22	< 0.34	< 0.20		
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 1.8	< 0.22	< 1.8	< 0.20		
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.70	< 0.085	< 0.34	< 0.077		
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 1.8	< 0.22	< 1.8	< 0.20		
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 1.8	< 0.22	< 1.8	< 0.20		
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 1.8	< 0.22	< 1.8	< 0.20		
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 1.8	< 0.22	< 1.8	< 0.20		

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-14 (7-9)	SB-15 (0.5)	SB-15 (1-3)	DUP-004 (SB-15)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Sample Depth (feet)	7-9	0.5	1-3	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
								Chicago				
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.45	< 3.6	< 3.7	< 3.7	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 1.1	< 9.1	< 9.3	< 9.3	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.045	< 0.36	< 0.37	< 0.37	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.045	< 0.36	< 0.37	< 0.37	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 1.1	< 9.1	< 9.3	< 9.3	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.23	< 1.9	< 1.9	< 1.9	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.23	< 1.9	< 1.9	< 1.9	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.23	< 1.9	< 1.9	< 1.9	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.23	< 1.9	< 1.9	< 1.9	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.23	< 1.9	< 1.9	< 1.9	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.045	< 0.36	< 0.37	< 0.37	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.45	< 3.6	< 3.7	< 3.7	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.045	< 0.36	< 0.37	< 0.37	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.23	< 0.36	< 1.9	< 1.9	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.23	< 1.9	< 1.9	< 1.9	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.091	< 0.36	< 0.75	< 0.75	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.23	< 1.9	< 1.9	< 1.9	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.23	< 1.9	< 1.9	< 1.9	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.23	< 1.9	< 1.9	< 1.9	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.23	< 1.9	< 1.9	< 1.9	

**Table 1 - Terracon Soil Analytical Results - SVOCs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Background	Sample Identification	SB-15 (3-5)	SB-16 (0.5)	SB-16 (1-3)	SB-16 (4-6)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						
		Ingestion	Inhalation	Ingestion	Inhalation							
						Class I						
<b>Semivolatile Organic Analytical Parameters</b>												
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---	---	---	---	< 0.41	< 3.6	< 3.7	< 0.40	
2,4-Dinitrophenol	mg/kg	160	---	410	---	3.3	---	< 1.0	< 9.0	< 9.3	< 1.0	
2,4-Dinitrotoluene	mg/kg	0.9	---	180	---	0.25	---	< 0.041	< 0.36	< 0.37	< 0.040	
2,6-Dinitrotoluene	mg/kg	0.9	---	180	---	0.26	---	< 0.041	< 0.36	< 0.37	< 0.040	
Di-n-octylphthalate	mg/kg	1,600	10,000	4,100	10,000	10,000	---	< 1.0	< 9.0	< 9.3	< 1.0	
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	2.0	---	< 0.21	< 1.8	< 1.9	< 0.21	
Hexachlorobutadiene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.10000	400	---	< 0.21	< 1.8	< 1.9	< 0.21	
Hexachloroethane	mg/kg	78	---	2,000	---	0.5	---	< 0.21	< 1.8	< 1.9	< 0.21	
Isophorone	mg/kg	15,600	4,600	410,000	4,600	8.0	---	< 0.21	< 1.8	< 1.9	< 0.21	
2-Me hlynaphthalene	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
2-Me hylphenol	mg/kg	3,900	---	100,000	---	15	---	< 0.21	< 1.8	< 1.9	< 0.21	
4-Me hylphenol	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
2-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
3-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
4-Nitroaniline	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
Nitrobenzene	mg/kg	39	92	1,000	9.4	0.26	---	< 0.041	< 0.36	< 0.37	< 0.040	
2-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
4-Nitrophenol	mg/kg	---	---	---	---	---	---	< 0.41	< 3.6	< 3.7	< 0.40	
N-Nitroso-di-n-propylamine	mg/kg	0.09	---	18	---	0.0018	---	< 0.041	< 0.36	< 0.37	< 0.040	
N-Nitrosodiphenylamine	mg/kg	130	---	4,100	1.8	1.0	---	< 0.21	< 0.36	< 1.9	< 0.21	
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---	---	---	---	< 0.21	< 1.8	< 1.9	< 0.21	
Pentachlorophenol	mg/kg	3.0	---	520	---	0.03	---	< 0.082	< 0.36	< 0.75	< 0.082	
Phenol	mg/kg	23,000	---	61,000	---	100	---	< 0.21	< 1.8	< 1.9	< 0.21	
1,2,4-Trichlorobenzene	mg/kg	780	3,200	2,000	920	5	---	< 0.21	< 1.8	< 1.9	< 0.21	
2,4,5-Trichlorophenol	mg/kg	7,800	---	200,000	---	270	---	< 0.21	< 1.8	< 1.9	< 0.21	
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	0.66	---	< 0.21	< 1.8	< 1.9	< 0.21	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-01 (0.5)	SB-01 (1-3)	SB-01 (7.5-10)	DUP-001 (SB-01)
		Residential Properties		Construction Workers			Sample Depth (feet)	0.5	1-3	7.5-10	7.5-10
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	12	15	12	6.6	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	130	150	94	99	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	1.6	1.9	5.4	1.1	
Chromium, total	mg/kg	230	270	4,100	690	16.2	28	43	19	8	
Lead	mg/kg	400	---	700	---	36.0	560	720	1200	83	
Mercury	mg/kg	23	10	61	0.1	0.06	0.3	0.62	3.8	0.084	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 1.1	< 1.1	2.4	4.6	
Silver	mg/kg	390	---	1,000	---	0.55	< 1.1	< 1.1	< 1.3	< 1.4	
Aluminum	mg/kg	---	---	---	---	9500	9900	--	--	--	
Antimony	mg/kg	31	---	82	---	4.0	< 2.3	--	--	--	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	1.4	--	--	--	
Calcium	mg/kg	---	---	---	---	9300	63000	--	--	--	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	6.4	--	--	--	
Copper	mg/kg	2,900	---	8,200	---	19.6	280	--	--	--	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	< 0.57	--	--	--	
Iron	mg/kg	---	---	---	---	15900	33000	--	--	--	
Magnesium	mg/kg	325000	---	730000	---	4820	30000	--	--	--	
Manganese	mg/kg	1600	69000	4100	8700	636	400	--	--	--	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	25	--	--	--	
Potassium	mg/kg	---	---	---	---	1268	1600	--	--	--	
Sodium	mg/kg	---	---	---	---	130	1100	--	--	--	
Thallium	mg/kg	6.3	---	160	---	0.32	1.2	--	--	--	
Vanadium	mg/kg	550	---	1,400	---	25.2	31	--	--	--	
Zinc	mg/kg	23,000	---	61,000	---	95.0	420	380	1700	340	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-02 (0.5)	SB-02 (1-3)	SB-02 (8.5-10)	SB-03 (0.5)
		Residential Properties		Construction Workers			Sample Depth (feet)	0.5	1-3	8.5-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	8.1	5.8	8.9	3.5	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	100	68	130	47	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	1.3	0.98	1.6	< 0.64	
Chromium, total	mg/kg	230	270	4,100	690	16.2	24	15	24	15	
Lead	mg/kg	400	---	700	---	36.0	450	210	760	53	
Mercury	mg/kg	23	10	61	0.1	0.06	0.31	0.27	1.3	0.1	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	1.4	1.1	2.2	< 1.3	
Silver	mg/kg	390	---	1,000	---	0.55	< 0.96	< 0.93	< 1.2	< 1.3	
Aluminum	mg/kg	---	---	---	---	9500	6600	--	--	3400	
Antimony	mg/kg	31	---	82	---	4.0	< 1.9	--	--	< 2.6	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	0.9	--	--	< 0.64	
Calcium	mg/kg	---	---	---	---	9300	45000	--	--	190000	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	6.3	--	--	3.2	
Copper	mg/kg	2,900	---	8,200	---	19.6	350	--	--	59	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	< 0.54	--	--	< 0.70	
Iron	mg/kg	---	---	---	---	15900	36000	--	--	12000	
Magnesium	mg/kg	325000	---	730000	---	4820	21000	--	--	99000	
Manganese	mg/kg	1600	69000	4100	8700	636	370	--	--	380	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	24	--	--	15	
Potassium	mg/kg	---	---	---	---	1268	1100	--	--	680	
Sodium	mg/kg	---	---	---	---	130	490	--	--	220	
Thallium	mg/kg	6.3	---	160	---	0.32	< 0.96	--	--	< 1.3	
Vanadium	mg/kg	550	---	1,400	---	25.2	24	--	--	20	
Zinc	mg/kg	23,000	---	61,000	---	95.0	320	220	440	170	

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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	DUP-02 (SB-03)	SB-03 (1-3)	SB-03 (4-6)	SB-04 (0.5)
		Residential Properties		Construction Workers			Sample Depth (feet)	0.5	1-3	4-6	0.5
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	4.3	8.1	12	8.5	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	68	29	59	<b>180</b>	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	<b>0.77</b>	< 0.55	< 0.51	<b>1.1</b>	
Chromium, total	mg/kg	230	270	4,100	690	16.2	<b>18</b>	<b>19</b>	<b>23</b>	<b>21</b>	
Lead	mg/kg	400	---	700	---	36.0	<b>130</b>	36	27	<b>550</b>	
Mercury	mg/kg	23	10	61	0.1	0.06	<b>0.27</b>	< 0.020	0.03	<b>0.83</b>	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 1.0	<b>1.3</b>	< 1.0	<b>1.3</b>	
Silver	mg/kg	390	---	1,000	---	0.55	< 1.0	< 1.1	< 1.0	< 1.1	
Aluminum	mg/kg	---	---	---	---	9500	4800	--	--	<b>13000</b>	
Antimony	mg/kg	31	---	82	---	4.0	< 2.0	--	--	4.0	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	< 0.51	--	--	<b>2.6</b>	
Calcium	mg/kg	---	---	---	---	9300	<b>120000</b>	--	--	<b>28000</b>	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	4.5	--	--	5.8	
Copper	mg/kg	2,900	---	8,200	---	19.6	<b>58</b>	--	--	<b>500</b>	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	< 0.55	--	--	< 0.61	
Iron	mg/kg	---	---	---	---	15900	13000	--	--	<b>44000</b>	
Magnesium	mg/kg	325000	---	730000	---	4820	<b>61000</b>	--	--	1300	
Manganese	mg/kg	1600	69000	4100	8700	636	290	--	--	290	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	14	--	--	<b>21</b>	
Potassium	mg/kg	---	---	---	---	1268	960	--	--	<b>1500</b>	
Sodium	mg/kg	---	---	---	---	130	<b>160</b>	--	--	<b>1200</b>	
Thallium	mg/kg	6.3	---	160	---	0.32	< 1.0	--	--	< 2.3	
Vanadium	mg/kg	550	---	1,400	---	25.2	21	--	--	<b>43</b>	
Zinc	mg/kg	23,000	---	61,000	---	95.0	<b>230</b>	70	68	<b>300</b>	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background	Sample Identification	SB-04 (1-3)	SB-04 (3-5)	SB-05 (0.5)	SB-05 (1-3)		
		Residential Properties		Construction Workers				MSAs	Sample Depth (feet)	1-3	3-5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation				Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Inorganic Analytical Parameters</b>													
Arsenic	mg/kg	13.0	750	61	25,000	13.0	8.5	4.6	3.8	9.2			
Barium	mg/kg	5,500	690,000	14,000	870,000	110	<b>590</b>	63	<b>120</b>	82			
Cadmium	mg/kg	78	1,800	200	59,000	0.6	<b>0.88</b>	< 0.57	< 0.47	< 0.58			
Chromium, total	mg/kg	230	270	4,100	690	16.2	13	<b>28</b>	13	<b>25</b>			
Lead	mg/kg	400	---	700	---	36.0	<b>1200</b>	32	34	<b>73</b>			
Mercury	mg/kg	23	10	61	0.1	0.06	0.024	< 0.021	0.047	0.049			
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--			
Selenium	mg/kg	390	---	1,000	---	0.48	<b>1.3</b>	< 1.1	< 0.94	< 1.2			
Silver	mg/kg	390	---	1,000	---	0.55	< 1.2	< 1.1	< 0.94	< 1.2			
Aluminum	mg/kg	---	---	---	---	9500	--	--	4700	--			
Antimony	mg/kg	31	---	82	---	4.0	--	--	< 1.9	--			
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	--	<b>1.2</b>	--			
Calcium	mg/kg	---	---	---	---	9300	--	--	<b>59000</b>	--			
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	--	3.9	--			
Copper	mg/kg	2,900	---	8,200	---	19.6	--	--	<b>97</b>	--			
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	--	< 0.56	--			
Iron	mg/kg	---	---	---	---	15900	--	--	<b>18000</b>	--			
Magnesium	mg/kg	325000	---	730000	---	4820	--	--	<b>28000</b>	--			
Manganese	mg/kg	1600	69000	4100	8700	636	--	--	190	--			
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	--	<b>24</b>	--			
Potassium	mg/kg	---	---	---	---	1268	--	--	890	--			
Sodium	mg/kg	---	---	---	---	130	--	--	<b>760</b>	--			
Thallium	mg/kg	6.3	---	160	---	0.32	--	--	< 0.94	--			
Vanadium	mg/kg	550	---	1,400	---	25.2	--	--	23	--			
Zinc	mg/kg	23,000	---	61,000	---	95.0	<b>240</b>	69	64	<b>120</b>			

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-05 (4-6)	SB-06 (0.5)	SB-06 (1-3)	SB-06 (4-6)
		Residential Properties		Construction Workers			Sample Depth (feet)	4-6	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	5.0	1.7	7.8	4.1	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	32	22	150	78	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.57	< 0.45	0.81	< 0.62	
Chromium, total	mg/kg	230	270	4,100	690	16.2	22	49	29	29	
Lead	mg/kg	400	---	700	---	36.0	17	11	130	22	
Mercury	mg/kg	23	10	61	0.1	0.06	0.034	< 0.018	0.062	0.03	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 1.1	< 0.90	< 1.4	< 1.2	
Silver	mg/kg	390	---	1,000	---	0.55	< 1.1	< 0.90	< 1.4	< 1.2	
Aluminum	mg/kg	---	---	---	---	9500	--	2000	--	--	
Antimony	mg/kg	31	---	82	---	4.0	--	< 1.8	--	--	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	< 0.45	--	--	
Calcium	mg/kg	---	---	---	---	9300	--	190000	--	--	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	2	--	--	
Copper	mg/kg	2,900	---	8,200	---	19.6	--	7.3	--	--	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	< 0.53	--	--	
Iron	mg/kg	---	---	---	---	15900	--	8500	--	--	
Magnesium	mg/kg	325000	---	730000	---	4820	--	92000	--	--	
Manganese	mg/kg	1600	69000	4100	8700	636	--	1200	--	--	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	7.4	--	--	
Potassium	mg/kg	---	---	---	---	1268	--	460	--	--	
Sodium	mg/kg	---	---	---	---	130	--	180	--	--	
Thallium	mg/kg	6.3	---	160	---	0.32	--	< 0.90	--	--	
Vanadium	mg/kg	550	---	1,400	---	25.2	--	57	--	--	
Zinc	mg/kg	23,000	---	61,000	---	95.0	55	26	120	69	



**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-07 (0.5)	SB-07 (1-3)	DUP-003 (SB-07)	SB-07 (3-5)
		Residential Properties		Construction Workers			Sample Depth (feet)	0.5	1-3	1-3	3-5
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	6.1	<b>140</b>	<b>120</b>	<b>110</b>	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	49	66	62	<b>150</b>	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.45	< 0.51	< 0.52	<b>1.1</b>	
Chromium, total	mg/kg	230	270	4,100	690	16.2	12	<b>27</b>	<b>25</b>	<b>30</b>	
Lead	mg/kg	400	---	700	---	36.0	33	<b>49</b>	24	<b>750</b>	
Mercury	mg/kg	23	10	61	0.1	0.06	0.021	<b>0.11</b>	<b>0.084</b>	<b>0.86</b>	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 0.89	< 1.0	< 1.0	<b>1.4</b>	
Silver	mg/kg	390	---	1,000	---	0.55	< 0.89	< 1.0	< 1.0	< 1.1	
Aluminum	mg/kg	---	---	---	---	9500	2600	--	--	--	
Antimony	mg/kg	31	---	82	---	4.0	< 1.8	--	--	--	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	< 0.45	--	--	--	
Calcium	mg/kg	---	---	---	---	9300	<b>180000</b>	--	--	--	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	2.3	--	--	--	
Copper	mg/kg	2,900	---	8,200	---	19.6	14	--	--	--	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	< 0.53	--	--	--	
Iron	mg/kg	---	---	---	---	15900	7200	--	--	--	
Magnesium	mg/kg	325000	---	730000	---	4820	<b>91000</b>	--	--	--	
Manganese	mg/kg	1600	69000	4100	8700	636	310	--	--	--	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	9.9	--	--	--	
Potassium	mg/kg	---	---	---	---	1268	620	--	--	--	
Sodium	mg/kg	---	---	---	---	130	<b>170</b>	--	--	--	
Thallium	mg/kg	6.3	---	160	---	0.32	< 0.89	--	--	--	
Vanadium	mg/kg	550	---	1,400	---	25.2	21	--	--	--	
Zinc	mg/kg	23,000	---	61,000	---	95.0	90	61	56	<b>290</b>	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-08 (1-3)	SB-08 (5-7.5)	SB-9 (0.5)	SB-9 (1-3)
		Residential Properties		Construction Workers			Sample Depth (feet)	1-3	5-7.5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	10/31/2023	10/31/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	5	4.3	1.2	2.2	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	25	78	14	30	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.48	< 0.59	< 0.50	< 0.46	
Chromium, total	mg/kg	230	270	4,100	690	16.2	<b>20</b>	<b>24</b>	14	16	
Lead	mg/kg	400	---	700	---	36.0	<b>47</b>	16	12	31	
Mercury	mg/kg	23	10	61	0.1	0.06	0.032	0.03	< 0.018	< 0.019	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 0.94	< 1.2	< 0.99	< 0.92	
Silver	mg/kg	390	---	1,000	---	0.55	< 0.94	< 1.2	< 0.99	< 0.92	
Aluminum	mg/kg	---	---	---	---	9500	--	--	1200	--	
Antimony	mg/kg	31	---	82	---	4.0	--	--	< 2.0	--	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	--	< 0.50	--	
Calcium	mg/kg	---	---	---	---	9300	--	--	<b>200000</b>	--	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	--	1.4	--	
Copper	mg/kg	2,900	---	8,200	---	19.6	--	--	5.9	--	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	--	< 0.53	--	
Iron	mg/kg	---	---	---	---	15900	--	--	6000	--	
Magnesium	mg/kg	325000	---	730000	---	4820	--	--	<b>110000</b>	--	
Manganese	mg/kg	1600	69000	4100	8700	636	--	--	400	--	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	--	5.2	--	
Potassium	mg/kg	---	---	---	---	1268	--	--	440	--	
Sodium	mg/kg	---	---	---	---	130	--	--	<b>260</b>	--	
Thallium	mg/kg	6.3	---	160	---	0.32	--	--	< 0.99	--	
Vanadium	mg/kg	550	---	1,400	---	25.2	--	--	19	--	
Zinc	mg/kg	23,000	---	61,000	---	95.0	49	35	23	56	

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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background	Sample Identification	SB-9 (5-7)	SB-10 (0.5)	SB-10 (1-3)	SB-10 (7-9)		
		Residential Properties		Construction Workers				MSAs	5-7	0.5	1-3	7-9	
		Ingestion	Inhalation	Ingestion	Inhalation				Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>													
Arsenic	mg/kg	13.0	750	61	25,000	13.0	7.1	8.7	5.9	9.4			
Barium	mg/kg	5,500	690,000	14,000	870,000	110	68	110	65	75			
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.54	<b>1.2</b>	< 0.57	<b>1.2</b>			
Chromium, total	mg/kg	230	270	4,100	690	16.2	<b>28</b>	<b>19</b>	<b>20</b>	8.5			
Lead	mg/kg	400	---	700	---	36.0	20	<b>370</b>	<b>310</b>	<b>860</b>			
Mercury	mg/kg	23	10	61	0.1	0.06	< 0.022	<b>0.55</b>	<b>0.39</b>	<b>0.35</b>			
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--			
Selenium	mg/kg	390	---	1,000	---	0.48	< 1.1	<b>1.3</b>	<b>1.5</b>	<b>2</b>			
Silver	mg/kg	390	---	1,000	---	0.55	< 1.1	< 1.0	< 1.1	< 1.3			
Aluminum	mg/kg	---	---	---	---	9500	--	6200	--	--			
Antimony	mg/kg	31	---	82	---	4.0	--	2.2	--	--			
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	<b>1.1</b>	--	--			
Calcium	mg/kg	---	---	---	---	9300	--	<b>26000</b>	--	--			
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	6.2	--	--			
Copper	mg/kg	2,900	---	8,200	---	19.6	--	<b>150</b>	--	--			
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	< 0.58	--	--			
Iron	mg/kg	---	---	---	---	15900	--	<b>44000</b>	--	--			
Magnesium	mg/kg	325000	---	730000	---	4820	--	<b>13000</b>	--	--			
Manganese	mg/kg	1600	69000	4100	8700	636	--	350	--	--			
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	<b>21</b>	--	--			
Potassium	mg/kg	---	---	---	---	1268	--	850	--	--			
Sodium	mg/kg	---	---	---	---	130	--	<b>600</b>	--	--			
Thallium	mg/kg	6.3	---	160	---	0.32	--	<b>1</b>	--	--			
Vanadium	mg/kg	550	---	1,400	---	25.2	--	<b>29</b>	--	--			
Zinc	mg/kg	23,000	---	61,000	---	95.0	63	<b>230</b>	<b>120</b>	<b>170</b>			

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-11 (0.5)	SB-11 (1-3)	SB-11 (8-10)	SB-12 (0.5)
		Residential Properties		Construction Workers			Sample Depth (feet)	0.5	1-3	8-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	1.9	5.5	<b>16</b>	2.3	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	33	85	<b>120</b>	40	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.48	<b>1.3</b>	< 0.51	<b>1.9</b>	
Chromium, total	mg/kg	230	270	4,100	690	16.2	<b>30</b>	<b>20</b>	<b>18</b>	16	
Lead	mg/kg	400	---	700	---	36.0	<b>39</b>	<b>160</b>	<b>110</b>	28	
Mercury	mg/kg	23	10	61	0.1	0.06	0.047	<b>0.16</b>	<b>0.12</b>	< 0.019	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 0.95	< 1.1	<b>1</b>	< 1.0	
Silver	mg/kg	390	---	1,000	---	0.55	< 0.95	< 1.1	< 2.0	< 1.0	
Aluminum	mg/kg	---	---	---	---	9500	2100	--	--	2500	
Antimony	mg/kg	31	---	82	---	4.0	< 1.9	--	--	< 2.0	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	< 0.48	--	--	< 0.50	
Calcium	mg/kg	---	---	---	---	9300	<b>180000</b>	--	--	<b>160000</b>	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	<b>1.8</b>	--	--	2.1	
Copper	mg/kg	2,900	---	8,200	---	19.6	<b>120</b>	--	--	16	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	< 0.54	--	--	< 0.54	
Iron	mg/kg	---	---	---	---	15900	8600	--	--	9100	
Magnesium	mg/kg	325000	---	730000	---	4820	<b>100000</b>	--	--	<b>87000</b>	
Manganese	mg/kg	1600	69000	4100	8700	636	450	--	--	370	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	7.8	--	--	9.1	
Potassium	mg/kg	---	---	---	---	1268	540	--	--	570	
Sodium	mg/kg	---	---	---	---	130	<b>230</b>	--	--	<b>190</b>	
Thallium	mg/kg	6.3	---	160	---	0.32	< 0.95	--	--	< 1.0	
Vanadium	mg/kg	550	---	1,400	---	25.2	<b>32</b>	--	--	24	
Zinc	mg/kg	23,000	---	61,000	---	95.0	68	<b>290</b>	<b>160</b>	86	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-12 (1-3)	SB-12 (5-7)	SB-13 (0.5)	DUP-005 (SB-13)
		Residential Properties		Construction Workers			Sample Depth (feet)	1-3	5-7	0.5	0.5
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	13	9.1	2	2.2	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	120	58	25	28	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	3.6	1.0	< 0.49	< 0.47	
Chromium, total	mg/kg	230	270	4,100	690	16.2	17	23	18	41	
Lead	mg/kg	400	---	700	---	36.0	230	360	30	78	
Mercury	mg/kg	23	10	61	0.1	0.06	0.14	0.19	< 0.019	0.018	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	2.6	1.3	< 0.99	< 0.95	
Silver	mg/kg	390	---	1,000	---	0.55	< 1.1	< 1.2	< 0.99	< 0.95	
Aluminum	mg/kg	---	---	---	---	9500	--	--	2400	2100	
Antimony	mg/kg	31	---	82	---	4.0	--	--	< 2.0	< 1.9	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	--	< 0.49	< 0.47	
Calcium	mg/kg	---	---	---	---	9300	--	--	150000	160000	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	--	2.2	2.2	
Copper	mg/kg	2,900	---	8,200	---	19.6	--	--	12	15	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	--	< 0.53	< 0.53	
Iron	mg/kg	---	---	---	---	15900	--	--	7300	8400	
Magnesium	mg/kg	325000	---	730000	---	4820	--	--	79000	87000	
Manganese	mg/kg	1600	69000	4100	8700	636	--	--	310	470	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	--	8.2	7.8	
Potassium	mg/kg	---	---	---	---	1268	--	--	520	410	
Sodium	mg/kg	---	---	---	---	130	--	--	220	180	
Thallium	mg/kg	6.3	---	160	---	0.32	--	--	< 0.99	< 0.95	
Vanadium	mg/kg	550	---	1,400	---	25.2	--	--	22	29	
Zinc	mg/kg	23,000	---	61,000	---	95.0	420	140	33	39	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background	Sample Identification	SB-13 (1-3)	SB-13 (4-6)	SB-14 (0.5)	SB-14 (1-3)		
		Residential Properties		Construction Workers				MSAs	Sample Depth (feet)	1-3	4-6	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation				Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>													
Arsenic	mg/kg	13.0	750	61	25,000	13.0	1.6	3.3	3.1	6.1			
Barium	mg/kg	5,500	690,000	14,000	870,000	110	30	76	43	<b>430</b>			
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.45	< 0.57	< 0.47	<b>0.97</b>			
Chromium, total	mg/kg	230	270	4,100	690	16.2	12	<b>28</b>	<b>31</b>	<b>24</b>			
Lead	mg/kg	400	---	700	---	36.0	15	25	13	<b>190</b>			
Mercury	mg/kg	23	10	61	0.1	0.06	< 0.017	0.026	< 0.018	<b>0.57</b>			
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--			
Selenium	mg/kg	390	---	1,000	---	0.48	< 0.90	< 1.1	< 0.94	< 1.1			
Silver	mg/kg	390	---	1,000	---	0.55	< 0.90	< 1.1	< 0.94	< 1.1			
Aluminum	mg/kg	---	---	---	---	9500	--	--	3300	--			
Antimony	mg/kg	31	---	82	---	4.0	--	--	< 1.9	--			
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	--	< 0.47	--			
Calcium	mg/kg	---	---	---	---	9300	--	--	<b>170000</b>	--			
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	--	2.6	--			
Copper	mg/kg	2,900	---	8,200	---	19.6	--	--	<b>23</b>	--			
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	--	< 0.52	--			
Iron	mg/kg	---	---	---	---	15900	--	--	<b>30000</b>	--			
Magnesium	mg/kg	325000	---	730000	---	4820	--	--	<b>88000</b>	--			
Manganese	mg/kg	1600	69000	4100	8700	636	--	--	<b>810</b>	--			
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	--	11	--			
Potassium	mg/kg	---	---	---	---	1268	--	--	570	--			
Sodium	mg/kg	---	---	---	---	130	--	--	<b>230</b>	--			
Thallium	mg/kg	6.3	---	160	---	0.32	--	--	< 0.94	--			
Vanadium	mg/kg	550	---	1,400	---	25.2	--	--	<b>37</b>	--			
Zinc	mg/kg	23,000	---	61,000	---	95.0	31	65	40	<b>230</b>			

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-14 (7-9)	SB-15 (0.5)	SB-15 (1-3)	DUP-004 (SB-15)
		Residential Properties		Construction Workers			Sample Depth (feet)	7-9	0.5	1-3	1-3
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>											
Arsenic	mg/kg	13.0	750	61	25,000	13.0	5.1	2.8	4.4	4.5	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	43	59	75	97	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.64	< 0.54	0.55	< 0.49	
Chromium, total	mg/kg	230	270	4,100	690	16.2	<b>26</b>	<b>78</b>	13	12	
Lead	mg/kg	400	---	700	---	36.0	21	<b>52</b>	<b>94</b>	<b>110</b>	
Mercury	mg/kg	23	10	61	0.1	0.06	< 0.023	0.053	<b>170</b>	<b>79</b>	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	<b>39</b>	<b>5.7</b>	
Selenium	mg/kg	390	---	1,000	---	0.48	< 1.3	< 1.1	<b>1.2</b>	<b>1.7</b>	
Silver	mg/kg	390	---	1,000	---	0.55	< 1.3	< 1.1	< 0.98	< 0.97	
Aluminum	mg/kg	---	---	---	---	9500	--	4200	--	--	
Antimony	mg/kg	31	---	82	---	4.0	--	< 2.1	--	--	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	< 0.54	--	--	
Calcium	mg/kg	---	---	---	---	9300	--	<b>120000</b>	--	--	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	2.5	--	--	
Copper	mg/kg	2,900	---	8,200	---	19.6	--	<b>20</b>	--	--	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	< 0.55	--	--	
Iron	mg/kg	---	---	---	---	15900	--	14000	--	--	
Magnesium	mg/kg	325000	---	730000	---	4820	--	<b>57000</b>	--	--	
Manganese	mg/kg	1600	69000	4100	8700	636	--	<b>1700</b>	--	--	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	9.6	--	--	
Potassium	mg/kg	---	---	---	---	1268	--	460	--	--	
Sodium	mg/kg	---	---	---	---	130	--	<b>340</b>	--	--	
Thallium	mg/kg	6.3	---	160	---	0.32	--	< 1.1	--	--	
Vanadium	mg/kg	550	---	1,400	---	25.2	--	<b>77</b>	--	--	
Zinc	mg/kg	23,000	---	61,000	---	95.0	63	74	<b>150</b>	<b>110</b>	

**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background	Sample Identification	SB-15 (3-5)	SB-15-N5	SB-15-E5	SB-15-S5	SB-15-W5	
		Residential Properties		Construction Workers			Sample Depth (feet)	3-5	1-3	1-3	1-3	1-3	
		Ingestion	Inhalation	Ingestion	Inhalation			Date Collected	11/01/2023	11/14/2023	11/14/2023	11/14/2023	11/14/2023
									MSAs				
<b>Inorganic Analytical Parameters</b>													
Arsenic	mg/kg	13.0	750	61	25,000	13.0	10	--	--	--	--		
Barium	mg/kg	5,500	690,000	14,000	870,000	110	59	--	--	--	--		
Cadmium	mg/kg	78	1,800	200	59,000	0.6	0.57	--	--	--	--		
Chromium, total	mg/kg	230	270	4,100	690	16.2	23	--	--	--	--		
Lead	mg/kg	400	---	700	---	36.0	72	--	--	--	--		
Mercury	mg/kg	23	10	61	0.1	0.06	0.12	0.033	0.050	0.036	0.058		
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	--	--		
Selenium	mg/kg	390	---	1,000	---	0.48	1.3	--	--	--	--		
Silver	mg/kg	390	---	1,000	---	0.55	< 1.0	--	--	--	--		
Aluminum	mg/kg	---	---	---	---	9500	--	--	--	--	--		
Antimony	mg/kg	31	---	82	---	4.0	--	--	--	--	--		
Beryllium	mg/kg	160	1,300	410	44,000	0.59	--	--	--	--	--		
Calcium	mg/kg	---	---	---	---	9300	--	--	--	--	--		
Cobalt	mg/kg	4,700	---	12,000	---	8.9	--	--	--	--	--		
Copper	mg/kg	2,900	---	8,200	---	19.6	--	--	--	--	--		
Cyanide	mg/kg	1,600	---	4,100	---	0.51	--	--	--	--	--		
Iron	mg/kg	---	---	---	---	15900	--	--	--	--	--		
Magnesium	mg/kg	325000	---	730000	---	4820	--	--	--	--	--		
Manganese	mg/kg	1600	69000	4100	8700	636	--	--	--	--	--		
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	--	--	--	--	--		
Potassium	mg/kg	---	---	---	---	1268	--	--	--	--	--		
Sodium	mg/kg	---	---	---	---	130	--	--	--	--	--		
Thallium	mg/kg	6.3	---	160	---	0.32	--	--	--	--	--		
Vanadium	mg/kg	550	---	1,400	---	25.2	--	--	--	--	--		
Zinc	mg/kg	23,000	---	61,000	---	95.0	81	--	--	--	--		



**Table 1 - Terracon Soil Analytical Results - Inorganics**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives				Background MSAs	Sample Identification	SB-16 (0.5)	SB-16 (1-3)	SB-16 (4-6)
		Residential Properties		Construction Workers			Sample Depth (feet)	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation		Date Collected	11/01/2023	11/01/2023	11/01/2023
<b>Inorganic Analytical Parameters</b>										
Arsenic	mg/kg	13.0	750	61	25,000	13.0	1.3	5.7	<b>23</b>	
Barium	mg/kg	5,500	690,000	14,000	870,000	110	15	45	46	
Cadmium	mg/kg	78	1,800	200	59,000	0.6	< 0.52	<b>0.8</b>	< 0.59	
Chromium, total	mg/kg	230	270	4,100	690	16.2	<b>94.0</b>	<b>17</b>	<b>25</b>	
Lead	mg/kg	400	---	700	---	36.0	10.0	<b>160</b>	20	
Mercury	mg/kg	23	10	61	0.1	0.06	< 0.018	<b>0.3</b>	< 0.021	
Elemental Mercury	mg/kg	23	10	61	0.1	0.06	--	--	--	
Selenium	mg/kg	390	---	1,000	---	0.48	< 1.0	<b>1.1</b>	< 1.2	
Silver	mg/kg	390	---	1,000	---	0.55	< 1.0	< 0.96	< 1.2	
Aluminum	mg/kg	---	---	---	---	9500	1700	--	--	
Antimony	mg/kg	31	---	82	---	4.0	< 2.1	--	--	
Beryllium	mg/kg	160	1,300	410	44,000	0.59	< 0.52	--	--	
Calcium	mg/kg	---	---	---	---	9300	<b>210000</b>	--	--	
Cobalt	mg/kg	4,700	---	12,000	---	8.9	1.3	--	--	
Copper	mg/kg	2,900	---	8,200	---	19.6	4.5	--	--	
Cyanide	mg/kg	1,600	---	4,100	---	0.51	< 0.55	--	--	
Iron	mg/kg	---	---	---	---	15900	<b>18000</b>	--	--	
Magnesium	mg/kg	325000	---	730000	---	4820	<b>110000</b>	--	--	
Manganese	mg/kg	1600	69000	4100	8700	636	<b>2200</b>	--	--	
Nickel	mg/kg	1,600	13,000	4,100	440,000	18.0	6.0	--	--	
Potassium	mg/kg	---	---	---	---	1268	360	--	--	
Sodium	mg/kg	---	---	---	---	130	<b>190</b>	--	--	
Thallium	mg/kg	6.3	---	160	---	0.32	< 1.0	--	--	
Vanadium	mg/kg	550	---	1,400	---	25.2	<b>75.0</b>	--	--	
Zinc	mg/kg	23,000	---	61,000	---	95.0	15	<b>100</b>	53	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**

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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-01 (0.5)	SB-01 (1-3)	SB-01 (7.5-10)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	8.08	8.06	7.07	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		12	15	12
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		130	150	94
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		1.6	2	5.4
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		28	43	19
Lead	mg/kg	36.0	107	107	107	107	107	107	282		560.0	720	1200
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.3	0.62	3.8
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 1.1	< 1.1	2.4
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 1.1	< 1.1	< 1.3
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		9900	--	--
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		< 2.3	--	--
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		1.4	--	--
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		63000	--	--
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		6.4	--	--
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		280	--	--
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		< 0.57	--	--
Iron	mg/kg	15,900	---	---	---	---	---	---	---		33000	--	--
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		30000	--	--
Manganese	mg/kg	636	---	---	---	---	---	---	---		400	--	--
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		25	--	--
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		1600	--	--
Sodium	mg/kg	130	---	---	---	---	---	---	---		1100	--	--
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		1.2	--	--
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		31	--	--
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		420	380	1700

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	DUP-001 (SB-01)	SB-02 (0.5)	SB-02 (1-3)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	7.31	8.41	7.99	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	6.6	8.1	5.8	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	99	100	68	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	1.1	1.3	0.98	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	8	24	15	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	83	450	210	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.084	0.31	0.27	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	4.6	1.4	1.1	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.4	< 0.96	< 0.93	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	6600	--	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	< 1.9	--	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	0.9	--	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	45000	--	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	6.3	--	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	350	--	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	< 0.54	--	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	36000	--	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	21000	--	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	370	--	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	24	--	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	1100	--	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	490	--	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	< 0.96	--	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	24	--	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	340	320	220	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-02 (8.5-10)	SB-03 (0.5)	DUP-02 (SB-03)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	6.66	8.38	8.66
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		8.9	3.5	4.3
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		130	47	68
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		1.6	< 0.64	0.77
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		24	15	18
Lead	mg/kg	36.0	107	107	107	107	107	107	282		760	53	130
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		1.3	0.1	0.27
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		2.2	< 1.3	< 1.0
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 1.2	< 1.3	< 1.0
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	3400	4800
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	< 2.6	< 2.0
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	< 0.64	< 0.51
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	190000	120000
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	3.2	4.5
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	59	58
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	< 0.70	< 0.55
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	12000	13000
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	99000	61000
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	380	290
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	15	14
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	680	960
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	220	160
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	< 1.3	< 1.0
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	20	21
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		440	170	230

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**

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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-03 (1-3)	SB-03 (4-6)	SB-04 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	8.56	8.29	7.18	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	8.10	12	8.5	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	29	59	180	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	< 0.55	< 0.51	1.1	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	19	23	21	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	36	27	550	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	< 0.020	0.03	0.83	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	1.3	< 1.0	1.3	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.1	< 1.0	< 1.1	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	13000	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	4	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	2.6	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	28000	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	5.8	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	500	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	< 0.61	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	44000	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	1300	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	290	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	21	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	1500	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	1200	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	< 2.3	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	43	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	70	68	300	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**

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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-04 (1-3)	SB-04 (3-5)	SB-05 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	7.38	7.48	8.37	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	8.5	4.6	3.8	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	590	63	120	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	0.88	< 0.57	< 0.47	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	13	28	13	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	1200	32	34	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.024	< 0.021	0.047	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	1.3	< 1.1	< 0.94	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.2	< 1.1	< 0.94	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	4700	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	< 1.9	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	1.2	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	59000	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	3.9	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	97	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	< 0.56	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	18000	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	28000	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	190	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	24	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	890	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	760	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	< 0.94	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	23	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	240	69	64	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-05 (1-3)	SB-05 (4-6)	SB-06 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	8.01	8.22	8.99	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	9.2	5	1.7	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	82	32	22	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	< 0.58	< 0.57	< 0.45	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	25	22	49	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	73	17	11	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.049	0.034	< 0.018	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	< 1.2	< 1.1	< 0.90	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.2	< 1.1	< 0.90	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	2000	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	< 1.8	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	< 0.45	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	190000	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	2	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	7.3	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	< 0.53	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	8500	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	92000	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	1200	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	7.4	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	460	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	180	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	< 0.90	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	57	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	120	55	26	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-06 (1-3)	SB-06 (4-6)	SB-07 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	7.28	7.50	8.83	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	7.8	4.1	6.1	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	150	78	49	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	0.81	< 0.62	< 0.45	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	29.0	29	12	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	130.00	22	33	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.062	0.03	0.021	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	< 1.4	< 1.2	< 0.89	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.4	< 1.2	< 0.89	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	2600	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	< 1.8	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	< 0.45	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	180000	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	2.3	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	14	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	< 0.53	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	7200	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	91000	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	310	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	9.9	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	620	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	170	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	< 0.89	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	21	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	120	69	90	



**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-07 (1-3)	DUP-003 (SB-07)	SB-07 (3-5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	8.43	7.93	7.04	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	140	120	110	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	66	62.00	150	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	< 0.51	< 0.52	1.1	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	27	25	30	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	49	24	750	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.11	0.084	0.86	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	< 1.0	< 1.0	1.4	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.0	< 1.0	< 1.1	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	--	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	--	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	--	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	--	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	--	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	--	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	--	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	--	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	--	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	--	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	--	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	--	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	--	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	--	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	--	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	61	56	290	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-08 (1-3)	SB-08 (5-7.5)	SB-9 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	10/31/2023	10/31/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	9.16	7.11	8.61
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		5	4.30	1.2
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		25	78	14
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		< 0.48	< 0.59	< 0.50
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		20	24	14
Lead	mg/kg	36.0	107	107	107	107	107	107	282		47	16	12
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.032	0.03	< 0.018
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 0.94	< 1.2	< 0.99
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 0.94	< 1.2	< 0.99
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	--	1200
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	--	< 2.0
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	--	< 0.50
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	--	200000
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	--	1.4
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	--	5.9
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	--	< 0.53
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	--	6000
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	--	110000
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	--	400
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	--	5.2
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	--	440
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	--	260
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	--	< 0.99
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	--	19
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		49	35	23

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-9 (1-3)	SB-9 (5-7)	SB-10 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	7.9	7.58	7.35
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		2.2	7.1	8.7
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		30	68	110
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		< 0.46	< 0.54	1.2
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		16	28	19
Lead	mg/kg	36.0	107	107	107	107	107	107	282		31	20	370
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		< 0.019	< 0.022	0.55
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 0.92	< 1.1	1.3
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 0.92	< 1.1	< 1.0
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	--	6200
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	--	2.2
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	--	1.1
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	--	26000
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	--	6.2
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	--	150
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	--	< 0.58
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	--	44000
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	--	13000
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	--	350
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	--	21
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	--	850
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	--	600
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	--	1
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	--	29
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		56	63	230

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**

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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-10 (1-3)	SB-10 (7-9)	SB-11 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	7.59	7.11	8.16	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	5.9	9.4	1.9	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	65	75	33	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	< 0.57	1.2	< 0.48	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	20	8.5	30	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	310	860	39	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.39	0.35	0.047	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	1.5	2	< 0.95	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	< 1.1	< 1.3	< 0.95	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	2100	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	< 1.9	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	< 0.48	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	180000	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	1.8	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	120	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	< 0.54	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	8600	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	100000	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	450	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	7.8	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	540	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	230	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	< 0.95	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	32	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	120	170	68	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-11 (1-3)	SB-11 (8-10)	SB-12 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	7.90	6.94	8.45
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		5.5	16	2.3
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		85	120	40
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		1.3	< 0.51	1.9
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		20	18	16
Lead	mg/kg	36.0	107	107	107	107	107	107	282		160	110	28
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.16	0.12	< 0.019
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 1.1	1	< 1.0
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 1.1	< 2.0	< 1.0
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	--	2500
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	--	< 2.0
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	--	< 0.50
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	--	160000
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	--	2.1
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	--	16
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	--	< 0.54
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	--	9100
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	--	87000
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	--	370
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	--	9.100
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	--	570
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	--	190
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	--	< 1.0
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	--	24
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		290	160	86

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**

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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-12 (1-3)	SB-12 (5-7)	SB-13 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	6.29	7.34	9.98	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		13	9.1	2
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		120	58	25
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		3.6	1	< 0.49
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		17	23	18
Lead	mg/kg	36.0	107	107	107	107	107	107	282		230	360	30
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.14	0.19	< 0.019
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		2.6	1.3	< 0.99
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 1.1	< 1.2	< 0.99
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	--	2400
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	--	< 2.0
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	--	< 0.49
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	--	150000
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	--	2,200
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	--	12
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	--	< 0.53
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	--	7300
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	--	79000
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	--	310
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	--	8,200
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	--	520
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	--	220
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	--	< 0.99
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	--	22
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		420	140	33

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	DUP-005 (SB-13)	SB-13 (1-3)	SB-13 (4-6)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	9.99	9.72	7.44
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		2.2	1.6	3.3
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		28	30	76
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		< 0.47	< 0.45	< 0.57
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		41	12	28
Lead	mg/kg	36.0	107	107	107	107	107	107	282		78	15	25
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.018	< 0.017	0.026
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 0.95	< 0.90	< 1.1
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 0.95	< 0.90	< 1.1
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		2100	--	--
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		< 1.9	--	--
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		< 0.47	--	--
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		160000	--	--
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		2.2	--	--
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		15	--	--
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		< 0.53	--	--
Iron	mg/kg	15,900	---	---	---	---	---	---	---		8400	--	--
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		87000	--	--
Manganese	mg/kg	636	---	---	---	---	---	---	---		470	--	--
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		7.8	--	--
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		410	--	--
Sodium	mg/kg	130	---	---	---	---	---	---	---		180	--	--
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		< 0.95	--	--
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		29	--	--
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		39	31	65

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-14 (0.5)	SB-14 (1-3)	SB-14 (7-9)
			Class I										
			6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023	11/01/2023
		MSAs	6.64	6.89	7.24	7.74	8.24	8.74	9				
<b>pH-Specific Compounds</b>										<b>pH</b>	9.50	7.50	7.77
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		3.1	6.1	5.1
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		43	430	43
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		< 0.47	0.97	< 0.64
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		31	24	26
Lead	mg/kg	36.0	107	107	107	107	107	107	282		13	190	21
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		< 0.018	0.57	< 0.023
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 0.94	< 1.1	< 1.3
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 0.94	< 1.1	< 1.3
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		3300	--	--
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		< 1.9	--	--
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		< 0.47	--	--
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		170000	--	--
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		2.6	--	--
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		23	--	--
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		< 0.52	--	--
Iron	mg/kg	15,900	---	---	---	---	---	---	---		30000	--	--
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		88000	--	--
Manganese	mg/kg	636	---	---	---	---	---	---	---		810	--	--
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		11	--	--
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		570	--	--
Sodium	mg/kg	130	---	---	---	---	---	---	---		230	--	--
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		< 0.94	--	--
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		37	--	--
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		40	230	63



**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-15 (0.5)	SB-15 (1-3)	DUP-004 (SB-15)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	9.70	9.69	9.23
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		2.8	4.4	4.5
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		59	75	97
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		< 0.54	0.55	< 0.49
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		78	13	12
Lead	mg/kg	36.0	107	107	107	107	107	107	282		52	94	110
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.053	170	79
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		< 1.1	1.2	1.7
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 1.1	< 0.98	< 0.97
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		4200	--	--
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		< 2.1	--	--
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		< 0.54	--	--
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		120000	--	--
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		2.5	--	--
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		20	--	--
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		< 0.55	--	--
Iron	mg/kg	15,900	---	---	---	---	---	---	---		14000	--	--
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		57000	--	--
Manganese	mg/kg	636	---	---	---	---	---	---	---		1700	--	--
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		9.6	--	--
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		460	--	--
Sodium	mg/kg	130	---	---	---	---	---	---	---		340	--	--
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		< 1.1	--	--
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		77	--	--
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		74	150	110

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-15 (3-5)	SB-15-N5	SB-15-E5
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/14/2023
<b>pH-Specific Compounds</b>										<b>pH</b>	7.46	8.48	7.46
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		10	--	--
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		59	--	--
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		0.57	--	--
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		23	--	--
Lead	mg/kg	36.0	107	107	107	107	107	107	282		72	--	--
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.12	0.033	0.05
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		1.3	--	--
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 1.0	--	--
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	--	--
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	--	--
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	--	--
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	--	--
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	--	--
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	--	--
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	--	--
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	--	--
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	--	--
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	--	--
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	--	--
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	--	--
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	--	--
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	--	--
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	--	--
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		81	--	--

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
**3710 S. California Avenue**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-15-S5	SB-15-W5	SB-16 (0.5)
			Class I										
			MSAs	6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/14/2023	11/14/2023
<b>pH-Specific Compounds</b>									<b>pH</b>	7.53	7.59	9.27	
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33	--	--	1.3	
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---	--	--	15	
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---	--	--	< 0.52	
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21	--	--	94	
Lead	mg/kg	36.0	107	107	107	107	107	107	282	--	--	10	
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---	0.036	0.058	< 0.018	
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3	--	--	< 1.0	
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---	--	--	< 1.0	
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---	--	--	1700	
Antimony	mg/kg	4.0	5	5	5	5	5	5	5	--	--	< 2.1	
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---	--	--	< 0.52	
Calcium	mg/kg	9,300	---	---	---	---	---	---	---	--	--	210000	
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---	--	--	1.3	
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---	--	--	4.5	
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40	--	--	< 0.55	
Iron	mg/kg	15,900	---	---	---	---	---	---	---	--	--	18000	
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---	--	--	110000	
Manganese	mg/kg	636	---	---	---	---	---	---	---	--	--	2200	
Nickel	mg/kg	18	100	130	180	700	3,800	---	---	--	--	6	
Potassium	mg/kg	1,268	---	---	---	---	---	---	---	--	--	360	
Sodium	mg/kg	130	---	---	---	---	---	---	---	--	--	190	
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9	--	--	< 1.0	
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980	--	--	75	
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---	--	--	15	

**Table 1 - Terracon Soil Analytical Results - pH-Specific Compounds**  
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Analyte	Units	Background	pH-Specific Tier 1 SROs Soil Component to Groundwater Exposure Route							Sample Identification	SB-16 (1-3)	SB-16 (4-6)
			Class I									
			6.25	6.65	6.9	7.25	7.75	8.25	8.75	Date Collected	11/01/2023	11/01/2023
		MSAs	6.64	6.89	7.24	7.74	8.24	8.74	9			
<b>pH-Specific Compounds</b>										<b>pH</b>	7.78	7.84
Arsenic	mg/kg	13.0	29	29	29	30	31	32	33		5.7	23
Barium	mg/kg	110	1,500	1,600	1,700	1,800	2,100	---	---		45	46
Cadmium	mg/kg	0.6	5.2	7.5	11	59	430	---	---		0.79	< 0.59
Chromium, total *	mg/kg	16.2	40	38	36	32	28	24	21		17	25
Lead	mg/kg	36.0	107	107	107	107	107	107	282		160	20
Mercury	mg/kg	0.06	0.89	2.1	3.3	6.4	8.0	---	---		0.28	< 0.021
Selenium	mg/kg	0.48	6.3	5.2	4.5	3.3	2.4	1.8	1.3		1.1	< 1.2
Silver	mg/kg	0.55	4.4	8.5	13	39	110	---	---		< 0.96	< 1.2
Aluminum	mg/kg	9,500	---	---	---	---	---	---	---		--	--
Antimony	mg/kg	4.0	5	5	5	5	5	5	5		--	--
Beryllium	mg/kg	0.59	22	63	140	1,000	8,000	---	---		--	--
Calcium	mg/kg	9,300	---	---	---	---	---	---	---		--	--
Cobalt	mg/kg	8.9	---	---	---	---	---	---	---		--	--
Copper	mg/kg	19.6	59,000	130,000	200,000	330,000	330,000	---	---		--	--
Cyanide	mg/kg	0.51	40	40	40	40	40	40	40		--	--
Iron	mg/kg	15,900	---	---	---	---	---	---	---		--	--
Magnesium	mg/kg	4,820	---	---	---	---	---	---	---		--	--
Manganese	mg/kg	636	---	---	---	---	---	---	---		--	--
Nickel	mg/kg	18	100	130	180	700	3,800	---	---		--	--
Potassium	mg/kg	1,268	---	---	---	---	---	---	---		--	--
Sodium	mg/kg	130	---	---	---	---	---	---	---		--	--
Thallium	mg/kg	0.32	2.6	2.8	3.0	3.4	3.8	4.4	4.9		--	--
Vanadium	mg/kg	25.2	980	980	980	980	980	980	980		--	--
Zinc	mg/kg	95.0	5,100	6,200	7,500	16,000	53,000	---	---		100	53

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-01 (0.5)	SB-01 (1-3)	SB-01 (7.5-10)	DUP-001 (SB-01)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	7.5-10	7.5-10
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	< 0.0018	--	--	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	< 0.0018	--	--	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
beta-BHC	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
delta-BHC	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	< 0.0018	--	--	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	< 0.0018	--	--	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	< 0.0018	--	--	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	< 0.0018	--	--	--	
Endosulfan I	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
Endosulfan II	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
Endrin	mg/kg	23	---	61	---	1.0	< 0.0018	--	--	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
Endrin ketone	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	< 0.0018	--	--	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	< 0.0018	--	--	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	< 0.0018	--	--	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	< 0.0018	--	--	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	< 0.0018	--	--	--	
Toxaphene	mg/kg	0.6	89	110	240	31	< 0.038	--	--	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	< 0.091	--	--	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	< 1	--	--	--	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-02 (0.5)	SB-02 (1-3)	SB-02 (8.5-10)	SB-03 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	8.5-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	< 0.0017	--	--	< 0.0022	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	< 0.0017	--	--	< 0.0022	
alpha-Chlordane	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
beta-BHC	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
delta-BHC	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	< 0.0017	--	--	< 0.0022	
4,4'-DDD	mg/kg	3.0	---	520	---	16	< 0.0017	--	--	< 0.0022	
4,4'-DDE	mg/kg	2.0	---	370	---	54	< 0.0017	--	--	< 0.0022	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	< 0.0017	--	--	< 0.0022	
Endosulfan I	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
Endosulfan II	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
Endosulfan sulfate	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
Endrin	mg/kg	23	---	61	---	1.0	< 0.0017	--	--	< 0.0022	
Endrin aldehyde	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
Endrin ketone	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	< 0.0017	--	--	< 0.0022	
gamma-Chlordane	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0022	
Heptachlor	mg/kg	0.9	0.871	28	16	23	< 0.0017	--	--	< 0.0022	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	< 0.0017	--	--	< 0.0022	
Methoxychlor	mg/kg	390	---	1,000	---	160	< 0.0017	--	--	< 0.0022	
Toxaphene	mg/kg	0.6	89	110	240	31	< 0.036	--	--	< 0.046	
Aroclor - 1016	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Aroclor - 1221	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Aroclor - 1232	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Aroclor - 1242	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Aroclor - 1248	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Aroclor - 1254	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Aroclor - 1260	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.11	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	< 1	--	--	< 1	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	DUP-02 (SB-03)	SB-03 (1-3)	SB-03 (4-6)	SB-04 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	4-6	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	< 0.0018	--	--	< 0.0020	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	< 0.0018	--	--	< 0.0020	
alpha-Chlordane	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
beta-BHC	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
delta-BHC	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	< 0.0018	--	--	< 0.0020	
4,4'-DDD	mg/kg	3.0	---	520	---	16	< 0.0018	--	--	< 0.0020	
4,4'-DDE	mg/kg	2.0	---	370	---	54	< 0.0018	--	--	< 0.0020	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	< 0.0018	--	--	< 0.0020	
Endosulfan I	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
Endosulfan II	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
Endosulfan sulfate	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
Endrin	mg/kg	23	---	61	---	1.0	< 0.0018	--	--	< 0.0020	
Endrin aldehyde	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
Endrin ketone	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	< 0.0018	--	--	< 0.0020	
gamma-Chlordane	mg/kg	---	---	---	---	---	< 0.0018	--	--	< 0.0020	
Heptachlor	mg/kg	0.9	0.871	28	16	23	< 0.0018	--	--	< 0.0020	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	< 0.0018	--	--	< 0.0020	
Methoxychlor	mg/kg	390	---	1,000	---	160	< 0.0018	--	--	< 0.0020	
Toxaphene	mg/kg	0.6	89	110	240	31	< 0.035	--	--	< 0.039	
Aroclor - 1016	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.096	
Aroclor - 1221	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.096	
Aroclor - 1232	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.096	
Aroclor - 1242	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.096	
Aroclor - 1248	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.096	
Aroclor - 1254	mg/kg	---	---	---	---	---	< 0.086	--	--	0.16	
Aroclor - 1260	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.096	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	<1	--	--	0.16	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-04 (1-3)	SB-04 (3-5)	SB-05 (0.5)	SB-05 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	3-5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	--	< 0.0018	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	--	< 0.0018	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
beta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
delta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	--	< 0.0018	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	--	< 0.0018	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	--	< 0.0018	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	--	< 0.0018	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
Endrin	mg/kg	23	---	61	---	1.0	--	--	< 0.0018	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	--	< 0.0018	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0018	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	--	< 0.0018	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	--	< 0.0018	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	--	< 0.0018	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	--	< 0.036	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	--	< 0.089	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	--	<1	--	



**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-05 (4-6)	SB-06 (0.5)	SB-06 (1-3)	SB-06 (4-6)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	4-6	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	< 0.0017	--	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	< 0.0017	--	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
beta-BHC	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
delta-BHC	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	< 0.0017	--	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	< 0.0017	--	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	< 0.0017	--	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	< 0.0017	--	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
Endrin	mg/kg	23	---	61	---	1.0	--	< 0.0017	--	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	< 0.0017	--	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0017	--	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	< 0.0017	--	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	< 0.0017	--	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	< 0.0017	--	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	< 0.035	--	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	< 0.085	--	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	<1	--	--	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-07 (0.5)	SB-07 (1-3)	DUP-003 (SB-07)	SB-07 (3-5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	1-3	3-5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	10/31/2023	10/31/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	< 0.0017	--	--	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	< 0.0017	--	--	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
beta-BHC	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
delta-BHC	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	< 0.0017	--	--	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	< 0.0017	--	--	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	< 0.0017	--	--	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	< 0.0017	--	--	--	
Endosulfan I	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
Endosulfan II	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
Endrin	mg/kg	23	---	61	---	1.0	< 0.0017	--	--	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
Endrin ketone	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	< 0.0017	--	--	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	< 0.0017	--	--	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	< 0.0017	--	--	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	< 0.0017	--	--	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	< 0.0017	--	--	--	
Toxaphene	mg/kg	0.6	89	110	240	31	< 0.035	--	--	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	< 0.085	--	--	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	< 1	--	--	--	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-08 (1-3)	SB-08 (5-7.5)	SB-9 (0.5)	SB-9 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	5-7.5	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	10/31/2023	10/31/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	--	< 0.0017	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	--	< 0.0017	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
beta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
delta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	--	< 0.0017	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	--	< 0.0017	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	--	< 0.0017	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	--	< 0.0017	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endrin	mg/kg	23	---	61	---	1.0	--	--	< 0.0017	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	--	< 0.0017	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	--	< 0.0017	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	--	< 0.0017	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	--	< 0.0017	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	--	< 0.035	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	--	< 0.084	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	--	<1	--	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-9 (5-7)	SB-10 (0.5)	SB-10 (1-3)	SB-10 (7-9)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	5-7	0.5	1-3	7-9
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	< 0.0018	--	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	< 0.0018	--	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
beta-BHC	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
delta-BHC	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	< 0.0018	--	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	< 0.0018	--	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	< 0.0018	--	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	< 0.0018	--	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endrin	mg/kg	23	---	61	---	1.0	--	< 0.0018	--	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	< 0.0018	--	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	< 0.0018	--	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	< 0.0018	--	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	< 0.0018	--	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	< 0.038	--	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	< 0.091	--	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	<1	--	--	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-11 (0.5)	SB-11 (1-3)	SB-11 (8-10)	SB-12 (0.5)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	0.5	1-3	8-10	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	< 0.0017	--	--	< 0.0017	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	< 0.0017	--	--	< 0.0017	
alpha-Chlordane	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
beta-BHC	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
delta-BHC	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	< 0.0017	--	--	< 0.0017	
4,4'-DDD	mg/kg	3.0	---	520	---	16	< 0.0017	--	--	< 0.0017	
4,4'-DDE	mg/kg	2.0	---	370	---	54	< 0.0017	--	--	< 0.0017	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	< 0.0017	--	--	< 0.0017	
Endosulfan I	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
Endosulfan II	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
Endosulfan sulfate	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
Endrin	mg/kg	23	---	61	---	1.0	< 0.0017	--	--	< 0.0017	
Endrin aldehyde	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
Endrin ketone	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	< 0.0017	--	--	< 0.0017	
gamma-Chlordane	mg/kg	---	---	---	---	---	< 0.0017	--	--	< 0.0017	
Heptachlor	mg/kg	0.9	0.871	28	16	23	< 0.0017	--	--	< 0.0017	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	< 0.0017	--	--	< 0.0017	
Methoxychlor	mg/kg	390	---	1,000	---	160	< 0.0017	--	--	< 0.0017	
Toxaphene	mg/kg	0.6	89	110	240	31	< 0.036	--	--	< 0.035	
Aroclor - 1016	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Aroclor - 1221	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Aroclor - 1232	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Aroclor - 1242	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Aroclor - 1248	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Aroclor - 1254	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Aroclor - 1260	mg/kg	---	---	---	---	---	< 0.086	--	--	< 0.085	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	< 1	--	--	< 1	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-12 (1-3)	SB-12 (5-7)	SB-13 (0.5)	DUP-005 (SB-13)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	5-7	0.5	0.5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	--	< 0.0017	< 0.0017	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	--	< 0.0017	< 0.0017	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
beta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
delta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	--	< 0.0017	< 0.0017	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	--	< 0.0017	< 0.0017	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	--	< 0.0017	< 0.0017	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	--	< 0.0017	< 0.0017	
Endosulfan I	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
Endosulfan II	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
Endrin	mg/kg	23	---	61	---	1.0	--	--	< 0.0017	< 0.0017	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
Endrin ketone	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	--	< 0.0017	< 0.0017	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0017	< 0.0017	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	--	< 0.0017	< 0.0017	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	--	< 0.0017	< 0.0017	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	--	< 0.0017	< 0.0017	
Toxaphene	mg/kg	0.6	89	110	240	31	--	--	< 0.035	< 0.035	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	--	< 0.083	< 0.084	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	--	<1	<1	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-13 (1-3)	SB-13 (4-6)	SB-14 (0.5)	SB-14 (1-3)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	1-3	4-6	0.5	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	--	< 0.0017	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	--	< 0.0017	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
beta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
delta-BHC	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	--	< 0.0017	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	--	< 0.0017	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	--	< 0.0017	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	--	< 0.0017	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endrin	mg/kg	23	---	61	---	1.0	--	--	< 0.0017	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	--	< 0.0017	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	--	< 0.0017	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	--	< 0.0017	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	--	< 0.0017	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	--	< 0.0017	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	--	< 0.034	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	--	< 0.083	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	--	<1	--	

**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-14 (7-9)	SB-15 (0.5)	SB-15 (1-3)	DUP-004 (SB-15)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	7-9	0.5	1-3	1-3
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	< 0.0018	--	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	< 0.0018	--	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
beta-BHC	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
delta-BHC	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	< 0.0018	--	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	< 0.0018	--	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	< 0.0018	--	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	< 0.0018	--	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endrin	mg/kg	23	---	61	---	1.0	--	< 0.0018	--	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	< 0.0018	--	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	< 0.0018	--	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	< 0.0018	--	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	< 0.0018	--	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	< 0.036	--	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	< 0.088	--	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	<1	--	--	



**Table 1 - Terracon Soil Analytical Results - Pesticide/PCBs**  
**3710 S. California Avenue**  
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Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					Sample Identification	SB-15 (3-5)	SB-16 (0.5)	SB-16 (1-3)	SB-16 (4-6)
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route	Sample Depth (feet)	3-5	0.5	1-3	4-6
		Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Pesticides/PCBs</b>											
Aldrin	mg/kg	0.94	3.0	6.1	9.3	0.94	--	< 0.0018	--	--	
alpha-BHC	mg/kg	0.1	0.8	20	2.1	0.0074	--	< 0.0018	--	--	
alpha-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
beta-BHC	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
delta-BHC	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Dieldrin	mg/kg	0.603	1.0	7.8	3.1	0.603	--	< 0.0018	--	--	
4,4'-DDD	mg/kg	3.0	---	520	---	16	--	< 0.0018	--	--	
4,4'-DDE	mg/kg	2.0	---	370	---	54	--	< 0.0018	--	--	
4,4'-DDT	mg/kg	2.0	---	100	2,100	32	--	< 0.0018	--	--	
Endosulfan I	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endosulfan II	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endosulfan sulfate	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endrin	mg/kg	23	---	61	---	1.0	--	< 0.0018	--	--	
Endrin aldehyde	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Endrin ketone	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
gamma-BHC	mg/kg	0.5	---	96	---	0.009	--	< 0.0018	--	--	
gamma-Chlordane	mg/kg	---	---	---	---	---	--	< 0.0018	--	--	
Heptachlor	mg/kg	0.9	0.871	28	16	23	--	< 0.0018	--	--	
Heptachlor epoxide	mg/kg	1.005	5.0	2.7	13	1.0	--	< 0.0018	--	--	
Methoxychlor	mg/kg	390	---	1,000	---	160	--	< 0.0018	--	--	
Toxaphene	mg/kg	0.6	89	110	240	31	--	< 0.035	--	--	
Aroclor - 1016	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Aroclor - 1221	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Aroclor - 1232	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Aroclor - 1242	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Aroclor - 1248	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Aroclor - 1254	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Aroclor - 1260	mg/kg	---	---	---	---	---	--	< 0.086	--	--	
Total Polychlorinated Biphenyls (PCBs)	mg/kg	1.0	---	1.0	---	---	--	<1	--	--	

**Table 2 - Terracon Groundwater Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	Groundwater Remediation Objectives	Groundwater Indoor Inhalation Exposure Route	Sample Identification	GW-02	GW-04	GW-07	GW-11
		Groundwater Ingestion Route	Diffusion and Advection					
		Class I	Residential	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>								
71-43-2	Benzene	mg/L	0.005	0.11	< 0.0050	< 0.0050	< 0.0050	< 0.0050
108-88-3	Toluene	mg/L	1.0	530	< 0.0050	< 0.0050	< 0.0050	< 0.0050
100-41-4	Ethylbenzene	mg/L	0.7	0.37	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1330-20-7	Xylenes (total)	mg/L	10	30	< 0.015	< 0.015	< 0.015	< 0.015
1634-04-4	Methyl Tertiary-Butyl Ether	mg/L	0.07	1,900	< 0.0050	< 0.0050	< 0.0050	< 0.0050
67-64-1	Acetone	mg/L	6.3	1,000,000	< 0.020	< 0.020	< 0.020	< 0.020
75-27-4	Bromodichloromethane	mg/L	0.0002	6,700	< 0.0050	< 0.0050	< 0.0050	< 0.0050
75-25-2	Bromoform	mg/L	0.001	3.1	< 0.0010	< 0.0010	< 0.0010	< 0.0010
74-83-9	Bromomethane	mg/L	0.0098	---	< 0.0050	< 0.0050	< 0.0050	< 0.0050
78-93-3	2-Butanone	mg/L	4.2	10,000	< 0.020	< 0.020	< 0.020	< 0.020
75-15-0	Carbon Disulfide	mg/L	0.7	67	< 0.010	< 0.010	< 0.010	< 0.010
56-23-5	Carbon Tetrachloride	mg/L	0.005	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050
108-90-7	Chlorobenzene	mg/L	0.1	26	< 0.0050	< 0.0050	< 0.0050	< 0.0050
75-00-3	Chloroethane	mg/L	21	---	< 0.010	< 0.010	< 0.010	< 0.010
67-66-3	Chloroform	mg/L	0.0002	0.07	< 0.0010	< 0.0010	< 0.0010	< 0.0010
156-59-2	cis-1,2-Dichloroethene	mg/L	0.07	3,500	< 0.0050	< 0.0050	< 0.0050	< 0.0050
124-48-1	D bromochloromethane	mg/L	0.14	2,600	< 0.0050	< 0.0050	< 0.0050	< 0.0050
75-34-3	1,1-Dichloroethane	mg/L	0.7	180	< 0.0050	< 0.0050	< 0.0050	< 0.0050
107-06-2	1,2-Dichloroethane	mg/L	0.005	0.054	< 0.0050	< 0.0050	< 0.0050	< 0.0050
75-35-4	1,1-Dichloroethylene	mg/L	0.007	24	< 0.0050	< 0.0050	< 0.0050	< 0.0050
78-87-5	1,2-Dichloropropane	mg/L	0.005	0.12	< 0.0050	< 0.0050	< 0.0050	< 0.0050
542-75-6	1,3-Dichloropropene (cis + trans)	mg/L	0.001	0.14	< 0.0010	< 0.0010	< 0.0010	< 0.0010
591-78-6	2-Hexanone	mg/L	0.035	---	< 0.020	< 0.020	< 0.020	< 0.020
108-10-1	4-Methyl-2-pentanone	mg/L	0.56	---	< 0.020	< 0.020	< 0.020	< 0.020
75-09-2	Methylene Chloride	mg/L	0.005	2.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050
100-42-5	Styrene	mg/L	0.1	310	< 0.0050	< 0.0050	< 0.0050	< 0.0050
79-34-5	1,1,2,2-Tetrachloroethane	mg/L	0.0043	---	< 0.0050	< 0.0050	< 0.0050	< 0.0050
127-18-4	Tetrachloroethene	mg/L	0.005	0.091	< 0.0050	< 0.0050	< 0.0050	< 0.0050
156-60-5	trans-1,2-Dichloroethene	mg/L	0.1	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050
79-01-6	Trichloroethene	mg/L	0.005	0.34	< 0.0050	< 0.0050	< 0.0050	< 0.0050
71-55-6	1,1,1-Trichloroethane	mg/L	0.2	1,000	< 0.0050	< 0.0050	< 0.0050	< 0.0050
79-00-5	1,1,2-Trichloroethane	mg/L	0.005	4,400	< 0.0050	< 0.0050	< 0.0050	< 0.0050
75-01-4	Vinyl Chloride	mg/L	0.002	0.028	< 0.0020	< 0.0020	< 0.0020	< 0.0020

**Table 2 - Terracon Groundwater Analytical Results - VOCs**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte	Units	Groundwater Remediation Objectives	Groundwater Indoor Inhalation Exposure Route	Sample Identification	GW-16	DUP-001	TB-001
		Groundwater Ingestion Route	Diffusion and Advection				
		Class I	Residential	Date Collected	11/01/2023	11/01/2023	11/01/2023
<b>Volatile Organic Analytical Parameters</b>							
71-43-2	Benzene	mg/L	0.005	0.11	< 0.0050	< 0.0050	< 0.0050
108-88-3	Toluene	mg/L	1.0	530	< 0.0050	< 0.0050	< 0.0050
100-41-4	Ethylbenzene	mg/L	0.7	0.37	< 0.0050	< 0.0050	< 0.0050
1330-20-7	Xylenes (total)	mg/L	10	30	< 0.015	< 0.015	< 0.015
1634-04-4	Methyl Tertiary-Butyl Ether	mg/L	0.07	1,900	< 0.0050	< 0.0050	< 0.0050
67-64-1	Acetone	mg/L	6.3	1,000,000	< 0.020	< 0.020	< 0.020
75-27-4	Bromodichloromethane	mg/L	0.0002	6,700	< 0.0050	< 0.0050	< 0.0050
75-25-2	Bromoform	mg/L	0.001	3.1	< 0.0010	< 0.0010	< 0.0010
74-83-9	Bromomethane	mg/L	0.0098	---	< 0.0050	< 0.0050	< 0.0050
78-93-3	2-Butanone	mg/L	4.2	10,000	< 0.020	< 0.020	< 0.020
75-15-0	Carbon Disulfide	mg/L	0.7	67	< 0.010	< 0.010	< 0.010
56-23-5	Carbon Tetrachloride	mg/L	0.005	0.02	< 0.0050	< 0.0050	< 0.0050
108-90-7	Chlorobenzene	mg/L	0.1	26	< 0.0050	< 0.0050	< 0.0050
75-00-3	Chloroethane	mg/L	21	---	< 0.010	< 0.010	< 0.010
67-66-3	Chloroform	mg/L	0.0002	0.07	< 0.0010	< 0.0010	< 0.0010
156-59-2	cis-1,2-Dichloroethene	mg/L	0.07	3,500	< 0.0050	< 0.0050	< 0.0050
124-48-1	D bromochloromethane	mg/L	0.14	2,600	< 0.0050	< 0.0050	< 0.0050
75-34-3	1,1-Dichloroethane	mg/L	0.7	180	< 0.0050	< 0.0050	< 0.0050
107-06-2	1,2-Dichloroethane	mg/L	0.005	0.054	< 0.0050	< 0.0050	< 0.0050
75-35-4	1,1-Dichloroethylene	mg/L	0.007	24	< 0.0050	< 0.0050	< 0.0050
78-87-5	1,2-Dichloropropane	mg/L	0.005	0.12	< 0.0050	< 0.0050	< 0.0050
542-75-6	1,3-Dichloropropene (cis + trans)	mg/L	0.001	0.14	< 0.0010	< 0.0010	< 0.0010
591-78-6	2-Hexanone	mg/L	0.035	---	< 0.020	< 0.020	< 0.020
108-10-1	4-Methyl-2-pentanone	mg/L	0.56	---	< 0.020	< 0.020	< 0.020
75-09-2	Methylene Chloride	mg/L	0.005	2.1	< 0.0050	< 0.0050	< 0.0050
100-42-5	Styrene	mg/L	0.1	310	< 0.0050	< 0.0050	< 0.0050
79-34-5	1,1,2,2-Tetrachloroethane	mg/L	0.0043	---	< 0.0050	< 0.0050	< 0.0050
127-18-4	Tetrachloroethene	mg/L	0.005	0.091	< 0.0050	< 0.0050	< 0.0050
156-60-5	trans-1,2-Dichloroethene	mg/L	0.1	16	< 0.0050	< 0.0050	< 0.0050
79-01-6	Trichloroethene	mg/L	0.005	0.34	< 0.0050	< 0.0050	< 0.0050
71-55-6	1,1,1-Trichloroethane	mg/L	0.2	1,000	< 0.0050	< 0.0050	< 0.0050
79-00-5	1,1,2-Trichloroethane	mg/L	0.005	4,400	< 0.0050	< 0.0050	< 0.0050
75-01-4	Vinyl Chloride	mg/L	0.002	0.028	< 0.0020	< 0.0020	< 0.0020

**Table 2 - Terracon Groundwater Analytical Results - Naphthalene**  
**3710 S. California Avenue**  
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Analyte		Units	Groundwater Remediation Objectives	Groundwater Indoor Inhalation Exposure Route	Sample Identification	GW-02	GW-04	GW-07	GW-11
			Groundwater Ingestion Route	Diffusion and Advection		Date Collected	11/01/2023	11/01/2023	11/01/2023
			Class I	Residential					
<b>Semivolatile Organic Analytical Parameters - Naphthalene</b>									
91-20-3	Naphthalene	mg/L	0.14	0.075		< 0.0010	< 0.0010	< 0.0010	< 0.0010

**Table 2 - Terracon Groundwater Analytical Results - Naphthalene**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Analyte		Units	Groundwater Remediation Objectives	Groundwater Indoor Inhalation Exposure Route	Sample Identification	GW-16	DUP-001
			Groundwater Ingestion Route	Diffusion and Advection			
			Class I	Residential	Date Collected	11/01/2023	11/01/2023
<b>Semivolatile Organic Analytical Parameters - Naphthalene</b>							
91-20-3	Naphthalene	mg/L	0.14	0.075		--	< 0.0010

**Table 2 - Terracon Groundwater Analytical Results - Mercury**  
**3710 S. California Avenue**  
**Chicago, IL**  
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Analyte		Units	Groundwater Remediation Objectives	Groundwater Indoor Inhalation Exposure Route	Sample Identification	GW-02	GW-04	GW-07	GW-11
			Groundwater Ingestion Route	Diffusion and Advection					
			Class I	Residential	Date Collected	11/01/2023	11/01/2023	11/01/2023	11/01/2023
<b>RCRA Metal Analytical Parameters - Mercury</b>									
7439-97-6	Mercury	mg/L	0.002	0.053		< 0.00020	< 0.00020	0.00033	0.0034

**Table 2 - Terracon Groundwater Analytical Results - Mercury**  
**3710 S. California Avenue**  
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Analyte	Units	Groundwater Remediation Objectives	Groundwater Indoor Inhalation Exposure Route	Sample Identification	GW-16	DUP-001
		Groundwater Ingestion Route	Diffusion and Advection			
		Class I	Residential	Date Collected	11/01/2023	11/01/2023
<b>RCRA Metal Analytical Parameters - Mercury</b>						
7439-97-6	Mercury	mg/L	0.002	0.053	--	< 0.00020

**Table 3 - Terracon Soil Gas Analytical Results**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
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Volatile Chemical	Units	Soil Gas Tier 1 Remediation Objectives			Sample Identification	SG-01	SG-02	SG-03	Method Blank 1
		OUTDOOR Inhalation Exposure Route		INDOOR Inhalation Exposure Route	Sample Depth (feet)	3.5	3.5	3.5	--
				Diffusion and Advection	Date Collected	11/1/2023	10/30/2023	10/30/2023	10/30/2023
		Residential	Construction Workers	Residential					
<b>Volatile Organic Analytical Parameters</b>									
Benzene	mg/m <sup>3</sup>	420	1,100	0.37		0.00106	<0.000639	0.000827	--
Toluene	mg/m <sup>3</sup>	140,000	50,000	6,200		0.00471	<0.00188	<0.00188	--
Ethylbenzene	mg/m <sup>3</sup>	59,000	8,500	1.3		0.00209	<0.000867	<0.000867	--
Xylenes (total)	mg/m <sup>3</sup>	49,000	2,900	140		0.00686	0.00556	<0.00261	--
Methyl Tertiary-Butyl Ether	mg/m <sup>3</sup>	1,200,000	23,000	3,700		<0.000721	<0.000721	<0.000721	--
Acetone	mg/m <sup>3</sup>	750,000	750,000	750,000		0.00504	0.596	0.00471	--
Bromodichloromethane	mg/m <sup>3</sup>	450,000	450,000	450,000		<0.00134	<0.00134	<0.00134	--
Bromoform	mg/m <sup>3</sup>	1,800	4,900	11		<0.00621	<0.00621	<0.00621	--
Bromomethane	mg/m <sup>3</sup>	12,000	2,400	6.90		<0.000776	<0.000776	<0.000776	--
2-Butanone	mg/m <sup>3</sup>	380,000	15,000	6400		<0.00369	<0.00369	<0.00369	--
Carbon Disulfide	mg/m <sup>3</sup>	1,500,000	48,000	780		0.00501	0.00108	0.0358	--
Carbon Tetrachloride	mg/m <sup>3</sup>	290	770	0.21		<0.00126	<0.00126	<0.00126	--
Chlorobenzene	mg/m <sup>3</sup>	36,000	3,700	69		<0.000924	<0.000924	<0.000924	--
Chloroform	mg/m <sup>3</sup>	110	290	0.11		<0.000973	<0.000973	<0.000973	--
cis-1,2-Dichloroethene	mg/m <sup>3</sup>	1,100,000	1,100,000	1,100,000		<0.000793	<0.000793	<0.000793	--
Dibromochloromethane	mg/m <sup>3</sup>	57,000	150	57,000		<0.00170	<0.00170	<0.00170	--
1,1-Dichloroethane	mg/m <sup>3</sup>	870,000	90,000	690		<0.000802	<0.000802	<0.000802	--
1,2-Dichloroethane	mg/m <sup>3</sup>	67	180	0.099		<0.000810	<0.000810	<0.000810	--
1,1-Dichloroethene	mg/m <sup>3</sup>	520,000	5,300	240		<0.000793	<0.000793	<0.000793	--
1,2-Dichloropropane	mg/m <sup>3</sup>	240	110	0.31		<0.000924	<0.000924	<0.000924	--
1,3-Dichloropropene (cis + trans)	mg/m <sup>3</sup>	1,900	1,400	0.90		<0.000908	<0.000908	<0.000908	--
Methylene Chloride	mg/m <sup>3</sup>	6,100	5,100	5.6		0.000583	<0.000694	<0.000694	--
Styrene	mg/m <sup>3</sup>	34,000	16,000	1,400		<0.000851	<0.000851	<0.000851	--
Tetrachloroethene	mg/m <sup>3</sup>	360	970	0.55		0.00168	<0.00136	0.00227	--
trans-1,2-Dichloroethene	mg/m <sup>3</sup>	120,000	12,000	85		<0.000793	<0.000793	<0.000793	--
Trichloroethene	mg/m <sup>3</sup>	1,700	1,500	1.5		<0.00107	0.0191	0.00451	--
1,1,1-Trichloroethane	mg/m <sup>3</sup>	870,000	89,000	6,600		<0.00109	0.00161	0.0827	--
1,1,2-Trichloroethane	mg/m <sup>3</sup>	170,000	170,000	170,000		<0.00109	<0.00109	<0.00109	--
Vinyl Chloride	mg/m <sup>3</sup>	780	3,000	0.29		<0.000511	<0.000511	<0.000511	--
<b>Semivolatile Organic Analytical Parameters</b>									
Naphthalene	mg/m <sup>3</sup>	560	5.8	0.11		<0.00330	<0.00330	<0.00330	--
<b>Inorganic Analytical Parameters</b>									
Mercury	mg/m <sup>3</sup>	22	0.62	0.42		<0.0042	<0.0042	<0.0042	<0.000025 (mg/tube)



**Table 3 - Terracon Soil Gas Analytical Results**  
**3710 S. California Avenue**  
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Volatile Chemical	Units	Soil Gas Tier 1 Remediation Objectives			Sample Identification	SG-04	DUP-001 (SG-04)	SG-05	Field Blank #1
		OUTDOOR Inhalation Exposure Route		INDOOR Inhalation Exposure Route	Sample Depth (feet)	3.5	3.5	3.5	--
				Diffusion and Advection	Date Collected	10/30/2023	10/30/2023	10/30/2023	10/31/2023
		Residential	Construction Workers	Residential					
<b>Volatile Organic Analytical Parameters</b>									
Benzene	mg/m <sup>3</sup>	420	1,100	0.37		<0.000639	<0.000639	<0.000639	--
Toluene	mg/m <sup>3</sup>	140,000	50,000	6,200		0.0026	<0.00188	<0.00188	--
Ethylbenzene	mg/m <sup>3</sup>	59,000	8,500	1.3		<0.000867	<0.000867	<0.000867	--
Xylenes (total)	mg/m <sup>3</sup>	49,000	2,900	140		<0.00261	<0.00261	<0.00261	--
Methyl Tertiary-Butyl Ether	mg/m <sup>3</sup>	1,200,000	23,000	3,700		<0.000721	<0.000721	<0.000721	--
Acetone	mg/m <sup>3</sup>	750,000	750,000	750,000		0.00874	0.00471	0.0147	--
Bromodichloromethane	mg/m <sup>3</sup>	450,000	450,000	450,000		<0.00134	<0.00134	<0.00134	--
Bromoform	mg/m <sup>3</sup>	1,800	4,900	11		<0.00621	<0.00621	<0.00621	--
Bromomethane	mg/m <sup>3</sup>	12,000	2,400	6.90		<0.000776	<0.000776	<0.000776	--
2-Butanone	mg/m <sup>3</sup>	380,000	15,000	6400		<0.00369	<0.00369	0.0102	--
Carbon Disulfide	mg/m <sup>3</sup>	1,500,000	48,000	780		0.0173	0.00834	0.0173	--
Carbon Tetrachloride	mg/m <sup>3</sup>	290	770	0.21		<0.00126	<0.00126	<0.00126	--
Chlorobenzene	mg/m <sup>3</sup>	36,000	3,700	69		<0.000924	<0.000924	<0.000924	--
Chloroform	mg/m <sup>3</sup>	110	290	0.11		<0.000973	<0.000973	<0.000973	--
cis-1,2-Dichloroethene	mg/m <sup>3</sup>	1,100,000	1,100,000	1,100,000		<0.000793	<0.000793	<0.000793	--
Dibromochloromethane	mg/m <sup>3</sup>	57,000	150	57,000		<0.00170	<0.00170	<0.00170	--
1,1-Dichloroethane	mg/m <sup>3</sup>	870,000	90,000	690		<0.000802	<0.000802	<0.000802	--
1,2-Dichloroethane	mg/m <sup>3</sup>	67	180	0.099		<0.000810	<0.000810	<0.000810	--
1,1-Dichloroethene	mg/m <sup>3</sup>	520,000	5,300	240		<0.000793	<0.000793	<0.000793	--
1,2-Dichloropropane	mg/m <sup>3</sup>	240	110	0.31		<0.000924	<0.000924	<0.000924	--
1,3-Dichloropropene (cis + trans)	mg/m <sup>3</sup>	1,900	1,400	0.90		<0.000908	<0.000908	<0.000908	--
Methylene Chloride	mg/m <sup>3</sup>	6,100	5,100	5.6		0.00195	<0.000694	0.00232	--
Styrene	mg/m <sup>3</sup>	34,000	16,000	1,400		<0.000851	<0.000851	<0.000851	--
Tetrachloroethene	mg/m <sup>3</sup>	360	970	0.55		<0.00136	<0.00136	<0.00136	--
trans-1,2-Dichloroethene	mg/m <sup>3</sup>	120,000	12,000	85		<0.000793	<0.000793	<0.000793	--
Trichloroethene	mg/m <sup>3</sup>	1,700	1,500	1.5		0.00393	0.0023	0.00222	--
1,1,1-Trichloroethane	mg/m <sup>3</sup>	870,000	89,000	6,600		0.0778	0.048	0.00691	--
1,1,2-Trichloroethane	mg/m <sup>3</sup>	170,000	170,000	170,000		<0.00109	<0.00109	<0.00109	--
Vinyl Chloride	mg/m <sup>3</sup>	780	3,000	0.29		<0.000511	<0.000511	<0.000511	--
<b>Semivolatile Organic Analytical Parameters</b>									
Naphthalene	mg/m <sup>3</sup>	560	5.8	0.11		<0.00330	<0.00330	<0.00330	--
<b>Inorganic Analytical Parameters</b>									
Mercury	mg/m <sup>3</sup>	22	0.62	0.42		<0.0042	<0.0042	<0.0042	<0.000025 (mg/tube)

**Table 3 - Terracon Soil Gas Analytical Results**  
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Volatile Chemical	Units	Soil Gas Tier 1 Remediation Objectives			Sample Identification	SG-06	SG-07	SG-08	SG-09
		OUTDOOR Inhalation Exposure Route		INDOOR Inhalation Exposure Route	Sample Depth (feet)	3.5	3.5	3.5	3.5
				Diffusion and Advection	Date Collected	10/30/2023	10/30/2023	10/30/2023	10/30/2023
		Residential	Construction Workers	Residential					
<b>Volatile Organic Analytical Parameters</b>									
Benzene	mg/m <sup>3</sup>	420	1,100	0.37		0.011	0.0011	0.0719	0.00106
Toluene	mg/m <sup>3</sup>	140,000	50,000	6,200		0.0569	0.00768	0.0411	0.00746
Ethylbenzene	mg/m <sup>3</sup>	59,000	8,500	1.3		0.0129	0.00209	0.00993	0.000936
Xylenes (total)	mg/m <sup>3</sup>	49,000	2,900	140		0.0306	0.00656	0.0257	0.00355
Methyl Tertiary-Butyl Ether	mg/m <sup>3</sup>	1,200,000	23,000	3,700		<0.000721	<0.000721	<0.000721	<0.000721
Acetone	mg/m <sup>3</sup>	750,000	750,000	750,000		0.0587	0.0311	0.0283	0.0264
Bromodichloromethane	mg/m <sup>3</sup>	450,000	450,000	450,000		<0.00134	<0.00134	<0.00134	<0.00134
Bromoform	mg/m <sup>3</sup>	1,800	4,900	11		<0.00621	<0.00621	<0.00621	<0.00621
Bromomethane	mg/m <sup>3</sup>	12,000	2,400	6.90		<0.000776	<0.000776	<0.000776	<0.000776
2-Butanone	mg/m <sup>3</sup>	380,000	15,000	6400		0.014	0.00395	0.0041	<0.00369
Carbon Disulfide	mg/m <sup>3</sup>	1,500,000	48,000	780		0.0934	0.089	0.141	0.000996
Carbon Tetrachloride	mg/m <sup>3</sup>	290	770	0.21		<0.00126	<0.00126	<0.00126	<0.00126
Chlorobenzene	mg/m <sup>3</sup>	36,000	3,700	69		<0.000924	<0.000924	0.00391	<0.000924
Chloroform	mg/m <sup>3</sup>	110	290	0.11		<0.000973	<0.000973	<0.000973	<0.000973
cis-1,2-Dichloroethene	mg/m <sup>3</sup>	1,100,000	1,100,000	1,100,000		<0.000793	<0.000793	<0.000793	<0.000793
Dibromochloromethane	mg/m <sup>3</sup>	57,000	150	57,000		<0.00170	<0.00170	<0.00170	<0.00170
1,1-Dichloroethane	mg/m <sup>3</sup>	870,000	90,000	690		<0.000802	<0.000802	<0.000802	<0.000802
1,2-Dichloroethane	mg/m <sup>3</sup>	67	180	0.099		<0.000810	<0.000810	<0.000810	<0.000810
1,1-Dichloroethene	mg/m <sup>3</sup>	520,000	5,300	240		<0.000793	<0.000793	<0.000793	<0.000793
1,2-Dichloropropane	mg/m <sup>3</sup>	240	110	0.31		<0.000924	<0.000924	<0.000924	<0.000924
1,3-Dichloropropene (cis + trans)	mg/m <sup>3</sup>	1,900	1,400	0.90		<0.000908	<0.000908	<0.000908	<0.000908
Methylene Chloride	mg/m <sup>3</sup>	6,100	5,100	5.6		<0.000694	0.00304	<0.000694	0.0121
Styrene	mg/m <sup>3</sup>	34,000	16,000	1,400		<0.000851	<0.000851	<0.000851	<0.000851
Tetrachloroethene	mg/m <sup>3</sup>	360	970	0.55		0.0155	0.00234	0.00453	<0.00136
trans-1,2-Dichloroethene	mg/m <sup>3</sup>	120,000	12,000	85		<0.000793	<0.000793	<0.000793	<0.000793
Trichloroethene	mg/m <sup>3</sup>	1,700	1,500	1.5		0.002	<0.00107	<0.00107	<0.00107
1,1,1-Trichloroethane	mg/m <sup>3</sup>	870,000	89,000	6,600		0.00243	<0.00109	<0.00109	<0.00109
1,1,2-Trichloroethane	mg/m <sup>3</sup>	170,000	170,000	170,000		<0.00109	<0.00109	<0.00109	<0.00109
Vinyl Chloride	mg/m <sup>3</sup>	780	3,000	0.29		<0.000511	<0.000511	<0.000511	<0.000511
<b>Semivolatile Organic Analytical Parameters</b>									
Naphthalene	mg/m <sup>3</sup>	560	5.8	0.11		<0.00330	<0.00330	<0.00330	<0.00330
<b>Inorganic Analytical Parameters</b>									
Mercury	mg/m <sup>3</sup>	22	0.62	0.42		<0.0042	<0.0042	<0.0042	<0.0042

**Table 3 - Terracon Soil Gas Analytical Results**  
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Volatile Chemical	Units	Soil Gas Tier 1 Remediation Objectives			Sample Identification	SG-10	SG-11	SG-12	SG-13
		OUTDOOR Inhalation Exposure Route		INDOOR Inhalation Exposure Route	Sample Depth (feet)	3.5	3.5	3.5	3.5
				Diffusion and Advection	Date Collected	10/30/2023	10/30/2023	10/30/2023	10/31/2023
		Residential	Construction Workers	Residential					
<b>Volatile Organic Analytical Parameters</b>									
Benzene	mg/m <sup>3</sup>	420	1,100	0.37		0.00152	0.0045	0.00076	0.000671
Toluene	mg/m <sup>3</sup>	140,000	50,000	6,200		0.00584	0.0145	0.00817	0.00384
Ethylbenzene	mg/m <sup>3</sup>	59,000	8,500	1.3		0.00217	0.00373	0.00117	<0.000867
Xylenes (total)	mg/m <sup>3</sup>	49,000	2,900	140		0.00647	0.0103	0.00373	<0.00261
Methyl Tertiary-Butyl Ether	mg/m <sup>3</sup>	1,200,000	23,000	3,700		<0.000721	<0.000721	<0.000721	<0.000721
Acetone	mg/m <sup>3</sup>	750,000	750,000	750,000		0.0105	0.00879	0.0106	0.0122
Bromodichloromethane	mg/m <sup>3</sup>	450,000	450,000	450,000		<0.00134	<0.00134	<0.00134	<0.00134
Bromoform	mg/m <sup>3</sup>	1,800	4,900	11		<0.00621	<0.00621	<0.00621	<0.00621
Bromomethane	mg/m <sup>3</sup>	12,000	2,400	6.90		<0.000776	<0.000776	<0.000776	<0.000776
2-Butanone	mg/m <sup>3</sup>	380,000	15,000	6400		<0.00369	<0.00369	<0.00369	<0.00369
Carbon Disulfide	mg/m <sup>3</sup>	1,500,000	48,000	780		0.00831	0.122	0.00143	0.0448
Carbon Tetrachloride	mg/m <sup>3</sup>	290	770	0.21		<0.00126	<0.00126	<0.00126	<0.00126
Chlorobenzene	mg/m <sup>3</sup>	36,000	3,700	69		<0.000924	<0.000924	<0.000924	<0.000924
Chloroform	mg/m <sup>3</sup>	110	290	0.11		<0.000973	<0.000973	<0.000973	<0.000973
cis-1,2-Dichloroethene	mg/m <sup>3</sup>	1,100,000	1,100,000	1,100,000		<0.000793	<0.000793	<0.000793	<0.000793
Dibromochloromethane	mg/m <sup>3</sup>	57,000	150	57,000		<0.00170	<0.00170	<0.00170	<0.00170
1,1-Dichloroethane	mg/m <sup>3</sup>	870,000	90,000	690		<0.000802	<0.000802	<0.000802	0.000994
1,2-Dichloroethane	mg/m <sup>3</sup>	67	180	0.099		<0.000810	<0.000810	<0.000810	<0.000810
1,1-Dichloroethene	mg/m <sup>3</sup>	520,000	5,300	240		<0.000793	<0.000793	<0.000793	<0.000793
1,2-Dichloropropane	mg/m <sup>3</sup>	240	110	0.31		<0.000924	<0.000924	<0.000924	<0.000924
1,3-Dichloropropene (cis + trans)	mg/m <sup>3</sup>	1,900	1,400	0.90		<0.000908	<0.000908	<0.000908	<0.000908
Methylene Chloride	mg/m <sup>3</sup>	6,100	5,100	5.6		0.000802	0.00385	0.0109	<0.000694
Styrene	mg/m <sup>3</sup>	34,000	16,000	1,400		<0.000851	<0.000851	<0.000851	<0.000851
Tetrachloroethene	mg/m <sup>3</sup>	360	970	0.55		0.00138	0.00244	<0.00136	<0.00136
trans-1,2-Dichloroethene	mg/m <sup>3</sup>	120,000	12,000	85		<0.000793	<0.000793	<0.000793	<0.000793
Trichloroethene	mg/m <sup>3</sup>	1,700	1,500	1.5		<0.00107	<0.00107	<0.00107	<0.00107
1,1,1-Trichloroethane	mg/m <sup>3</sup>	870,000	89,000	6,600		<0.00109	<0.00109	<0.00109	<0.00109
1,1,2-Trichloroethane	mg/m <sup>3</sup>	170,000	170,000	170,000		<0.00109	<0.00109	<0.00109	<0.00109
Vinyl Chloride	mg/m <sup>3</sup>	780	3,000	0.29		<0.000511	<0.000511	<0.000511	<0.000511
<b>Semivolatile Organic Analytical Parameters</b>									
Naphthalene	mg/m <sup>3</sup>	560	5.8	0.11		<0.00330	<0.00330	<0.00330	<0.00330
<b>Inorganic Analytical Parameters</b>									
Mercury	mg/m <sup>3</sup>	22	0.62	0.42		<0.0042	<0.0042	<0.0042	<0.0042

**Table 3 - Terracon Soil Gas Analytical Results**  
**3710 S. California Avenue**  
**Chicago, IL**  
**Terracon Project No. A2237020**  
**Page 5 of 5**

Volatile Chemical	Units	Soil Gas Tier 1 Remediation Objectives			Sample Identification	DUP-002 (SG-13)	SG-14	SG-15	Method Blank
		OUTDOOR Inhalation Exposure Route		INDOOR Inhalation Exposure Route	Sample Depth (feet)	3.5	3.5	3.5	--
				Diffusion and Advection	Date Collected	10/31/2023	10/31/2023	11/1/2023	10/31/2023
		Residential	Construction Workers	Residential					
<b>Volatile Organic Analytical Parameters</b>									
Benzene	mg/m <sup>3</sup>	420	1,100	0.37		0.000687	0.00179	0.000428	--
Toluene	mg/m <sup>3</sup>	140,000	50,000	6,200		0.00509	0.0111	0.0029	--
Ethylbenzene	mg/m <sup>3</sup>	59,000	8,500	1.3		<0.000867	0.00428	0.000402	--
Xylenes (total)	mg/m <sup>3</sup>	49,000	2,900	140		<0.00261	0.00999	0.00147	--
Methyl Tertiary-Butyl Ether	mg/m <sup>3</sup>	1,200,000	23,000	3,700		<0.000721	<0.000721	<0.000721	--
Acetone	mg/m <sup>3</sup>	750,000	750,000	750,000		0.0162	0.00889	0.00461	--
Bromodichloromethane	mg/m <sup>3</sup>	450,000	450,000	450,000		<0.00134	<0.00134	<0.00134	--
Bromoform	mg/m <sup>3</sup>	1,800	4,900	11		<0.00621	<0.00621	<0.00621	--
Bromomethane	mg/m <sup>3</sup>	12,000	2,400	6.90		<0.000776	<0.000776	<0.000776	--
2-Butanone	mg/m <sup>3</sup>	380,000	15,000	6400		<0.00369	<0.00369	<0.00369	--
Carbon Disulfide	mg/m <sup>3</sup>	1,500,000	48,000	780		0.0476	0.00987	0.00433	--
Carbon Tetrachloride	mg/m <sup>3</sup>	290	770	0.21		<0.00126	<0.00126	<0.00126	--
Chlorobenzene	mg/m <sup>3</sup>	36,000	3,700	69		<0.000924	<0.000924	<0.000924	--
Chloroform	mg/m <sup>3</sup>	110	290	0.11		<0.000973	<0.000973	<0.000973	--
cis-1,2-Dichloroethene	mg/m <sup>3</sup>	1,100,000	1,100,000	1,100,000		<0.000793	<0.000793	<0.000793	--
Dibromochloromethane	mg/m <sup>3</sup>	57,000	150	57,000		<0.00170	<0.00170	<0.00170	--
1,1-Dichloroethane	mg/m <sup>3</sup>	870,000	90,000	690		0.00103	<0.000802	<0.000802	--
1,2-Dichloroethane	mg/m <sup>3</sup>	67	180	0.099		<0.000810	<0.000810	<0.000810	--
1,1-Dichloroethene	mg/m <sup>3</sup>	520,000	5,300	240		<0.000793	<0.000793	<0.000793	--
1,2-Dichloropropane	mg/m <sup>3</sup>	240	110	0.31		<0.000924	<0.000924	<0.000924	--
1,3-Dichloropropene (cis + trans)	mg/m <sup>3</sup>	1,900	1,400	0.90		<0.000908	<0.000908	<0.000908	--
Methylene Chloride	mg/m <sup>3</sup>	6,100	5,100	5.6		0.00151	<0.000694	0.000611	--
Styrene	mg/m <sup>3</sup>	34,000	16,000	1,400		<0.000851	<0.000851	<0.000851	--
Tetrachloroethene	mg/m <sup>3</sup>	360	970	0.55		<0.00136	<0.00136	<0.00136	--
trans-1,2-Dichloroethene	mg/m <sup>3</sup>	120,000	12,000	85		<0.000793	<0.000793	<0.000793	--
Trichloroethene	mg/m <sup>3</sup>	1,700	1,500	1.5		<0.00107	<0.00107	<0.00107	--
1,1,1-Trichloroethane	mg/m <sup>3</sup>	870,000	89,000	6,600		<0.00109	<0.00109	<0.00109	--
1,1,2-Trichloroethane	mg/m <sup>3</sup>	170,000	170,000	170,000		<0.00109	<0.00109	<0.00109	--
Vinyl Chloride	mg/m <sup>3</sup>	780	3,000	0.29		<0.000511	<0.000511	<0.000511	--
<b>Semivolatile Organic Analytical Parameters</b>									
Naphthalene	mg/m <sup>3</sup>	560	5.8	0.11		<0.00330	<0.00330	<0.00330	--
<b>Inorganic Analytical Parameters</b>									
Mercury	mg/m <sup>3</sup>	22	0.62	0.42		<0.0042	<0.0042	<0.0042	<0.000025 (mg/tube)

## Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives (TACO)*.

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

mg/m<sup>3</sup> = milligrams per cubic meter of air

-- = Sample not analyzed for this constituent


--- = No IEPA Remediation Objective for this exposure route.

**Bold** = Metals over site-specific background concentrations

*Italicized* Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510 (a)(8).

Elemental mercury determined by semi-mobile mercury reported from species fractionation results

\* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison.

 = Highlighted cell indicates exceedance of Tier 1 Remediation Objective value.  
Background considered ingestion exposure route SRO value for select PNA constituents and arsenic.

## APPENDIX A

EDR SUMMARY RADIUS REPORT, AERIALS AND SANBORN MAPS

**3710 S California Ave 250 Feet Search**

16745 CALIFORNIA AVE

Chicago, IL 60632

Inquiry Number: 7475729.2s

October 20, 2023

## EDR Summary Radius Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

16745 CALIFORNIA AVE  
CHICAGO, IL 60632

#### COORDINATES

Latitude (North): 41.8255000 - 41° 49' 31.80"  
Longitude (West): 87.6966060 - 87° 41' 47.78"  
Universal Transverse Mercator: Zone 16  
UTM X (Meters): 442149.7  
UTM Y (Meters): 4630423.0  
Elevation: 599 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TP  
Source: U.S. Geological Survey

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20190802  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
16745 CALIFORNIA AVE  
CHICAGO, IL 60632

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	AMTRACK RAILROAD	3701 S SACRAMENTO AV	IL TANKS	Lower	1 ft.
<a href="#">B2</a>		2902 W 38TH ST	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	1 ft.
<a href="#">A3</a>	NATIONAL RAILROAD PA	3727 S SACRAMENTO AV	IL UST	Lower	1 ft.
<a href="#">A4</a>	AMTRAK RAILROAD	3727 S SACRAMENTO AV	IL TANKS	Lower	1 ft.
<a href="#">A5</a>	AMTRAK MAINTENANCE F	3729 S SACRAMENTO AV	IL ASBESTOS	Lower	1 ft.
<a href="#">A6</a>	NATIONAL RAILROAD PA	3727 SOUTH SACRAMENT	IL RGA LUST	Lower	1 ft.
<a href="#">A7</a>		3727 S SACRAMENTO BL	IL SPILLS	Lower	1 ft.
<a href="#">A8</a>		3727 S. SACRAMENTO B	IL SPILLS	Lower	1 ft.
<a href="#">A9</a>		3727 S. SACRAMENTO A	IL SPILLS	Lower	1 ft.
<a href="#">A10</a>		3727 S SACRAMENTO AV	IL SPILLS, IL Enforcement, IL CHICAGO INSPECT, IL...	Lower	1 ft.
<a href="#">A11</a>	AMTRAK BRIGHTON PARK	3727 S SACRAMENTO	IL LUST, IL BOL	Lower	1 ft.
<a href="#">A12</a>	AMTRAK	3727 S SACRAMENTO	FINDS	Lower	1 ft.
<a href="#">A13</a>		3743 S SACRAMENTO AV	IL COMPLAINTS	Lower	2, 0.000,
<a href="#">C14</a>		3758 S CALIFORNIA AV	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	7, 0.001, East
<a href="#">C15</a>	UHLICH EVANS LUTHERA	3730 N CALIFORNIA AV	IL TANKS, IL ASBESTOS	Lower	8, 0.002, East
<a href="#">C16</a>	UHLICH CHILDRENS ADV	3730 N CALIFORNIA AV	IL ASBESTOS	Lower	8, 0.002, East
<a href="#">C17</a>	ILLINOIS SMELTING &	3710 S. CALIFORNIA A	LEAD SMELTERS	Lower	8, 0.002, ENE
<a href="#">C18</a>	ROMAR TRANSPORTATION	3710 S CALIFORNIA AV	FINDS	Lower	8, 0.002, ENE
<a href="#">C19</a>	ROMAR TERMINALS INC	3710 S CALIFORNIA AV	IL TANKS	Lower	8, 0.002, ENE
<a href="#">C20</a>		3710 S CALIFORNIA AV	IL COMPLAINTS, IL Enforcement, IL CHICAGO INSPECT	Lower	8, 0.002, ENE
<a href="#">D21</a>		3700 S CALIFORNIA AV	IL PERMITS	Lower	8, 0.002, ENE
<a href="#">A22</a>		3700 S SACRAMENTO AV	IL COMPLAINTS	Lower	39, 0.007, West
<a href="#">D23</a>		3705 S CALIFORNIA AV	IL CHICAGO INSPECT	Lower	48, 0.009, ENE
<a href="#">C24</a>	REGENT GAS & OIL	3713 S CALIFORNIA AV	IL TANKS	Lower	49, 0.009, ENE
<a href="#">A25</a>		3001 W 37TH PL	IL COMPLAINTS	Lower	49, 0.009, West
<a href="#">C26</a>		3717 S CALIFORNIA AV	IL CHICAGO INSPECT	Lower	49, 0.009, ENE
<a href="#">B27</a>		2856 W 38TH ST	IL CHICAGO INSPECT	Lower	81, 0.015, SSW
<a href="#">C28</a>		3741 S CALIFORNIA AV	IL ASBESTOS, IL CHICAGO INSPECT	Lower	94, 0.018, East
<a href="#">C29</a>		3735 S CALIFORNIA AV	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	94, 0.018, East
<a href="#">C30</a>	MICHAEL MARDEN	2810 W 38TH ST	IL TANKS	Lower	101, 0.019, SE
<a href="#">C31</a>		2810 W 38TH ST	IL COMPLAINTS	Lower	101, 0.019, SE
<a href="#">B32</a>		2916 W 38TH ST	IL CHICAGO INSPECT	Lower	110, 0.021, SW
<a href="#">B33</a>		2926 W 38TH ST	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	110, 0.021, WSW
<a href="#">B34</a>		2910 W 38TH ST	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	110, 0.021, SW
<a href="#">B35</a>		2912 W 38TH ST	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	111, 0.021, SW
<a href="#">E36</a>		2936 W 38TH ST	IL COMPLAINTS, IL ASBESTOS, IL CHICAGO INSPECT	Lower	111, 0.021, WSW
<a href="#">B37</a>		2900 W 38TH ST	IL ASBESTOS	Lower	111, 0.021, SSW
<a href="#">A38</a>		2956 W 38TH ST	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	112, 0.021, WSW
<a href="#">A39</a>		3742 S SACRAMENTO AV	IL COMPLAINTS	Lower	123, 0.023, WSW

MAPPED SITES SUMMARY

Target Property Address:  
16745 CALIFORNIA AVE  
CHICAGO, IL 60632

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">C40</a>		3801 S CALIFORNIA AV	IL COMPLAINTS	Lower	132, 0.025, ESE
<a href="#">C41</a>		3759 S CALIFORNIA AV	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	153, 0.029, ESE
<a href="#">A42</a>	3000 W 38TH ST	3000 W 38TH ST	HMIRS	Lower	166, 0.031, WSW
<a href="#">F43</a>		2813 W 38TH ST	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	172, 0.033, SE
<a href="#">E44</a>	CENTRAL PATTERN & FR	2931 W 38TH ST	IL TANKS	Lower	226, 0.043, SW
<a href="#">F45</a>	RAYMOND ZEBEAU	2801 W 38TH ST	IL TANKS	Lower	226, 0.043, SE
<a href="#">F46</a>		2801 W 38TH ST	IL COMPLAINTS	Lower	226, 0.043, SE
<a href="#">47</a>		2839 2841 W 38TH ST	IL ASBESTOS	Lower	227, 0.043, SSE
<a href="#">F48</a>	BUND ROSE MRS	2807 W 38TH	EDR Hist Cleaner	Lower	227, 0.043, SE
<a href="#">49</a>		3800 S SACRAMENTO AV	IL COMPLAINTS, IL CHICAGO INSPECT	Lower	238, 0.045, WSW
<a href="#">E50</a>		2917 W 38TH ST	IL CHICAGO INSPECT	Lower	241, 0.046, SW
<a href="#">E51</a>	CARSTAR	2929 W 38TH ST	IL COMPLAINTS, IL BOL, IL CHICAGO INSPECT, IL...	Lower	242, 0.046, SW
<a href="#">E52</a>	CAL S COLLISION CENT	2929 W 38TH ST	EDR Hist Auto	Lower	242, 0.046, SW
<a href="#">E53</a>	COLLISION REVISION C	2929 W 38TH ST	FINDS, ECHO	Lower	242, 0.046, SW
<a href="#">E54</a>	CARSTAR CHICAGO 38TH	2929 W 38TH ST	RCRA-VSQQ, FINDS, ECHO, WI MANIFEST	Lower	242, 0.046, SW
<a href="#">E55</a>		2951 W 38TH ST	IL ASBESTOS	Lower	243, 0.046, WSW
<a href="#">56</a>		2742 W 38TH ST	IL ASBESTOS, IL CHICAGO INSPECT	Lower	244, 0.046, ESE
<a href="#">57</a>	STRATEGIC MATERIALS		PFAS ECHO	Lower	687, 0.130, West
<a href="#">58</a>	NYCO PRODUCTS CO		PFAS ECHO	Lower	934, 0.177, NW
<a href="#">G59</a>	D&S METAL POLISHING		PFAS ECHO	Lower	1062, 0.201, WNW
<a href="#">G60</a>	ZARCO INDUSTRIES INC		PFAS ECHO	Lower	1280, 0.242, WNW

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

### ***Lists of Federal RCRA generators***

RCRA-VSQG: A review of the RCRA-VSQG list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 RCRA-VSQG site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>CARSTAR CHICAGO 38TH</i></b> EPA ID:: ILR000023309	<b><i>2929 W 38TH ST</i></b>	<b><i>SW 0 - 1/8 (0.046 mi.)</i></b>	<b><i>E54</i></b>	<b><i>17</i></b>

### ***Lists of state and tribal leaking storage tanks***

IL LUST: A review of the IL LUST list, as provided by EDR, and dated 07/17/2023 has revealed that there is 1 IL LUST site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>AMTRAK BRIGHTON PARK</i></b> NFA/NFR Letter: 1997-06-06 Incident Num: 913600 IL EPA Id: 316585078	<b><i>3727 S SACRAMENTO</i></b>	<b><i>0 - 1/8 (0.000 mi.)</i></b>	<b><i>A11</i></b>	<b><i>10</i></b>

## EXECUTIVE SUMMARY

### ***Lists of state and tribal registered storage tanks***

IL UST: A review of the IL UST list, as provided by EDR, and dated 07/17/2023 has revealed that there is 1 IL UST site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NATIONAL RAILROAD PA Facility Id: 2034008 Tank Status: Abandoned in place Status: EXEMPT	3727 S SACRAMENTO AV	0 - 1/8 (0.000 mi.)	A3	8

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Registered Storage Tanks***

IL TANKS: A review of the IL TANKS list, as provided by EDR, and dated 05/31/2023 has revealed that there are 8 IL TANKS sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMTRACK RAILROAD	3701 S SACRAMENTO AV	0 - 1/8 (0.000 mi.)	A1	8
AMTRAK RAILROAD	3727 S SACRAMENTO AV	0 - 1/8 (0.000 mi.)	A4	8
<b><i>UHLICH EVANS LUTHERA</i></b>	<b><i>3730 N CALIFORNIA AV</i></b>	<b><i>E 0 - 1/8 (0.002 mi.)</i></b>	<b><i>C15</i></b>	<b><i>10</i></b>
ROMAR TERMINALS INC	3710 S CALIFORNIA AV	ENE 0 - 1/8 (0.002 mi.)	C19	11
REGENT GAS & OIL	3713 S CALIFORNIA AV	ENE 0 - 1/8 (0.009 mi.)	C24	12
MICHAEL MARDEN	2810 W 38TH ST	SE 0 - 1/8 (0.019 mi.)	C30	13
CENTRAL PATTERN & FR	2931 W 38TH ST	SW 0 - 1/8 (0.043 mi.)	E44	15
RAYMOND ZEBEAU	2801 W 38TH ST	SE 0 - 1/8 (0.043 mi.)	F45	16

#### ***Records of Emergency Release Reports***

HMIRS: A review of the HMIRS list, as provided by EDR, and dated 06/19/2023 has revealed that there is 1 HMIRS site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
3000 W 38TH ST System ID:: 415368	3000 W 38TH ST	WSW 0 - 1/8 (0.031 mi.)	A42	15

IL SPILLS: A review of the IL SPILLS list, as provided by EDR, has revealed that there are 4 IL SPILLS sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Database: SPILLS, Date of Government Version: 07/06/2023	3727 S SACRAMENTO BL	0 - 1/8 (0.000 mi.)	A7	9

## EXECUTIVE SUMMARY

Incident ID: 20100648

Not reported	3727 S. SACRAMENTO B	0 - 1/8 (0.000 mi.)	A8	9
	Database: IEMA SPILLS, Date of Government Version: 07/24/2023			
Not reported	3727 S. SACRAMENTO A	0 - 1/8 (0.000 mi.)	A9	9
	Database: IEMA SPILLS, Date of Government Version: 07/24/2023			
<b>Not reported</b>	<b>3727 S SACRAMENTO AV</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A10</b>	<b>9</b>
	Database: SPILLS, Date of Government Version: 07/06/2023			
	Incident ID: 19913600			

IL COMPLAINTS: A review of the IL COMPLAINTS list, as provided by EDR, and dated 08/23/2023 has revealed that there are 20 IL COMPLAINTS sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>Not reported</b>	<b>2902 W 38TH ST</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B2</b>	<b>8</b>
Not reported	3743 S SACRAMENTO AV	0 - 1/8 (0.000 mi.)	A13	10
<b>Not reported</b>	<b>3758 S CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.001 mi.)</b>	<b>C14</b>	<b>10</b>
<b>Not reported</b>	<b>3710 S CALIFORNIA AV</b>	<b>ENE 0 - 1/8 (0.002 mi.)</b>	<b>C20</b>	<b>11</b>
Not reported	3700 S SACRAMENTO AV	W 0 - 1/8 (0.007 mi.)	A22	12
Not reported	3001 W 37TH PL	W 0 - 1/8 (0.009 mi.)	A25	12
<b>Not reported</b>	<b>3735 S CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.018 mi.)</b>	<b>C29</b>	<b>13</b>
Not reported	2810 W 38TH ST	SE 0 - 1/8 (0.019 mi.)	C31	13
<b>Not reported</b>	<b>2926 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>B33</b>	<b>14</b>
<b>Not reported</b>	<b>2910 W 38TH ST</b>	<b>SW 0 - 1/8 (0.021 mi.)</b>	<b>B34</b>	<b>14</b>
<b>Not reported</b>	<b>2912 W 38TH ST</b>	<b>SW 0 - 1/8 (0.021 mi.)</b>	<b>B35</b>	<b>14</b>
<b>Not reported</b>	<b>2936 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>E36</b>	<b>14</b>
<b>Not reported</b>	<b>2956 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>A38</b>	<b>14</b>
Not reported	3742 S SACRAMENTO AV	WSW 0 - 1/8 (0.023 mi.)	A39	15
Not reported	3801 S CALIFORNIA AV	ESE 0 - 1/8 (0.025 mi.)	C40	15
<b>Not reported</b>	<b>3759 S CALIFORNIA AV</b>	<b>ESE 0 - 1/8 (0.029 mi.)</b>	<b>C41</b>	<b>15</b>
<b>Not reported</b>	<b>2813 W 38TH ST</b>	<b>SE 0 - 1/8 (0.033 mi.)</b>	<b>F43</b>	<b>15</b>
Not reported	2801 W 38TH ST	SE 0 - 1/8 (0.043 mi.)	F46	16
<b>Not reported</b>	<b>3800 S SACRAMENTO AV</b>	<b>WSW 0 - 1/8 (0.045 mi.)</b>	<b>49</b>	<b>16</b>
<b>CARSTAR</b>	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E51</b>	<b>17</b>

### Other Ascertainable Records

LEAD SMELTERS: A review of the LEAD SMELTERS list, as provided by EDR, has revealed that there is 1 LEAD SMELTERS site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ILLINOIS SMELTING &	3710 S. CALIFORNIA A	ENE 0 - 1/8 (0.002 mi.)	C17	11
	Database: LEAD SMELTER 2, Date of Government Version: 04/05/2001			
	Site number:: 098			

## EXECUTIVE SUMMARY

**FINDS:** A review of the FINDS list, as provided by EDR, and dated 05/04/2023 has revealed that there are 4 FINDS sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMTRAK Registry ID:: 110018215448	3727 S SACRAMENTO	0 - 1/8 (0.000 mi.)	A12	10
ROMAR TRANSPORTATION Registry ID:: 110054185895	3710 S CALIFORNIA AV	ENE 0 - 1/8 (0.002 mi.)	C18	11
<b>COLLISION REVISION C</b> Registry ID:: 110070160820	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E53</b>	<b>17</b>
<b>CARSTAR CHICAGO 38TH</b> Registry ID:: 110005945433	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E54</b>	<b>17</b>

**ECHO:** A review of the ECHO list, as provided by EDR, and dated 06/24/2023 has revealed that there are 2 ECHO sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>COLLISION REVISION C</b> Registry ID: 110070160820	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E53</b>	<b>17</b>
<b>CARSTAR CHICAGO 38TH</b> Registry ID: 110005945433	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E54</b>	<b>17</b>

**PFAS ECHO:** A review of the PFAS ECHO list, as provided by EDR, and dated 07/05/2023 has revealed that there are 4 PFAS ECHO sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STRATEGIC MATERIALS		W 1/8 - 1/4 (0.130 mi.)	57	18
NYCO PRODUCTS CO		NW 1/8 - 1/4 (0.177 mi.)	58	18
D&S METAL POLISHING		WNW 1/8 - 1/4 (0.201 mi.)	G59	18
ZARCO INDUSTRIES INC		WNW 1/8 - 1/4 (0.242 mi.)	G60	18

**IL ASBESTOS:** A review of the IL ASBESTOS list, as provided by EDR, has revealed that there are 9 IL ASBESTOS sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMTRAK MAINTENANCE F Database: ASBESTOS, Date of Government Version: 06/16/2023 Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	3729 S SACRAMENTO AV	0 - 1/8 (0.000 mi.)	A5	8
<b>UHLICH EVANS LUTHERA</b> Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	<b>3730 N CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.002 mi.)</b>	<b>C15</b>	<b>10</b>
UHLICH CHILDRENS ADV Database: ASBESTOS, Date of Government Version: 06/16/2023	3730 N CALIFORNIA AV	E 0 - 1/8 (0.002 mi.)	C16	11
<b>Not reported</b> Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	<b>3741 S CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.018 mi.)</b>	<b>C28</b>	<b>13</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>Not reported</b> Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	<b>2936 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>E36</b>	<b>14</b>
Not reported Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	2900 W 38TH ST	SSW 0 - 1/8 (0.021 mi.)	B37	14
Not reported Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	2839 2841 W 38TH ST	SSE 0 - 1/8 (0.043 mi.)	47	16
Not reported Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	2951 W 38TH ST	WSW 0 - 1/8 (0.046 mi.)	E55	18
<b>Not reported</b> Database: CHICAGO ASBESTOS, Date of Government Version: 06/08/2023	<b>2742 W 38TH ST</b>	<b>ESE 0 - 1/8 (0.046 mi.)</b>	<b>56</b>	<b>18</b>

IL BOL: A review of the IL BOL list, as provided by EDR, and dated 12/02/2021 has revealed that there are 2 IL BOL sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AMTRAK BRIGHTON PARK</b> Site Id: 170000531468 Inv Num: 0316585078	<b>3727 S SACRAMENTO</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A11</b>	<b>10</b>
<b>CARSTAR</b> Site Id: 170000324156 Inv Num: 0316585130	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E51</b>	<b>17</b>

IL Enforcement: A review of the IL Enforcement list, as provided by EDR, and dated 05/31/2023 has revealed that there are 2 IL Enforcement sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>Not reported</b>	<b>3727 S SACRAMENTO AV</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A10</b>	<b>9</b>
<b>Not reported</b>	<b>3710 S CALIFORNIA AV</b>	<b>ENE 0 - 1/8 (0.002 mi.)</b>	<b>C20</b>	<b>11</b>

IL CHICAGO INSPECT: A review of the IL CHICAGO INSPECT list, as provided by EDR, and dated 05/31/2023 has revealed that there are 21 IL CHICAGO INSPECT sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>Not reported</b>	<b>2902 W 38TH ST</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B2</b>	<b>8</b>
<b>Not reported</b>	<b>3727 S SACRAMENTO AV</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A10</b>	<b>9</b>
<b>Not reported</b>	<b>3758 S CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.001 mi.)</b>	<b>C14</b>	<b>10</b>
<b>Not reported</b>	<b>3710 S CALIFORNIA AV</b>	<b>ENE 0 - 1/8 (0.002 mi.)</b>	<b>C20</b>	<b>11</b>
Not reported	3705 S CALIFORNIA AV	ENE 0 - 1/8 (0.009 mi.)	D23	12
Not reported	3717 S CALIFORNIA AV	ENE 0 - 1/8 (0.009 mi.)	C26	12
Not reported	2856 W 38TH ST	SSW 0 - 1/8 (0.015 mi.)	B27	13
<b>Not reported</b>	<b>3741 S CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.018 mi.)</b>	<b>C28</b>	<b>13</b>
<b>Not reported</b>	<b>3735 S CALIFORNIA AV</b>	<b>E 0 - 1/8 (0.018 mi.)</b>	<b>C29</b>	<b>13</b>



## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2916 W 38TH ST	SW 0 - 1/8 (0.021 mi.)	B32	13
<b>Not reported</b>	<b>2926 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>B33</b>	<b>14</b>
<b>Not reported</b>	<b>2910 W 38TH ST</b>	<b>SW 0 - 1/8 (0.021 mi.)</b>	<b>B34</b>	<b>14</b>
<b>Not reported</b>	<b>2912 W 38TH ST</b>	<b>SW 0 - 1/8 (0.021 mi.)</b>	<b>B35</b>	<b>14</b>
<b>Not reported</b>	<b>2936 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>E36</b>	<b>14</b>
<b>Not reported</b>	<b>2956 W 38TH ST</b>	<b>WSW 0 - 1/8 (0.021 mi.)</b>	<b>A38</b>	<b>14</b>
<b>Not reported</b>	<b>3759 S CALIFORNIA AV</b>	<b>ESE 0 - 1/8 (0.029 mi.)</b>	<b>C41</b>	<b>15</b>
<b>Not reported</b>	<b>2813 W 38TH ST</b>	<b>SE 0 - 1/8 (0.033 mi.)</b>	<b>F43</b>	<b>15</b>
<b>Not reported</b>	<b>3800 S SACRAMENTO AV</b>	<b>WSW 0 - 1/8 (0.045 mi.)</b>	<b>49</b>	<b>16</b>
Not reported	2917 W 38TH ST	SW 0 - 1/8 (0.046 mi.)	E50	16
<b>CARSTAR</b>	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E51</b>	<b>17</b>
<b>Not reported</b>	<b>2742 W 38TH ST</b>	<b>ESE 0 - 1/8 (0.046 mi.)</b>	<b>56</b>	<b>18</b>

WI MANIFEST: A review of the WI MANIFEST list, as provided by EDR, and dated 05/31/2018 has revealed that there is 1 WI MANIFEST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CARSTAR CHICAGO 38TH</b> ACT Status: A FID: 0 EPA ID: ILR000023309	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E54</b>	<b>17</b>

IL PERMITS: A review of the IL PERMITS list, as provided by EDR, and dated 05/31/2023 has revealed that there are 3 IL PERMITS sites within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>Not reported</b>	<b>3727 S SACRAMENTO AV</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A10</b>	<b>9</b>
Not reported	3700 S CALIFORNIA AV	ENE 0 - 1/8 (0.002 mi.)	D21	12
<b>CARSTAR</b>	<b>2929 W 38TH ST</b>	<b>SW 0 - 1/8 (0.046 mi.)</b>	<b>E51</b>	<b>17</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CAL S COLLISION CENT	2929 W 38TH ST	SW 0 - 1/8 (0.046 mi.)	E52	17

## EXECUTIVE SUMMARY

EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.047 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BUND ROSE MRS	2807 W 38TH	SE 0 - 1/8 (0.043 mi.)	F48	16

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

IL RGA LUST: A review of the IL RGA LUST list, as provided by EDR, has revealed that there is 1 IL RGA LUST site within approximately 0.047 miles of the target property.

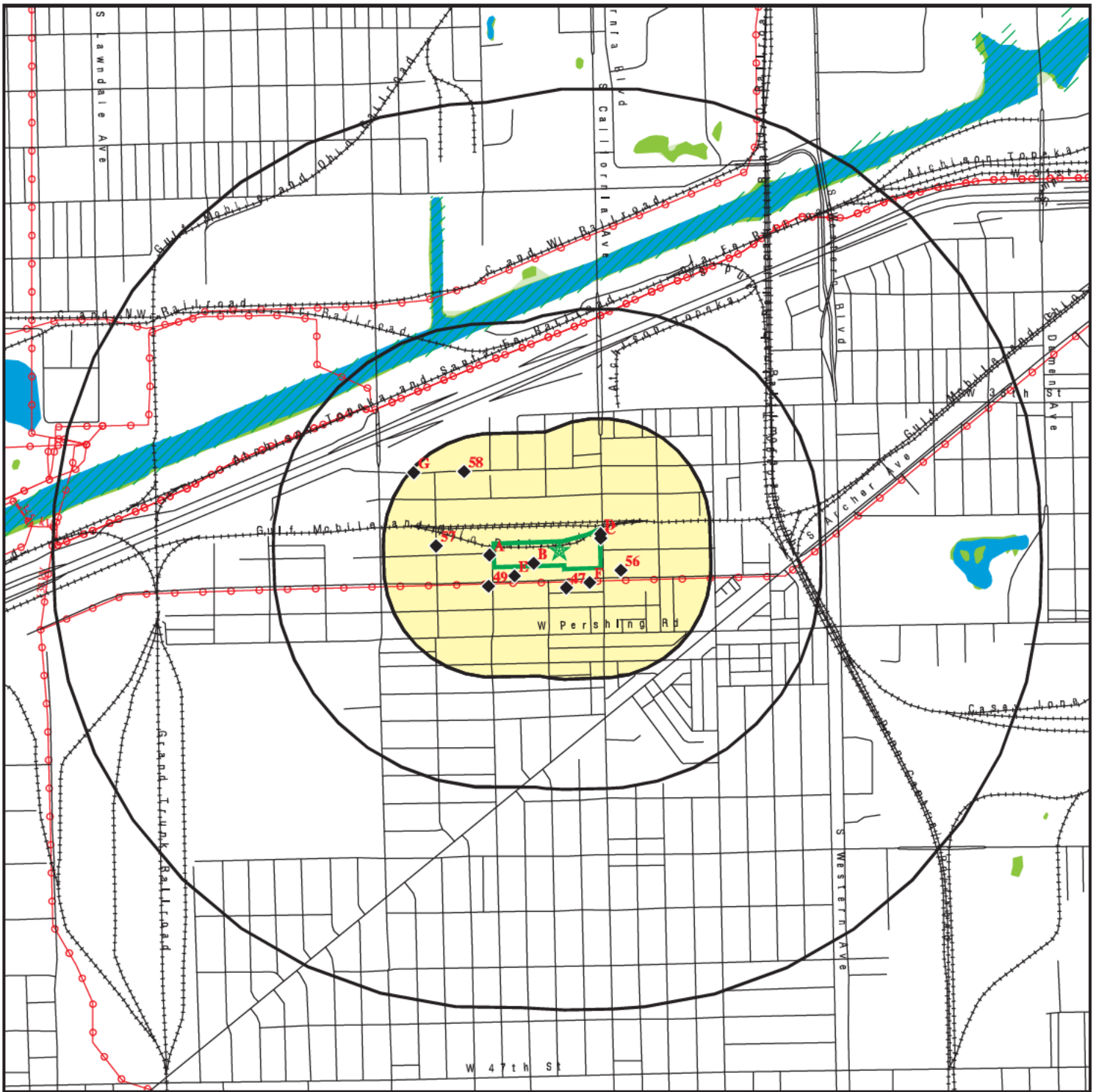
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NATIONAL RAILROAD PA Facility ID: 913600	3727 SOUTH SACRAMENT	0 - 1/8 (0.000 mi.)	A6	9







Count: 1 records.







ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHICAGO	1026584980	COURTESY METAL COMPANY, INC.	HARVEY A. JACOBSON 3711 S. CAL	60632	PRP

# OVERVIEW MAP - 7475729.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

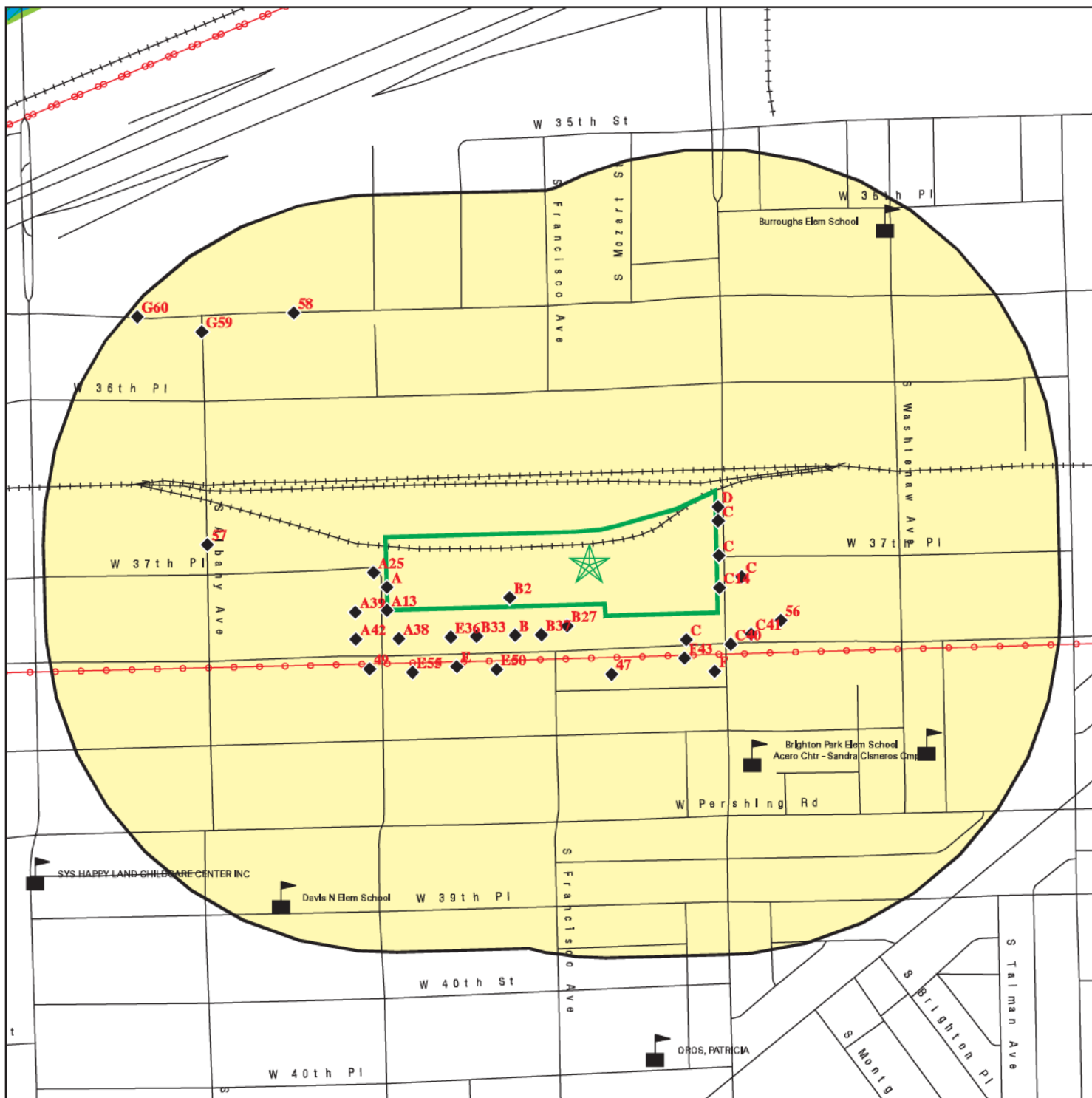
-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 3710 S California Ave 250 Feet Search  
 ADDRESS: 16745 CALIFORNIA AVE  
 Chicago IL 60632  
 LAT/LONG: 41.8255 / 87.696606

CLIENT: City of Chicago 2FM  
 CONTACT: Paul Waite  
 INQUIRY #: 7475729.2S  
 DATE: October 20, 2023 8:06 am

# DETAIL MAP - 7475729.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 3710 S California Ave 250 Feet Search  
 ADDRESS: 16745 CALIFORNIA AVE  
 Chicago IL 60632  
 LAT/LONG: 41.8255 / 87.696606

CLIENT: City of Chicago 2FM  
 CONTACT: Paul Waite  
 INQUIRY #: 7475729.2S  
 DATE: October 20, 2023 8:07 am

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Lists of Federal NPL (Superfund) sites</i></b>								
NPL	0.047		0	NR	NR	NR	NR	0
Proposed NPL	0.047		0	NR	NR	NR	NR	0
NPL LIENS	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of Federal Delisted NPL sites</i></b>								
Delisted NPL	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i></b>								
FEDERAL FACILITY	0.047		0	NR	NR	NR	NR	0
SEMS	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of Federal CERCLA sites with NFRAP</i></b>								
SEMS-ARCHIVE	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of Federal RCRA facilities undergoing Corrective Action</i></b>								
CORRACTS	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of Federal RCRA TSD facilities</i></b>								
RCRA-TSDF	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of Federal RCRA generators</i></b>								
RCRA-LQG	0.047		0	NR	NR	NR	NR	0
RCRA-SQG	0.047		0	NR	NR	NR	NR	0
RCRA-VSQG	0.047		1	NR	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.047		0	NR	NR	NR	NR	0
US ENG CONTROLS	0.047		0	NR	NR	NR	NR	0
US INST CONTROLS	0.047		0	NR	NR	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of state- and tribal hazardous waste facilities</i></b>								
IL SSU	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of state and tribal landfills and solid waste disposal facilities</i></b>								
IL CCDD	0.047		0	NR	NR	NR	NR	0
IL SWF/LF	0.047		0	NR	NR	NR	NR	0
IL LF SPECIAL WASTE	0.047		0	NR	NR	NR	NR	0
IL NIPC	0.047		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><i>Lists of state and tribal leaking storage tanks</i></b>								
IL LUST	0.047		1	NR	NR	NR	NR	1
INDIAN LUST	0.047		0	NR	NR	NR	NR	0
IL LUST TRUST	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of state and tribal registered storage tanks</i></b>								
FEMA UST	0.047		0	NR	NR	NR	NR	0
IL UST	0.047		1	NR	NR	NR	NR	1
IL AST	0.047		0	NR	NR	NR	NR	0
INDIAN UST	0.047		0	NR	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
IL ENG CONTROLS	0.047		0	NR	NR	NR	NR	0
IL INST CONTROL	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of state and tribal voluntary cleanup sites</i></b>								
IL SRP	0.047		0	NR	NR	NR	NR	0
INDIAN VCP	0.047		0	NR	NR	NR	NR	0
<b><i>Lists of state and tribal brownfield sites</i></b>								
IL BROWNFIELDS	0.047		0	NR	NR	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.047		0	NR	NR	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
INDIAN ODI	0.047		0	NR	NR	NR	NR	0
DEBRIS REGION 9	0.047		0	NR	NR	NR	NR	0
ODI	0.047		0	NR	NR	NR	NR	0
IHS OPEN DUMPS	0.047		0	NR	NR	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	0.047		0	NR	NR	NR	NR	0
IL CDL	0.047		0	NR	NR	NR	NR	0
US CDL	0.047		0	NR	NR	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
IL TANKS	0.047		8	NR	NR	NR	NR	8
<b><i>Local Land Records</i></b>								
LIENS 2	0.047		0	NR	NR	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	0.047		1	NR	NR	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IL SPILLS	0.047		4	NR	NR	NR	NR	4
IL COMPLAINTS	0.047		20	NR	NR	NR	NR	20
IL SPILLS 90	0.047		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.047		0	NR	NR	NR	NR	0
FUDS	0.047		0	NR	NR	NR	NR	0
DOD	0.047		0	NR	NR	NR	NR	0
SCRD DRYCLEANERS	0.047		0	NR	NR	NR	NR	0
US FIN ASSUR	0.047		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.047		0	NR	NR	NR	NR	0
2020 COR ACTION	0.047		0	NR	NR	NR	NR	0
TSCA	0.047		0	NR	NR	NR	NR	0
TRIS	0.047		0	NR	NR	NR	NR	0
SSTS	0.047		0	NR	NR	NR	NR	0
ROD	0.047		0	NR	NR	NR	NR	0
RMP	0.047		0	NR	NR	NR	NR	0
RAATS	0.047		0	NR	NR	NR	NR	0
PRP	0.047		0	NR	NR	NR	NR	0
PADS	0.047		0	NR	NR	NR	NR	0
ICIS	0.047		0	NR	NR	NR	NR	0
FTTS	0.047		0	NR	NR	NR	NR	0
MLTS	0.047		0	NR	NR	NR	NR	0
COAL ASH DOE	0.047		0	NR	NR	NR	NR	0
COAL ASH EPA	0.047		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.047		0	NR	NR	NR	NR	0
RADINFO	0.047		0	NR	NR	NR	NR	0
HIST FTTS	0.047		0	NR	NR	NR	NR	0
DOT OPS	0.047		0	NR	NR	NR	NR	0
CONSENT	0.047		0	NR	NR	NR	NR	0
INDIAN RESERV	0.047		0	NR	NR	NR	NR	0
FUSRAP	0.047		0	NR	NR	NR	NR	0
UMTRA	0.047		0	NR	NR	NR	NR	0
LEAD SMELTERS	0.047		1	NR	NR	NR	NR	1
US AIRS	0.047		0	NR	NR	NR	NR	0
US MINES	0.047		0	NR	NR	NR	NR	0
ABANDONED MINES	0.047		0	NR	NR	NR	NR	0
MINES MRDS	0.047		0	NR	NR	NR	NR	0
FINDS	0.047		4	NR	NR	NR	NR	4
ECHO	0.047		2	NR	NR	NR	NR	2
UXO	0.047		0	NR	NR	NR	NR	0
DOCKET HWC	0.047		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.047		0	NR	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS ECHO	0.250		0	4	NR	NR	NR	4
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
IL PFAS	0.047		0	NR	NR	NR	NR	0
IL AIRS	0.047		0	NR	NR	NR	NR	0
IL ASBESTOS	0.047		9	NR	NR	NR	NR	9
IL BOL	0.047		2	NR	NR	NR	NR	2
IL COAL ASH	0.047		0	NR	NR	NR	NR	0
IL DRYCLEANERS	0.047		0	NR	NR	NR	NR	0
IL Enforcement	0.047		2	NR	NR	NR	NR	2
IL CHICAGO INSPECT	0.047		21	NR	NR	NR	NR	21
IL Financial Assurance	0.047		0	NR	NR	NR	NR	0
IL HWAR	0.047		0	NR	NR	NR	NR	0
IL IMPDMENT	0.047		0	NR	NR	NR	NR	0
WI MANIFEST	0.250		1	0	NR	NR	NR	1
IL NPDES	0.047		0	NR	NR	NR	NR	0
IL PERMITS	0.047		3	NR	NR	NR	NR	3
IL PIMW	0.047		0	NR	NR	NR	NR	0
IL TIER 2	0.047		0	NR	NR	NR	NR	0
IL UIC	0.047		0	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	0.047		0	NR	NR	NR	NR	0
EDR Hist Auto	0.047		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.047		1	NR	NR	NR	NR	1
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
IL RGA HWS	0.047		0	NR	NR	NR	NR	0
IL RGA LF	0.047		0	NR	NR	NR	NR	0
IL RGA LUST	0.047		1	NR	NR	NR	NR	1
- Totals --		0	84	4	0	0	0	88

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
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A1  < 1/8 1 ft.	AMTRACK RAILROAD 3701 S SACRAMENTO AVE CHICAGO, IL	IL TANKS	S121850617 N/A
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Relative:  
Lower

[Click here for full text details](#)

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B2  < 1/8 1 ft.	2902 W 38TH ST CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S116611455 N/A
--------------------------	-------------------------------	-------------------------------------	-------------------

Relative:  
Lower

[Click here for full text details](#)

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A3  < 1/8 1 ft.	NATIONAL RAILROAD PASSENGER CORP 3727 S SACRAMENTO AVE CHICAGO, IL 60632	IL UST	U002222597 N/A
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Relative:  
Lower

[Click here for full text details](#)

IL UST  
Tank Status Abandoned in place  
Status EXEMPT  
Facility Id 2034008

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A4  < 1/8 1 ft.	AMTRAK RAILROAD 3727 S SACRAMENTO AVE CHICAGO, IL	IL TANKS	S121850697 N/A
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Relative:  
Lower

[Click here for full text details](#)

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A5  < 1/8 1 ft.	AMTRAK MAINTENANCE FACILITY 3729 S SACRAMENTO AVE CHICAGO, IL	IL ASBESTOS	S125677973 N/A
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Relative:  
Lower

[Click here for full text details](#)

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
A6		< 1/8	1 ft.	NATIONAL RAILROAD PASSENGER CORP. 3727 SOUTH SACRAMENTO AVE. CHICAGO, IL	IL RGA LUST	S115514089	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower				IL RGA LUST Facility ID 913600			
A7		< 1/8	1 ft.	3727 S SACRAMENTO BLVD CHICAGO, IL	IL SPILLS	S110363709	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower				IL SPILLS Incident ID 20100648			
A8		< 1/8	1 ft.	3727 S. SACRAMENTO BLVD. /CANADIAN NATIONAL TRACKS CHICAGO, IL	IL SPILLS	S115772487	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
A9		< 1/8	1 ft.	3727 S. SACRAMENTO AVE. CHICAGO, IL	IL SPILLS	S115731088	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
A10		< 1/8	1 ft.	3727 S SACRAMENTO AVE CHICAGO, IL	IL SPILLS IL Enforcement IL CHICAGO INSPECT IL PERMITS	S111882592	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower				IL SPILLS Incident ID 19913600			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A11 < 1/8 1 ft.	AMTRAK BRIGHTON PARK FACILITY 3727 S SACRAMENTO CHICAGO, IL 60632	IL LUST IL BOL	S104525350 N/A
Relative: Lower	<a href="#">Click here for full text details</a> <b>IL LUST</b> NFA/NFR Letter 1997-06-06 Incident Num 913600 IL EPA Id 316585078  <b>IL BOL</b> Site Id 170000531468 Inv Num 0316585078		
A12 < 1/8 1 ft.	AMTRAK 3727 S SACRAMENTO CHICAGO, IL 60632	FINDS	1008124894 N/A
Relative: Lower	<a href="#">Click here for full text details</a> <b>FINDS</b> Registry ID: 110018215448		
A13 < 1/8 0.000 mi. 2 ft.	3743 S SACRAMENTO AVE CHICAGO, IL	IL COMPLAINTS	S117494688 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
C14 East < 1/8 0.001 mi. 7 ft.	3758 S CALIFORNIA AVE CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S117494880 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
C15 East < 1/8 0.002 mi. 8 ft.	UHLICH EVANS LUTHERAN ORPHAN ASYLUM 3730 N CALIFORNIA AVE CHICAGO, IL	IL TANKS IL ASBESTOS	S121850706 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C16 East < 1/8 0.002 mi. 8 ft.  Relative: Lower	UHLICH CHILDRENS ADVANTAGE NETWORK FORMER 3730 N CALIFORNIA AVE CHICAGO, IL 60618  <a href="#">Click here for full text details</a>	IL ASBESTOS	S117494468 N/A
C17 ENE < 1/8 0.002 mi. 8 ft.  Relative: Lower	ILLINOIS SMELTING & REFINING CO. OFFICE? 3710 S. CALIFORNIA AVE. CHICAGO, IL  <a href="#">Click here for full text details</a>  LEAD SMELTERS Site number: 098	LEAD SMELTERS	1014201361 N/A
C18 ENE < 1/8 0.002 mi. 8 ft.  Relative: Lower	ROMAR TRANSPORTATION 3710 S CALIFORNIA AVE CHICAGO, IL 60632  <a href="#">Click here for full text details</a>  FINDS Registry ID: 110054185895	FINDS	1015975634 N/A
C19 ENE < 1/8 0.002 mi. 8 ft.  Relative: Lower	ROMAR TERMINALS INC 3710 S CALIFORNIA AVE CHICAGO, IL  <a href="#">Click here for full text details</a>	IL TANKS	S121850642 N/A
C20 ENE < 1/8 0.002 mi. 8 ft.  Relative: Lower	3710 S CALIFORNIA AVE CHICAGO, IL  <a href="#">Click here for full text details</a>	IL COMPLAINTS IL Enforcement IL CHICAGO INSPECT	S117494199 N/A

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
D21	ENE	< 1/8	0.002 mi. 8 ft.	3700 S CALIFORNIA AVE CHICAGO, IL	IL PERMITS	S117494044	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
A22	West	< 1/8	0.007 mi. 39 ft.	3700 S SACRAMENTO AVE CHICAGO, IL	IL COMPLAINTS	S117494062	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
D23	ENE	< 1/8	0.009 mi. 48 ft.	3705 S CALIFORNIA AVE CHICAGO, IL	IL CHICAGO INSPECT	S117494148	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
C24	ENE	< 1/8	0.009 mi. 49 ft.	REGENT GAS & OIL 3713 S CALIFORNIA AVE CHICAGO, IL	IL TANKS	S121850651	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
A25	West	< 1/8	0.009 mi. 49 ft.	3001 W 37TH PL CHICAGO, IL	IL COMPLAINTS	S116611712	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
C26	ENE	< 1/8	0.009 mi. 49 ft.	3717 S CALIFORNIA AVE CHICAGO, IL	IL CHICAGO INSPECT	S117494312	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
B27 SSW < 1/8 0.015 mi. 81 ft.	2856 W 38TH ST CHICAGO, IL	IL CHICAGO INSPECT	S117887835 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
C28 East < 1/8 0.018 mi. 94 ft.	3741 S CALIFORNIA AVE CHICAGO, IL	IL ASBESTOS IL CHICAGO INSPECT	S117494656 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
C29 East < 1/8 0.018 mi. 94 ft.	3735 S CALIFORNIA AVE CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S122871215 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
C30 SE < 1/8 0.019 mi. 101 ft.	MICHAEL MARDEN 2810 W 38TH ST CHICAGO, IL	IL TANKS	S121846653 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
C31 SE < 1/8 0.019 mi. 101 ft.	2810 W 38TH ST CHICAGO, IL	IL COMPLAINTS	S116611218 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
B32 SW < 1/8 0.021 mi. 110 ft.	2916 W 38TH ST CHICAGO, IL	IL CHICAGO INSPECT	S116611498 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
B33	WSW	< 1/8	0.021 mi. 110 ft.	2926 W 38TH ST CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S116611531	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
B34	SW	< 1/8	0.021 mi. 110 ft.	2910 W 38TH ST CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S116611478	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
B35	SW	< 1/8	0.021 mi. 111 ft.	2912 W 38TH ST CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S116611486	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
E36	WSW	< 1/8	0.021 mi. 111 ft.	2936 W 38TH ST CHICAGO, IL	IL COMPLAINTS IL ASBESTOS IL CHICAGO INSPECT	S116611557	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
B37	SSW	< 1/8	0.021 mi. 111 ft.	2900 W 38TH ST CHICAGO, IL	IL ASBESTOS	S116611432	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							
A38	WSW	< 1/8	0.021 mi. 112 ft.	2956 W 38TH ST CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S116611622	N/A
				<a href="#">Click here for full text details</a>			
Relative: Lower							



MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A39 WSW < 1/8 0.023 mi. 123 ft. Relative: Lower	3742 S SACRAMENTO AVE CHICAGO, IL  <a href="#">Click here for full text details</a>	IL COMPLAINTS	S117494673 N/A
C40 ESE < 1/8 0.025 mi. 132 ft. Relative: Lower	3801 S CALIFORNIA AVE CHICAGO, IL  <a href="#">Click here for full text details</a>	IL COMPLAINTS	S117495014 N/A
C41 ESE < 1/8 0.029 mi. 153 ft. Relative: Lower	3759 S CALIFORNIA AVE CHICAGO, IL  <a href="#">Click here for full text details</a>	IL COMPLAINTS IL CHICAGO INSPECT	S117494894 N/A
A42 WSW < 1/8 0.031 mi. 166 ft. Relative: Lower	3000 W 38TH ST 3000 W 38TH ST CHICAGO, IL  <a href="#">Click here for full text details</a> HMIRS System ID: 415368	HMIRS	2007439643 N/A
F43 SE < 1/8 0.033 mi. 172 ft. Relative: Lower	2813 W 38TH ST CHICAGO, IL  <a href="#">Click here for full text details</a>	IL COMPLAINTS IL CHICAGO INSPECT	S116611226 N/A
E44 SW < 1/8 0.043 mi. 226 ft. Relative: Lower	CENTRAL PATTERN & FROUNDRY 2931 W 38TH ST CHICAGO, IL  <a href="#">Click here for full text details</a>	IL TANKS	S121847061 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F45 SE < 1/8 0.043 mi. 226 ft.	RAYMOND ZEBEAU 2801 W 38TH ST CHICAGO, IL	IL TANKS	S121846590 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
F46 SE < 1/8 0.043 mi. 226 ft.	2801 W 38TH ST CHICAGO, IL	IL COMPLAINTS	S116611194 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
47 SSE < 1/8 0.043 mi. 227 ft.	2839 2841 W 38TH ST CHICAGO, IL	IL ASBESTOS	S130319368 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
F48 SE < 1/8 0.043 mi. 227 ft.	BUND ROSE MRS 2807 W 38TH CHICAGO, IL	EDR Hist Cleaner	1009205144 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
49 WSW < 1/8 0.045 mi. 238 ft.	3800 S SACRAMENTO AVE CHICAGO, IL	IL COMPLAINTS IL CHICAGO INSPECT	S117888546 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
E50 SW < 1/8 0.046 mi. 241 ft.	2917 W 38TH ST CHICAGO, IL	IL CHICAGO INSPECT	S116611501 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

E51 CARSTAR IL COMPLAINTS S113272972  
 SW 2929 W 38TH ST IL BOL N/A  
 < 1/8 CHICAGO, IL 60632 IL CHICAGO INSPECT  
 0.046 mi. IL PERMITS  
 242 ft.

Relative:  
 Lower [Click here for full text details](#)  
 IL BOL  
 Site Id 170000324156  
 Inv Num 0316585130

E52 CAL S COLLISION CENTER INC EDR Hist Auto 1009073511  
 SW 2929 W 38TH ST N/A  
 < 1/8 CHICAGO, IL

Relative:  
 Lower [Click here for full text details](#)

E53 COLLISION REVISION CHICAGO 38TH FINDS 1024082063  
 SW 2929 W 38TH ST ECHO N/A  
 < 1/8 CHICAGO, IL 60632

Relative:  
 Lower [Click here for full text details](#)  
 FINDS  
 Registry ID: 110070160820  
 ECHO  
 Registry ID 110070160820

E54 CARSTAR CHICAGO 38TH ST RCRA-VSQG 1004695674  
 SW 2929 W 38TH ST FINDS ILR000023309  
 < 1/8 CHICAGO, IL 60632 ECHO  
 0.046 mi. WI MANIFEST  
 242 ft.

Relative:  
 Lower [Click here for full text details](#)  
 RCRA-VSQG  
 EPA Id ILR000023309  
 FINDS  
 Registry ID: 110005945433  
 ECHO  
 Registry ID 110005945433  
 WI MANIFEST  
 ACT Status A  
 FID 0  
 EPA ID ILR000023309

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
E55 WSW < 1/8 0.046 mi. 243 ft. Relative: Lower	2951 W 38TH ST CHICAGO, IL  <a href="#">Click here for full text details</a>	IL ASBESTOS	S122870958 N/A
56 ESE < 1/8 0.046 mi. 244 ft. Relative: Lower	2742 W 38TH ST CHICAGO, IL  <a href="#">Click here for full text details</a>	IL ASBESTOS IL CHICAGO INSPECT	S124506549 N/A
57 West 1/8-1/4 0.130 mi. 687 ft. Relative: Lower	STRATEGIC MATERIALS INC CHICAGO, IL  <a href="#">Click here for full text details</a>	PFAS ECHO	1027423865 N/A
58 NW 1/8-1/4 0.177 mi. 934 ft. Relative: Lower	NYCO PRODUCTS CO CHICAGO, IL  <a href="#">Click here for full text details</a>	PFAS ECHO	1027398620 N/A
G59 WNW 1/8-1/4 0.201 mi. 1062 ft. Relative: Lower	D&S METAL POLISHING CHICAGO, IL  <a href="#">Click here for full text details</a>	PFAS ECHO	1027348776 N/A
G60 WNW 1/8-1/4 0.242 mi. 1280 ft. Relative: Lower	ZARCO INDUSTRIES INC CHICAGO, IL  <a href="#">Click here for full text details</a>	PFAS ECHO	1027442636 N/A

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
IL	AIRS	Air Inventory Listing	Illinois EPA	07/05/2023	07/06/2023	09/20/2023
IL	ASBESTOS	Asbestos Notification Tracker Information	Illinois EPA	06/16/2023	07/05/2023	09/20/2023
IL	AST	Above Ground Storage Tanks	State Fire Marshal	05/01/2023	05/16/2023	08/08/2023
IL	BOL	Bureau of Land Inventory Database	Illinois Environmental Protection Agency	12/02/2021	12/14/2021	03/01/2022
IL	BROWNFIELDS	Redevelopment Assessment Database	Illinois Environmental Protection Agency	07/17/2023	07/18/2023	10/03/2023
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	Illinois Environmental Protection Agency	02/11/2010	07/31/2014	09/08/2014
IL	CCDD	Clean Construction or Demolition Debris	Illinois EPA	09/11/2020	10/28/2020	12/09/2020
IL	CDL	Meth Drug Lab Site Listing	Department of Public Health	07/01/2023	07/05/2023	09/20/2023
IL	COAL ASH	Coal Ash Site Listing	Illinois EPA	10/01/2011	03/09/2012	04/10/2012
IL	DRYCLEANERS	Illinois Licensed Drycleaners	Drycleaner Environmental Response Trust Fund	05/02/2023	05/09/2023	08/02/2023
IL	ENG CONTROLS	Sites with Engineering Controls	Illinois Environmental Protection Agency	06/26/2023	06/26/2023	09/13/2023
IL	Financial Assurance	Financial Assurance Information Listing	Illinois Environmental Protection Agency	08/22/2023	08/24/2023	09/20/2023
IL	HWAR	Hazard Waste Annual Report	Illinois EPA	12/31/2019	05/11/2021	08/02/2021
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	Illinois Emergency Management Agency	07/24/2023	07/25/2023	10/13/2023
IL	IL NIPC	Solid Waste Landfill Inventory	Northeastern Illinois Planning Commission	08/01/1988	04/07/2022	07/01/2022
IL	IMPDMENT	Surface Impoundment Inventory	Illinois Waste Management & Research Center	12/31/1980	03/08/2002	06/03/2002
IL	Inst Control	Institutional Controls	Illinois Environmental Protection Agency	06/26/2023	06/26/2023	09/13/2023
IL	LF SPECIAL WASTE	Special Waste Site List	Illinois EPA	01/01/1990	06/17/2009	07/15/2009
IL	LF WMRC	Waste Management & Research Center Landfill Database	Department of Natural Resources	12/31/2001	10/06/2006	11/06/2006
IL	LUST	Leaking Underground Storage Tank Sites	Illinois Environmental Protection Agency	07/17/2023	07/18/2023	10/03/2023
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	Illinois EPA	06/06/2016	07/27/2016	10/18/2016
IL	NPDES	A Listing of Active Permits	Illinois EPA	04/16/2014	04/18/2014	05/20/2014
IL	PFAS	PFAS Sampling Listing	Illinois Environmental Protection Agency	06/28/2023	07/07/2023	07/20/2023
IL	PIMW	Potentially Infectious Medical Waste	Illinois EPA	06/08/2023	06/14/2023	09/01/2023
IL	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	12/30/2013
IL	RGA LF	Recovered Government Archive Solid Waste Facilities List	Illinois Environmental Protection Agency		07/01/2013	01/10/2014
IL	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Illinois Environmental Protection Agency		07/01/2013	12/30/2013
IL	SPILLS	State spills	Illinois EPA	07/06/2023	07/07/2023	09/20/2023
IL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	07/18/2012	01/03/2013	03/15/2013
IL	SRP	Site Remediation Program Database	Illinois Environmental Protection Agency	06/26/2023	06/26/2023	09/13/2023
IL	SSU	State Sites Unit Listing	Illinois Environmental Protection Agency	03/23/2022	03/23/2022	06/17/2022
IL	SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste	Illinois Environmental Protection Agency	12/31/2021	10/19/2022	01/05/2023
IL	TIER 2	Tier 2 Information Listing	Illinois Emergency Management Agency	12/31/2022	05/09/2023	08/02/2023
IL	UIC	Underground Injection Wells	Illinois EPA	08/30/2021	12/15/2021	03/01/2022
IL	UST	Underground Storage Tank Facility List	Illinois State Fire Marshal	07/17/2023	07/18/2023	10/03/2023
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/13/2023	06/14/2023	08/14/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	07/05/2023	07/06/2023	09/25/2023
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	07/16/2023	07/18/2023	08/28/2023
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2021	04/14/2023	07/10/2023
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2023	07/19/2023	10/10/2023
US	CORRACTS	Corrective Action Report	EPA	07/24/2023	07/31/2023	08/14/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	09/19/2023	10/03/2023	10/19/2023
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/24/2023	06/29/2023	09/25/2023
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/12/2023	06/20/2023	08/14/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	06/23/2023	06/23/2023	09/20/2023
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/08/2023	03/09/2023	05/30/2023
US	FINDS	Facility Index System/Facility Registry System	EPA	05/04/2023	05/25/2023	07/24/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/07/2023	08/15/2023	10/10/2023
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/14/2023	08/15/2023	10/19/2023
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/19/2023	06/23/2023	09/20/2023
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/20/2023	05/09/2023	07/14/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2023	05/09/2023	07/14/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	04/20/2023	05/09/2023	07/14/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/14/2023	05/09/2023	07/14/2023
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/26/2023	05/09/2023	07/14/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/25/2023	05/09/2023	07/14/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/19/2023	05/09/2023	07/14/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/19/2023	05/09/2023	07/14/2023
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/20/2023	05/09/2023	07/14/2023
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2023	05/09/2023	07/14/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	04/20/2023	05/09/2023	07/14/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/14/2023	05/09/2023	07/14/2023
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/26/2023	05/09/2023	07/14/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/25/2023	05/09/2023	07/14/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2023	05/09/2023	07/14/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/19/2023	05/09/2023	07/14/2023
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisiting	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	09/19/2023	10/03/2023	10/19/2023
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	09/19/2023	10/03/2023	10/19/2023
US	LUCIS	Land Use Control Information System	Department of the Navy	08/03/2023	08/07/2023	10/10/2023
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	07/05/2023	07/05/2023	09/25/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	07/20/2023	09/01/2023	09/20/2023
US	NPL	National Priority List	EPA	09/19/2023	10/03/2023	10/19/2023
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/05/2023	07/05/2023	09/25/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/05/2023	07/05/2023	09/25/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	07/05/2023	07/05/2023	10/02/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	07/05/2023	07/05/2023	10/02/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	07/05/2023	07/05/2023	10/02/2023
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	07/05/2023	07/05/2023	09/25/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	07/05/2023	07/05/2023	10/02/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	07/05/2023	07/05/2023	10/02/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	07/05/2023	07/05/2023	10/02/2023
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	09/23/2023	10/03/2023	10/10/2023
US	PRP	Potentially Respons ble Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	09/19/2023	10/03/2023	10/19/2023
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	07/24/2023	07/31/2023	08/14/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	07/24/2023	07/31/2023	08/14/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	07/24/2023	07/31/2023	08/14/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	07/24/2023	07/31/2023	08/14/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	07/24/2023	07/31/2023	08/14/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	05/09/2023	06/29/2023	09/25/2023
US	ROD	Records Of Decision	EPA	09/19/2023	10/03/2023	10/19/2023
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	09/19/2023	10/03/2023	10/19/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	09/19/2023	10/03/2023	10/19/2023
US	SSTS	Section 7 Tracking Systems	EPA	07/17/2023	07/18/2023	10/10/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	02/16/2023	05/02/2023
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	04/06/2023	04/13/2023	04/19/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	05/22/2023	05/23/2023	07/10/2023
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/22/2023	05/23/2023	07/24/2023
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/19/2023	06/20/2023	08/14/2023
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	05/22/2023	05/23/2023	07/10/2023
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/22/2023	05/23/2023	07/24/2023
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/01/2023	05/24/2023	07/24/2023

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/16/2022	11/16/2022	02/06/2023
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
IL	Daycare Centers	Sensitive Receptor: Homes & Centers Listing	Department of Children & Family Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
IL	State Wetlands	Wetland Inventory	Illinois State Geological Survey			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

3710 S CALIFORNIA AVE 250 FEET SEARCH  
16745 CALIFORNIA AVE  
CHICAGO, IL 60632

### **TARGET PROPERTY COORDINATES**

Latitude (North):	41.8255 - 41° 49' 31.80"
Longitude (West):	87.696606 - 87° 41' 47.78"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	442149.7
UTM Y (Meters):	4630423.0
Elevation:	599 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	10735932 ENGLEWOOD, IL
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

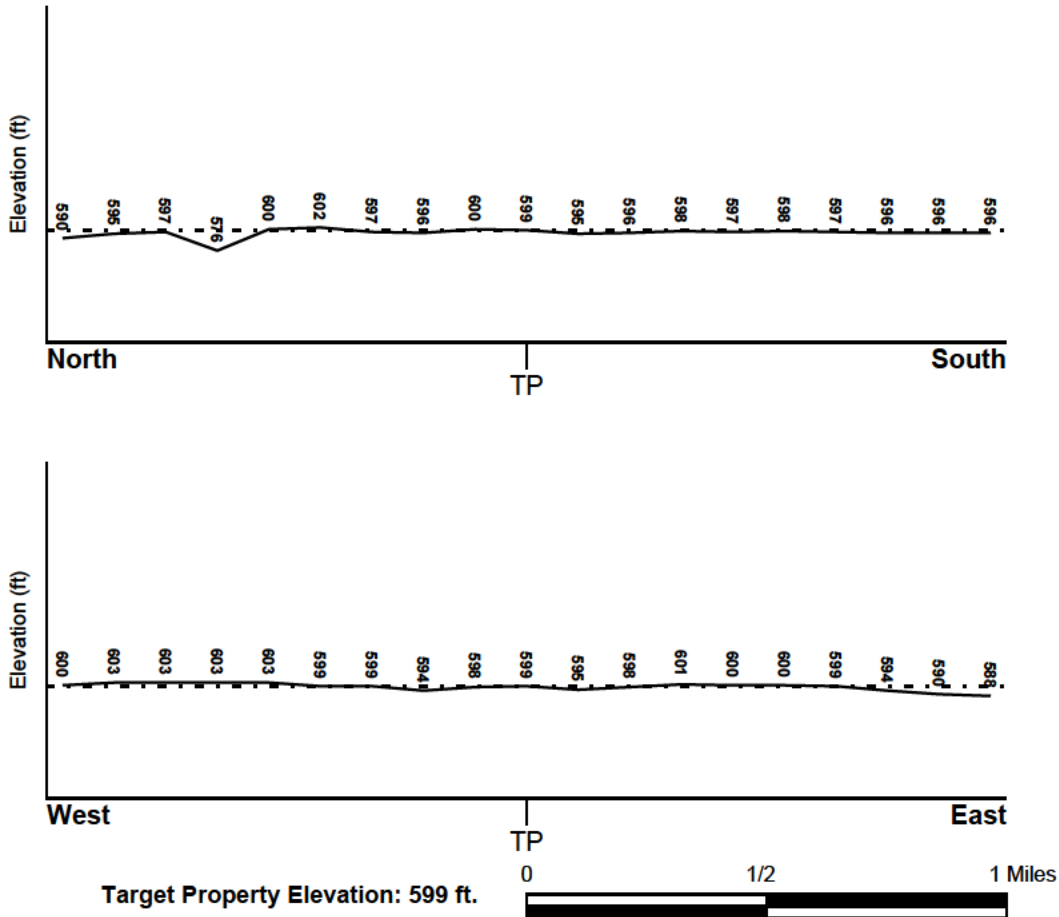
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
17031C0504J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
17031C0508J	FEMA FIRM Flood data
1700740085B	FEMA Q3 Flood data

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ENGLEWOOD	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile WNW	Not Reported
2	1/8 - 1/4 Mile NW	Not Reported
3	1/4 - 1/2 Mile ESE	Not Reported
4	1/2 - 1 Mile SE	W - E
5	1/2 - 1 Mile North	Not Reported
1G	1/2 - 1 Mile North	Not Reported
2G	1/8 - 1/4 Mile NW	Not Reported

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
3G	1/8 - 1/4 Mile WNW	Not Reported
4G	1/4 - 1/2 Mile ESE	Not Reported
5G	1/2 - 1 Mile SE	W - E

For additional site information, refer to Physical Setting Source Map Findings.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Paleozoic  
System: Silurian  
Series: Middle Silurian (Niagoaran)  
Code: S2 *(decoded above as Era, System & Series)*

### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	60 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

**OTHER SOIL TYPES IN AREA**

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
fine sandy loam  
loam  
fine sand

Surficial Soil Types: silt loam  
fine sandy loam  
loam  
fine sand

Shallow Soil Types: sandy loam

Deeper Soil Types: silt loam  
sand  
loamy sand  
loam

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	0.047
Federal FRDS PWS	Nearest PWS within 0.047 miles
State Database	0.047

**FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

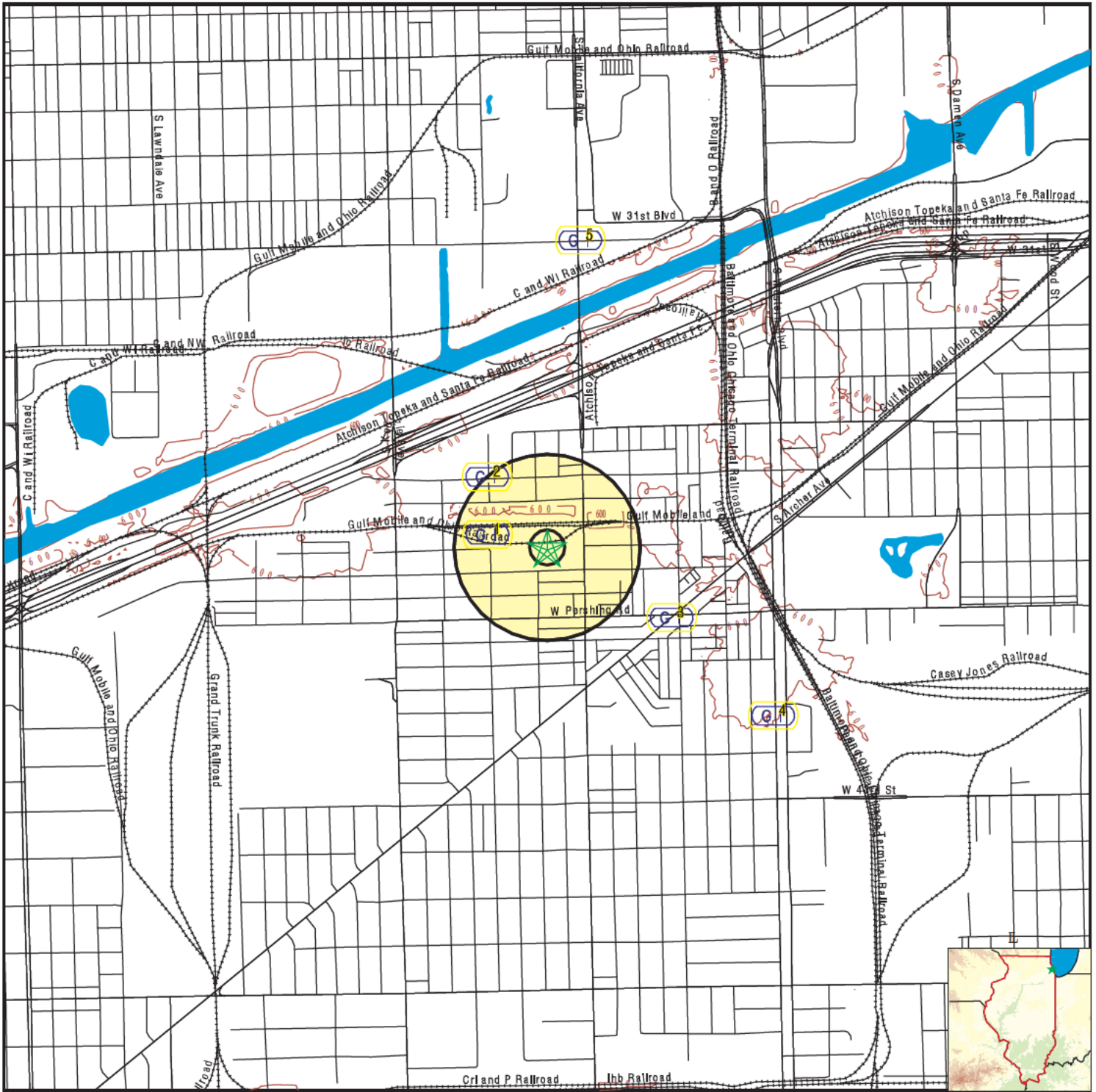
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

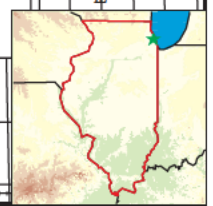
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 7475729.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



<p>SITE NAME: 3710 S California Ave 250 Feet Search                  ADDRESS: 16745 CALIFORNIA AVE                  Chicago IL 60632                  LAT/LONG: 41.8255 / 87.696606</p>	<p>CLIENT: City of Chicago 2FM                  CONTACT: Paul Waite                  INQUIRY #: 7475729.2s                  DATE: October 20, 2023 8:07 am</p>
---	--



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
1	WNW	1/8 - 1/4 Mile	Higher	AQUIFLOW	56572
<a href="#">Click here for full text details</a>					
2	NW	1/8 - 1/4 Mile	Lower	AQUIFLOW	24868
<a href="#">Click here for full text details</a>					
3	ESE	1/4 - 1/2 Mile	Higher	AQUIFLOW	62098
<a href="#">Click here for full text details</a>					
4	SE	1/2 - 1 Mile	Higher	AQUIFLOW	25620
<a href="#">Click here for full text details</a>					
5	North	1/2 - 1 Mile	Lower	AQUIFLOW	62322
<a href="#">Click here for full text details</a>					
1G	North	1/2 - 1 Mile	Lower	AQUIFLOW	62322
<a href="#">Click here for full text details</a>					
2G	NW	1/8 - 1/4 Mile	Lower	AQUIFLOW	24868
<a href="#">Click here for full text details</a>					
3G	WNW	1/8 - 1/4 Mile	Lower	AQUIFLOW	56572
<a href="#">Click here for full text details</a>					

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

4G

ESE

1/4 - 1/2 Mile

Lower

[Click here for full text details](#)

AQUIFLOW

62098

5G

SE

1/2 - 1 Mile

Lower

[Click here for full text details](#)

AQUIFLOW

25620

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for COOK County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for COOK COUNTY, IL

Number of sites tested: 82

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area - 1st Floor	1.273 pCi/L	96%	4%	0%
Living Area - 2nd Floor	0.900 pCi/L	100%	0%	0%
Basement	1.740 pCi/L	93%	7%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Illinois State Geological Survey

Telephone: 217-333-4747

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Be kman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## OTHER STATE DATABASE INFORMATION

### Oil and Gas Wells Listing

Source: Illinois State Geological Survey

Telephone: 217-333-5109

Oil and gas wells location points from the Illinois State Geological Survey database.

### Water Well Records

Source: Illinois Geological Survey

Telephone: 217-333-4747

### Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

### Water Well Location Information

Source: Illinois Environmental Protection Agency

Telephone: 217-782-0810

## RADON

### State Database: IL Radon

Source: Department of Nuclear Safety

Telephone: 217-785-9958

County Radon Results

### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

### STREET AND ADDRESS INFORMATION

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**3710 S California Ave 250 Feet Search**

16745 CALIFORNIA AVE

Chicago, IL 60632

Inquiry Number: 7475729.5

October 20, 2023

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

3710 S California Ave 250 Fee  
 16745 CALIFORNIA AVE  
 Chicago, IL 60632  
 EDR Inquiry # 7475729.5

**Client Name:**

City of Chicago 2FM  
 30 N. LaSalle St., Suite 300  
 Chicago, IL 60613  
 Contact: Paul Waite



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2019	1"=500'	Flight Year: 2019	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1994	1"=500'	Flight Date: March 25, 1994	NAPP
1988	1"=500'	Flight Date: April 12, 1988	NAPP
1984	1"=500'	Flight Date: April 01, 1984	NHAP
1978	1"=500'	Flight Date: October 30, 1978	USGS
1972	1"=500'	Flight Date: October 26, 1972	USGS
1962	1"=500'	Flight Date: April 20, 1962	USGS
1952	1"=500'	Flight Date: March 29, 1952	USGS
1938	1"=500'	Flight Date: November 29, 1938	ILGS

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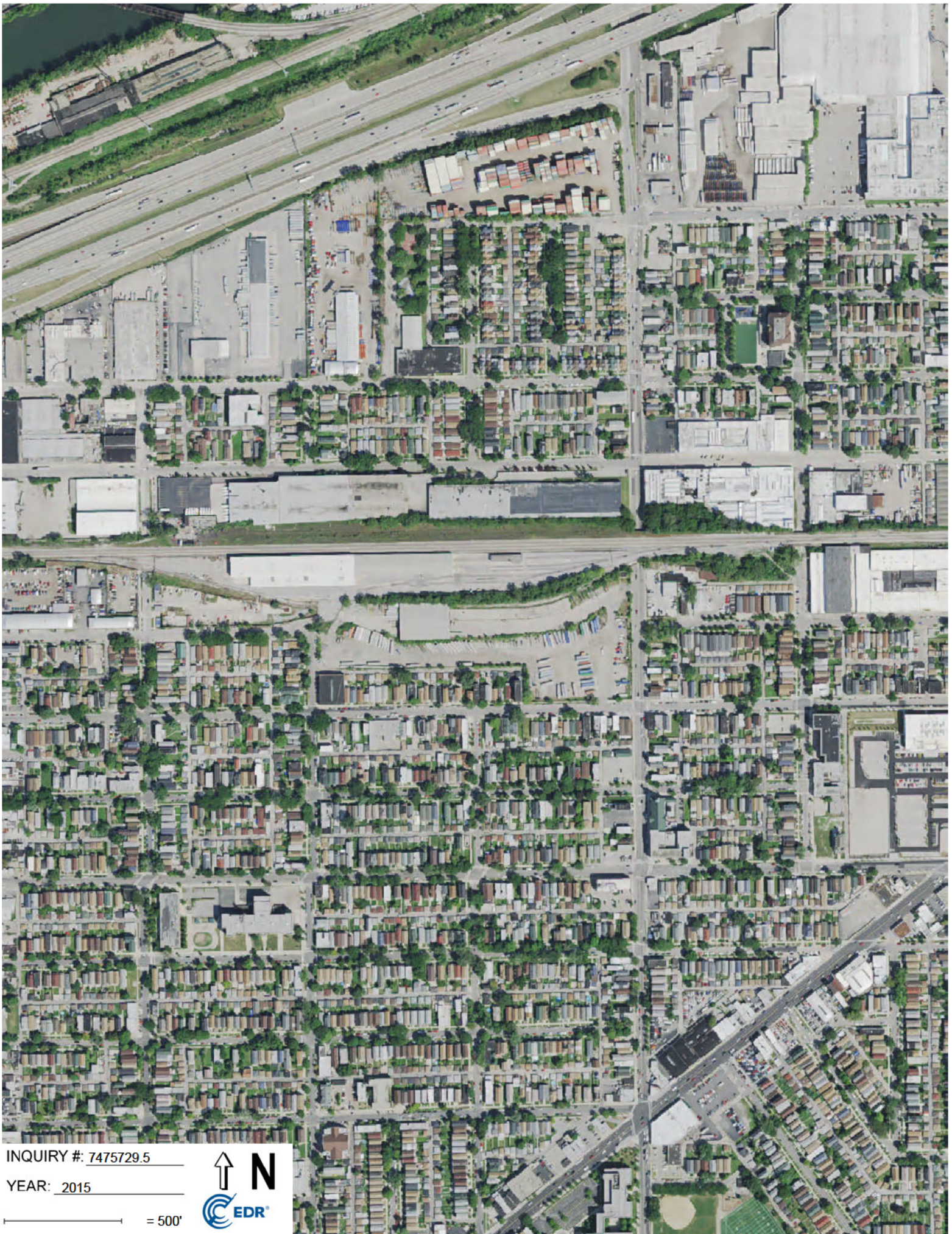


INQUIRY #: 7475729.5

YEAR: 2019

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INQUIRY #: 7475729.5

YEAR: 2015

— = 500'





INQUIRY #: 7475729.5

YEAR: 2012

— = 500'





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YEAR: 2009

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INQUIRY #: 7475729.5

YEAR: 1999

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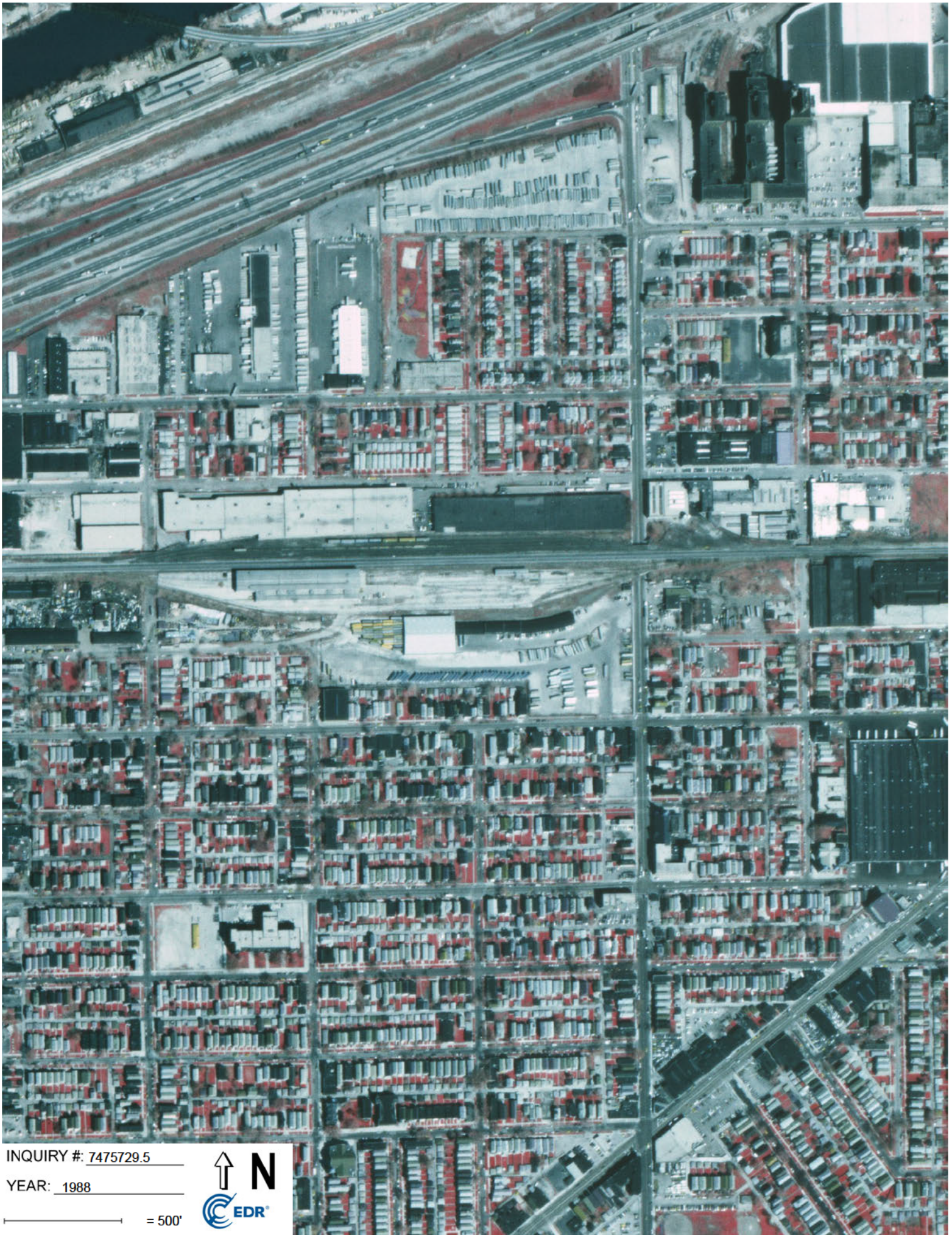


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YEAR: 1988

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YEAR: 1984

— = 500'







INQUIRY #: 7475729.5

YEAR: 1978

— = 500'





INQUIRY #: 7475729.5

YEAR: 1972

— = 500'





INQUIRY #: 7475729.5

YEAR: 1962

— 500'





INQUIRY #: 7475729.5

YEAR: 1952

— = 500'





INQUIRY #: 7475729.5

YEAR: 1938

— = 500'



3710 S California Ave 250 Feet Search

16745 CALIFORNIA AVE

Chicago, IL 60632

Inquiry Number: 7475729.3

October 23, 2023

## Certified Sanborn® Map Report



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Shelton, CT 06484  
Toll Free: 800.352.0050  
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# Certified Sanborn® Map Report

10/23/23

**Site Name:**

3710 S California Ave 250 Fee  
16745 CALIFORNIA AVE  
Chicago, IL 60632  
EDR Inquiry # 7475729.3

**Client Name:**

City of Chicago 2FM  
30 N. LaSalle St., Suite 300  
Chicago, IL 60613  
Contact: Paul Waite



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by City of Chicago 2FM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** AE44-497E-A994  
**PO #** NA  
**Project** NA

**Maps Provided:**

2004	1896
1993	
1991	
1987	
1975	
1951	
1919	
1910	



Sanborn® Library search results  
Certification #: AE44-497E-A994

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 2004 Source Sheets



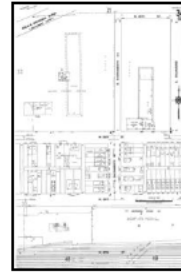
Volume 22, Sheet 50  
2004



Volume 22, Sheet 49  
2004



Volume 22, Sheet 35  
2004

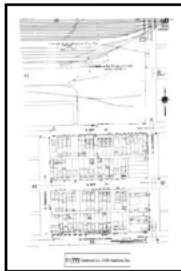


Volume 22, Sheet 34  
2004

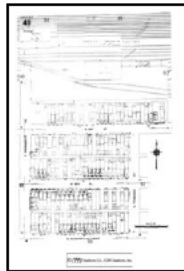


Volume 22, Sheet 36  
2004

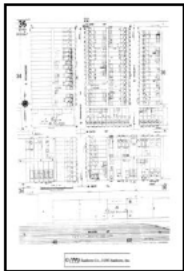
### 1993 Source Sheets



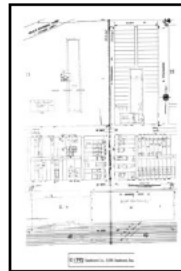
Volume 22, Sheet 50  
1993



Volume 22, Sheet 49  
1993



Volume 22, Sheet 35  
1993



Volume 22, Sheet 34  
1993



Volume 22, Sheet 36  
1993

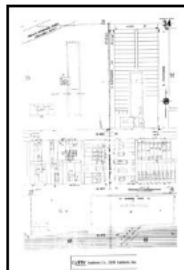


Volume 22, Sheet 48  
1993

### 1991 Source Sheets



Volume 22, Sheet 36  
1991



Volume 22, Sheet 34  
1991



Volume 22, Sheet 35  
1991



Volume 22, Sheet 50  
1991



Volume 22, Sheet 49  
1991

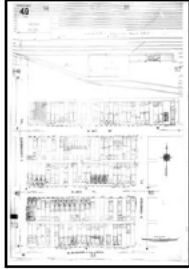


## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



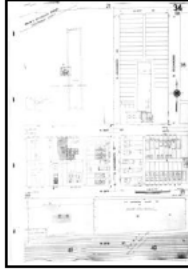
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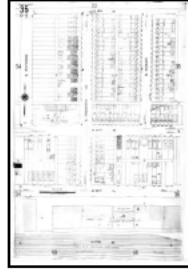
Volume 22, Sheet 49  
1987



Volume 22, Sheet 50  
1987



Volume 22, Sheet 34  
1987



Volume 22, Sheet 35  
1987

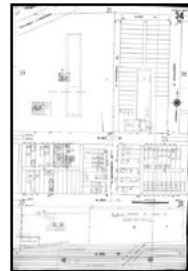
### 1975 Source Sheets



Volume 22, Sheet 36  
1975



Volume 22, Sheet 48  
1975



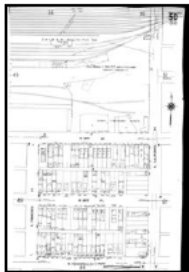
Volume 22, Sheet 34  
1975



Volume 22, Sheet 35  
1975



Volume 22, Sheet 49  
1975

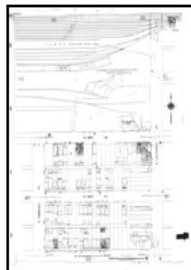


Volume 22, Sheet 50  
1975

### 1951 Source Sheets



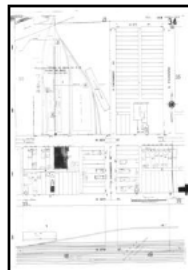
Volume 22, Sheet 49  
1951



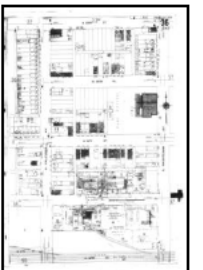
Volume 22, Sheet 50  
1951



Volume 22, Sheet 35  
1951



Volume 22, Sheet 34  
1951



Volume 22, Sheet 36  
1951

## Sanborn Sheet Key

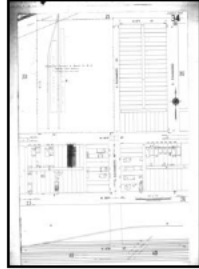
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



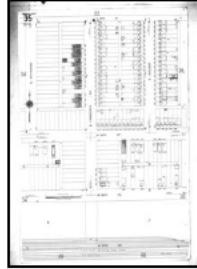
### 1919 Source Sheets



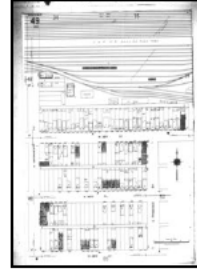
Volume 22, Sheet 36  
1919



Volume 22, Sheet 34  
1919



Volume 22, Sheet 35  
1919

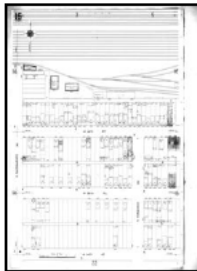


Volume 22, Sheet 49  
1919

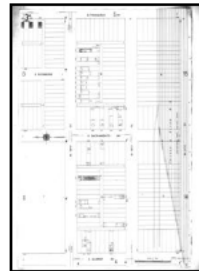


Volume 22, Sheet 50  
1919

### 1910 Source Sheets



Volume D, Sheet 15  
1910



Volume D, Sheet 3  
1910

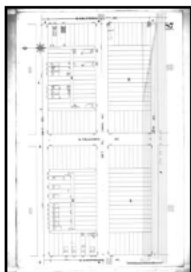


Volume D, Sheet 5  
1910

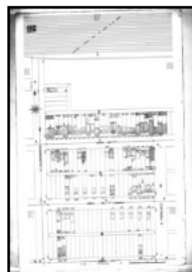


Volume D, Sheet 16  
1910

### 1896 Source Sheets



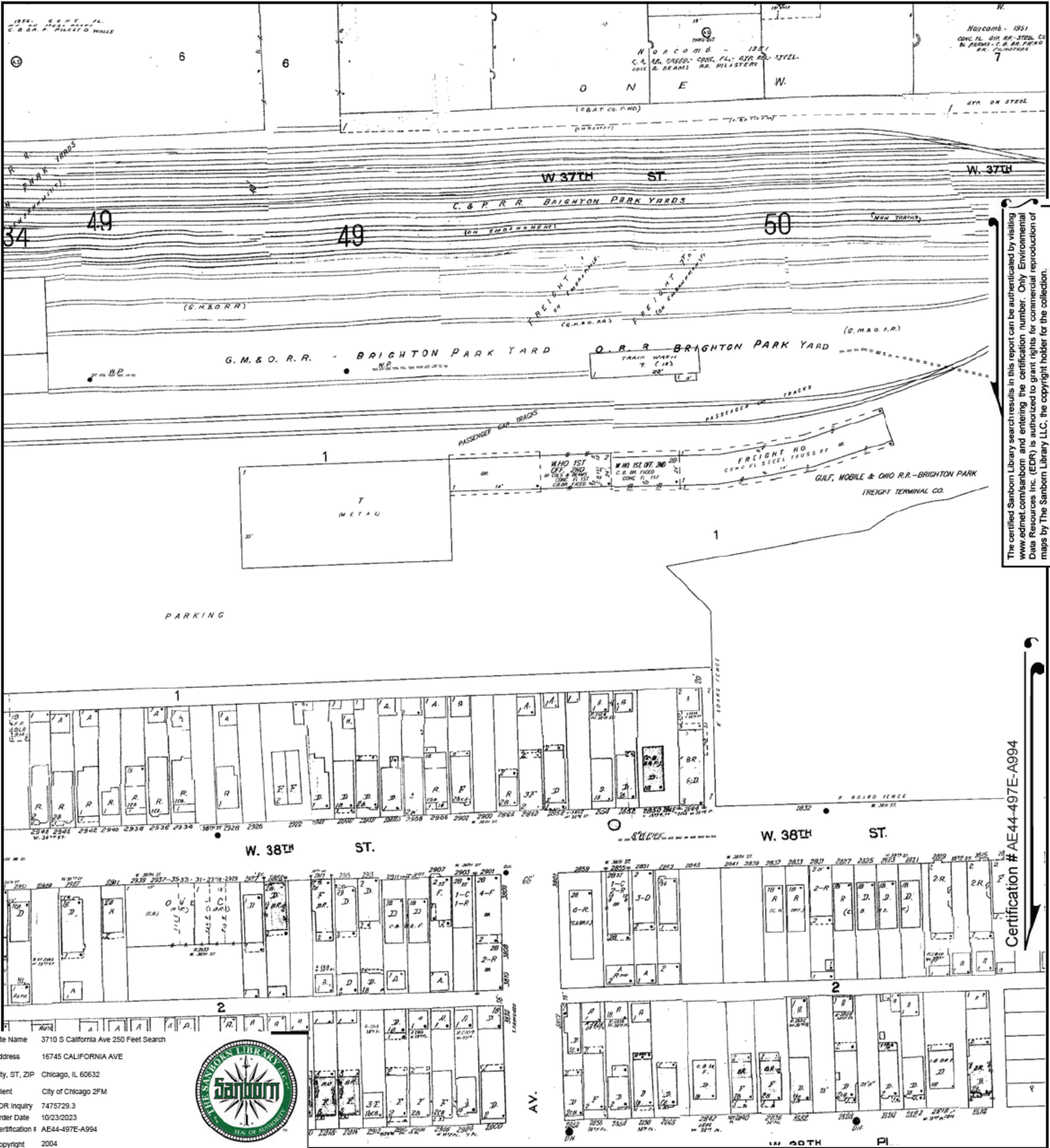
Volume B, Sheet 87  
1896



Volume B, Sheet 92  
1896



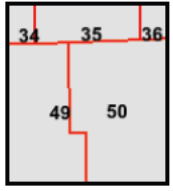
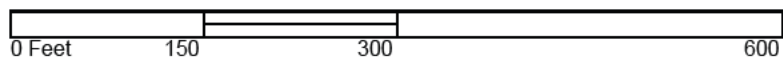
Volume B, Sheet 93  
1896



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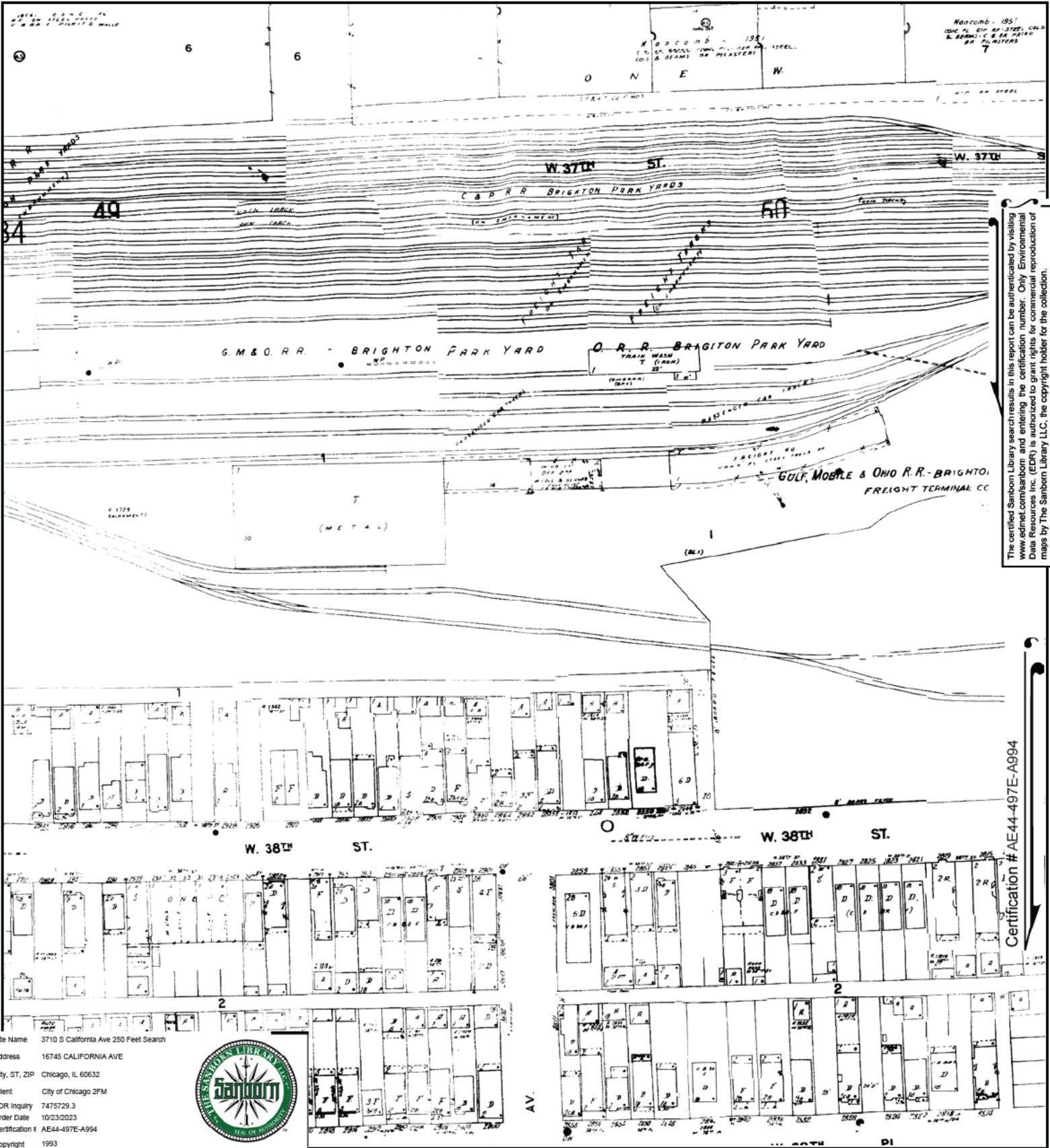
Certification # AE44-497E-A994

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 36
- Volume 22, Sheet 34
- Volume 22, Sheet 35
- Volume 22, Sheet 49
- Volume 22, Sheet 50

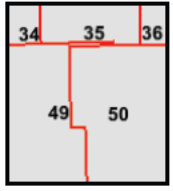
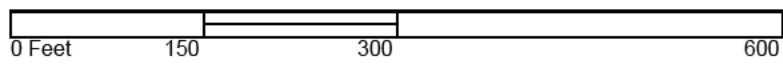




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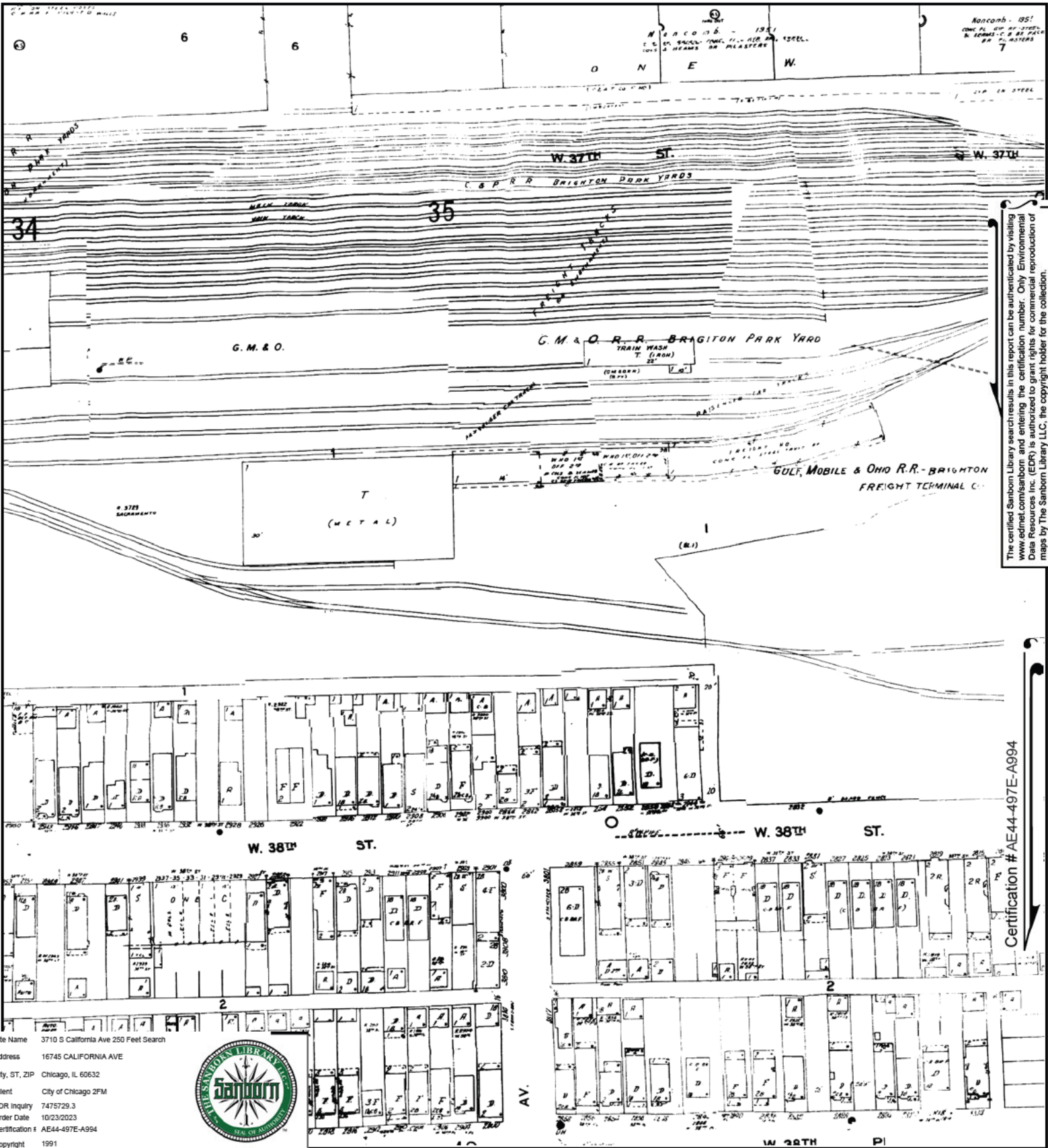
Certification # AE44-497E-A994

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 48
- Volume 22, Sheet 36
- Volume 22, Sheet 34
- Volume 22, Sheet 35
- Volume 22, Sheet 49
- Volume 22, Sheet 50

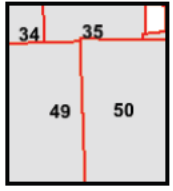
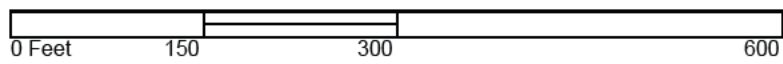




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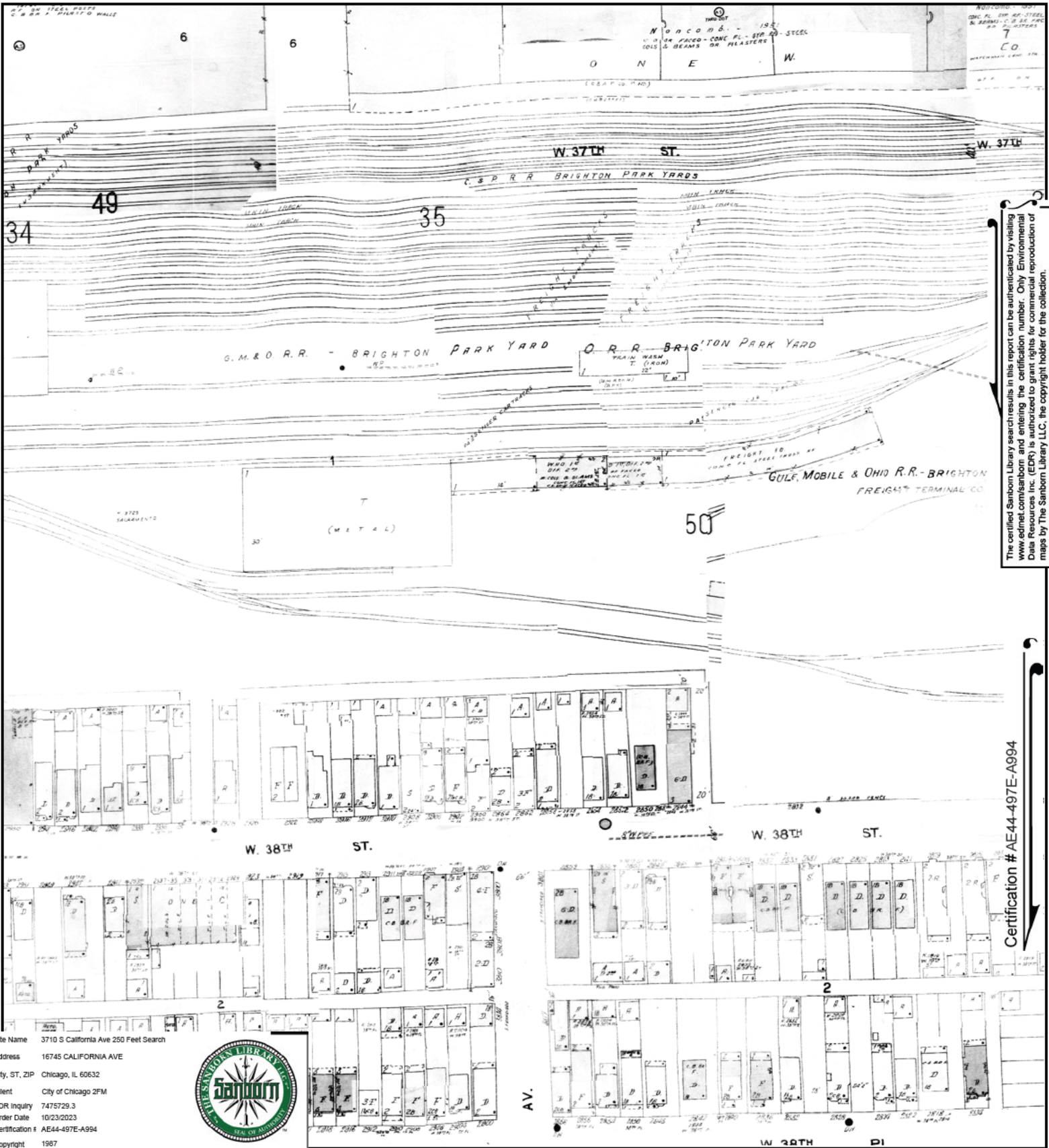
Certification # AE44-497E-A994

This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 49
- Volume 22, Sheet 50
- Volume 22, Sheet 35
- Volume 22, Sheet 34
- Volume 22, Sheet 36

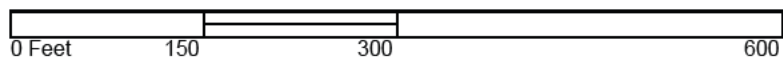




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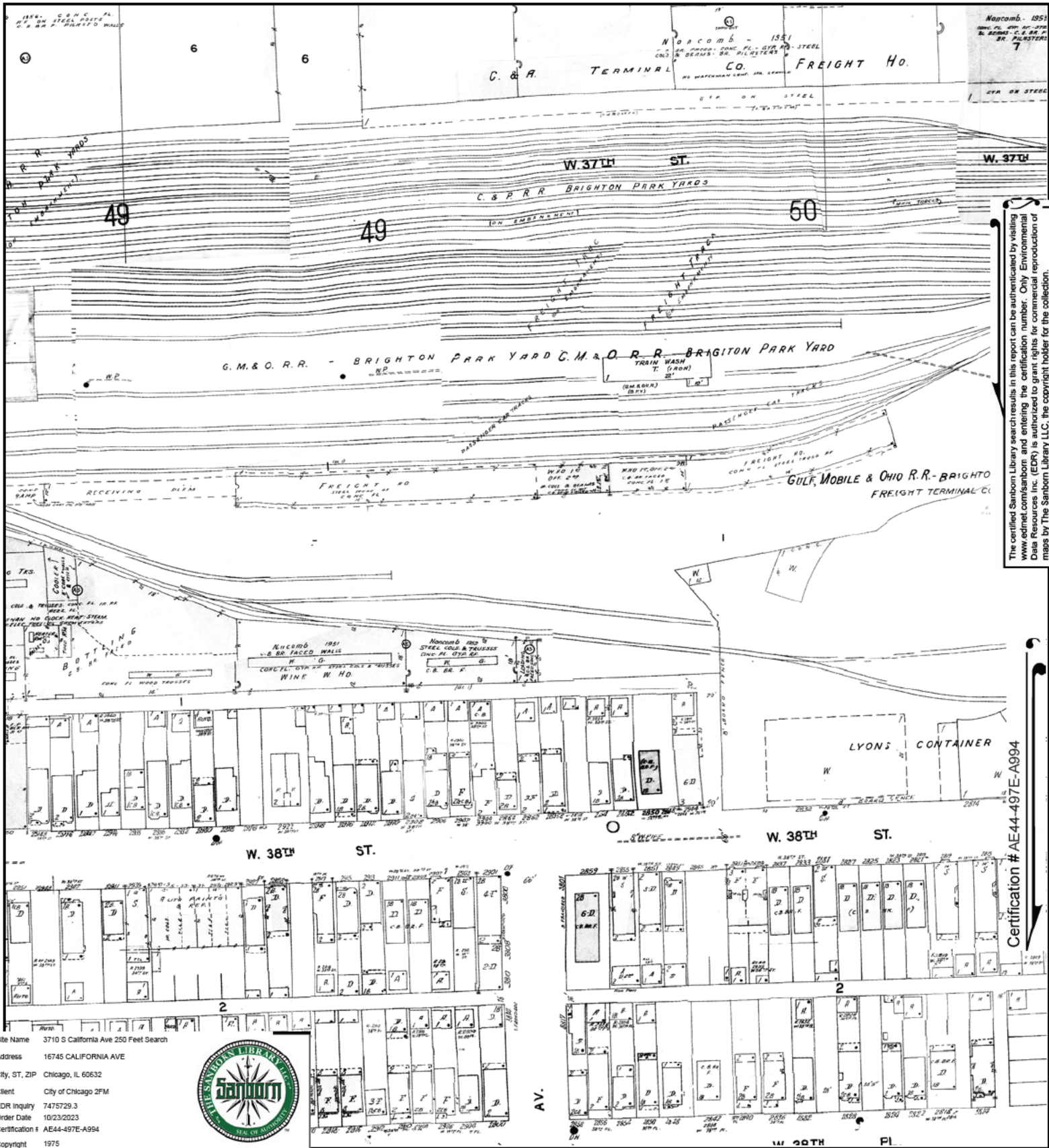
Certification # AE44-497E-A994

This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 35
- Volume 22, Sheet 34
- Volume 22, Sheet 50
- Volume 22, Sheet 49





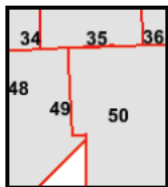
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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Site Name 3710 S California Ave 250 Feet Search  
 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1975

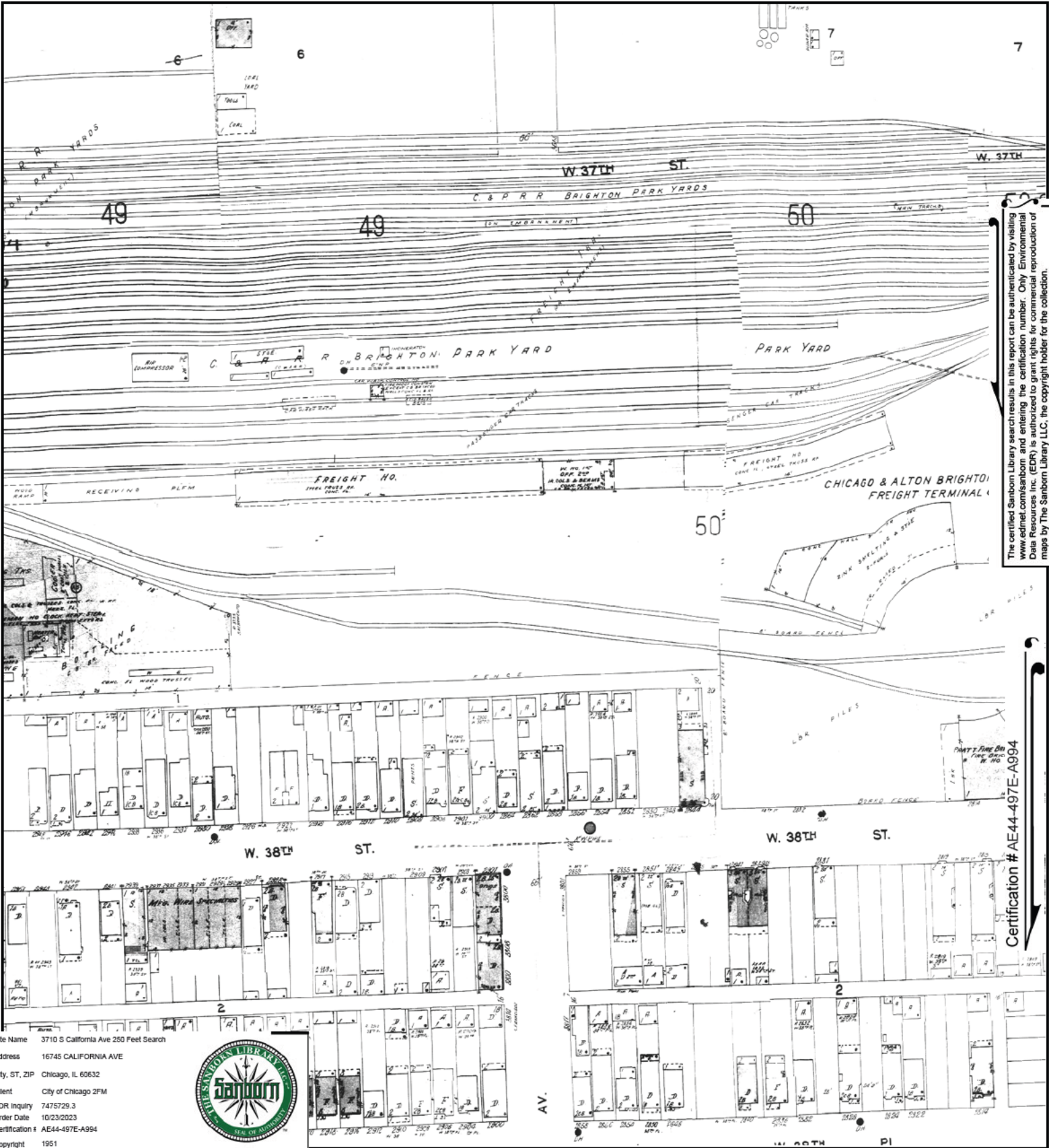


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 50
- Volume 22, Sheet 49
- Volume 22, Sheet 35
- Volume 22, Sheet 34
- Volume 22, Sheet 48
- Volume 22, Sheet 36





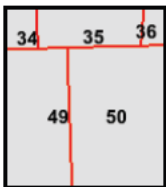
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 Certification # AE44-497E-A994  
 Copyright 1951



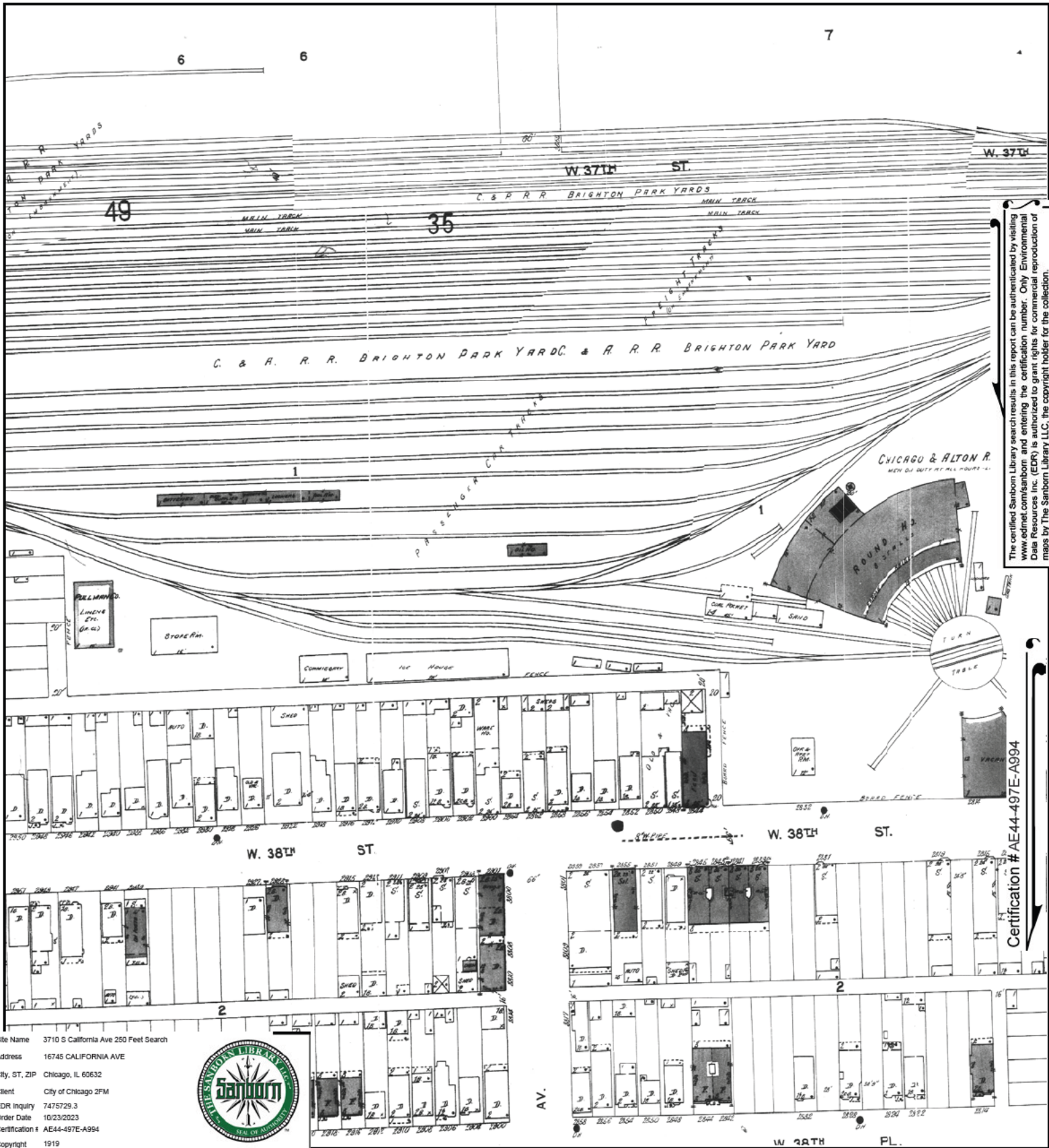
This Certified Sanborn Map combines the following sheets.  
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- Volume 22, Sheet 36
- Volume 22, Sheet 34
- Volume 22, Sheet 35
- Volume 22, Sheet 50
- Volume 22, Sheet 49







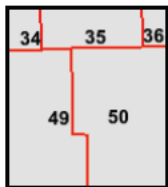
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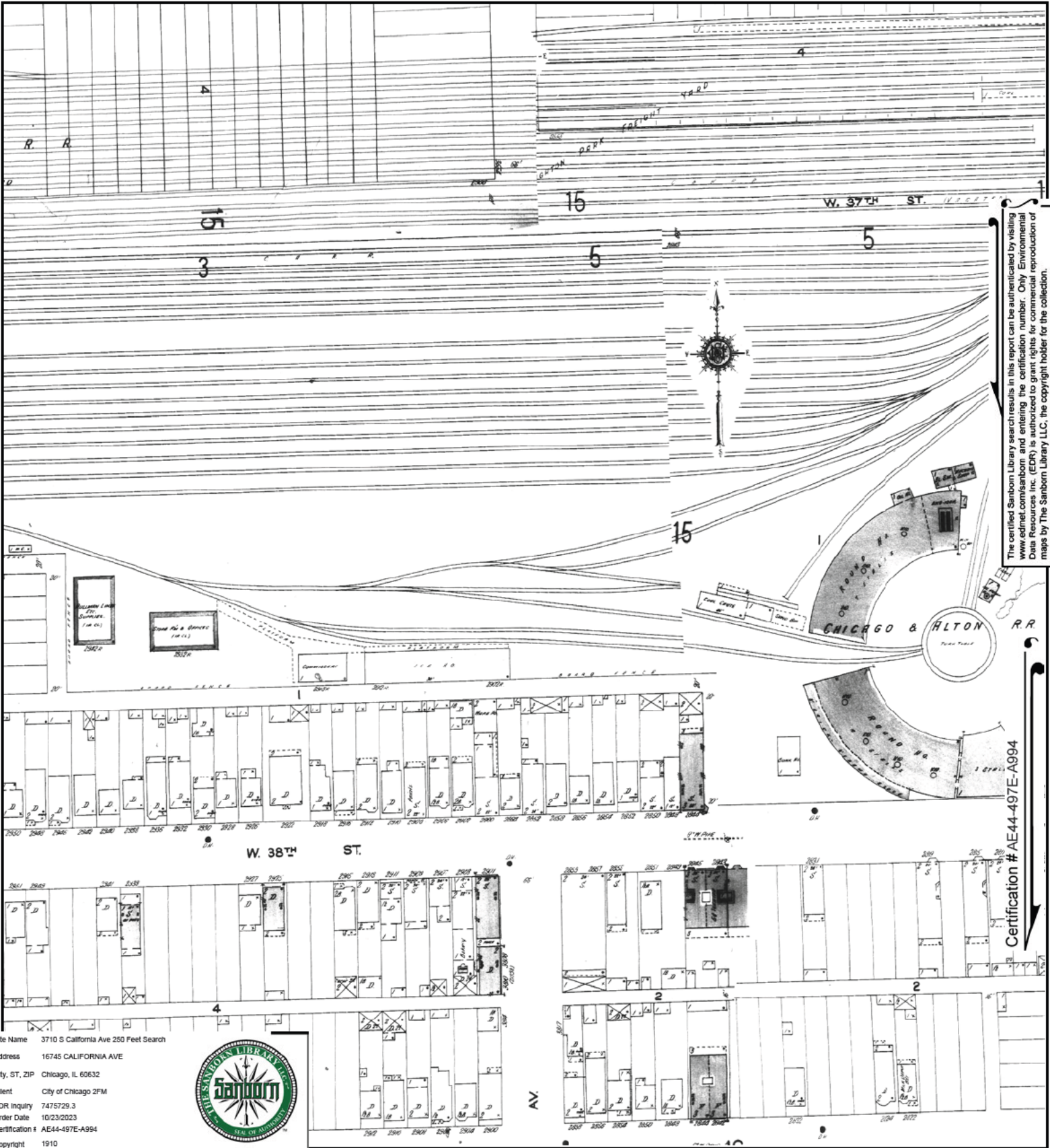
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 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1919



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Volume 22, Sheet 50  
 Volume 22, Sheet 49  
 Volume 22, Sheet 35  
 Volume 22, Sheet 34  
 Volume 22, Sheet 36



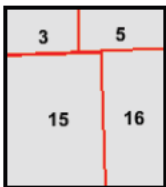
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Site Name 3710 S California Ave 250 Feet Search  
 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1910



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Volume D, Sheet 16  
 Volume D, Sheet 5  
 Volume D, Sheet 3  
 Volume D, Sheet 15





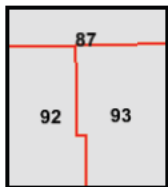
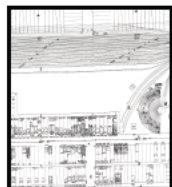
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 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1896



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Volume B, Sheet 93  
 Volume B, Sheet 92  
 Volume B, Sheet 87



3710 S California Ave 250 Feet Search

16745 CALIFORNIA AVE

Chicago, IL 60632

Inquiry Number: 7475729.3

October 23, 2023

## Certified Sanborn® Map Report



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Shelton, CT 06484  
Toll Free: 800.352.0050  
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# Certified Sanborn® Map Report

10/23/23

**Site Name:**

3710 S California Ave 250 Fee  
16745 CALIFORNIA AVE  
Chicago, IL 60632  
EDR Inquiry # 7475729.3

**Client Name:**

City of Chicago 2FM  
30 N. LaSalle St., Suite 300  
Chicago, IL 60613  
Contact: Paul Waite



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by City of Chicago 2FM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

### Certified Sanborn Results:

**Certification #** AE44-497E-A994  
**PO #** NA  
**Project** NA

**Maps Provided:**

2004	1896
1993	
1991	
1987	
1975	
1951	
1919	
1910	



Sanborn® Library search results  
Certification #: AE44-497E-A994

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 2004 Source Sheets



Volume 22, Sheet 49  
2004



Volume 22, Sheet 50  
2004



Volume 22, Sheet 35  
2004



Volume 22, Sheet 34  
2004



Volume 22, Sheet 36  
2004

### 1993 Source Sheets



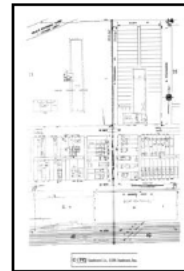
Volume 22, Sheet 49  
1993



Volume 22, Sheet 50  
1993



Volume 22, Sheet 35  
1993



Volume 22, Sheet 34  
1993



Volume 22, Sheet 36  
1993

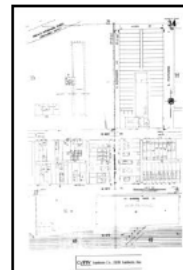


Volume 22, Sheet 48  
1993

### 1991 Source Sheets



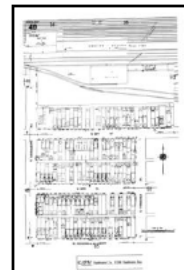
Volume 22, Sheet 36  
1991



Volume 22, Sheet 34  
1991



Volume 22, Sheet 35  
1991



Volume 22, Sheet 49  
1991



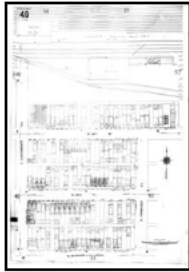
Volume 22, Sheet 50  
1991

## Sanborn Sheet Key

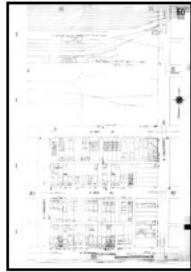
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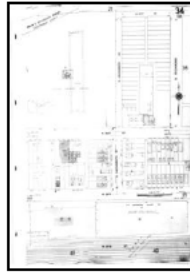
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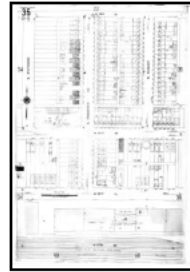
Volume 22, Sheet 49  
1987



Volume 22, Sheet 50  
1987

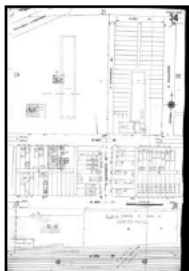


Volume 22, Sheet 34  
1987



Volume 22, Sheet 35  
1987

### 1975 Source Sheets



Volume 22, Sheet 34  
1975



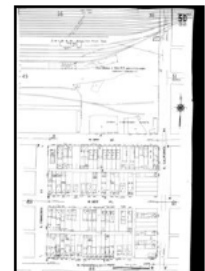
Volume 22, Sheet 36  
1975



Volume 22, Sheet 48  
1975



Volume 22, Sheet 49  
1975



Volume 22, Sheet 50  
1975



Volume 22, Sheet 35  
1975

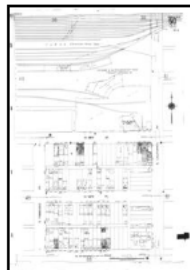
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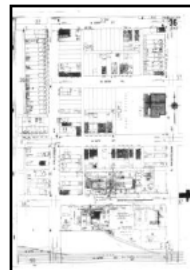
Volume 22, Sheet 35  
1951



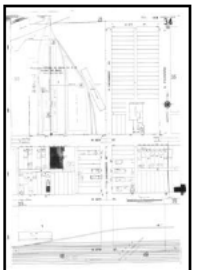
Volume 22, Sheet 49  
1951



Volume 22, Sheet 50  
1951



Volume 22, Sheet 36  
1951



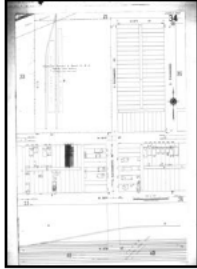
Volume 22, Sheet 34  
1951

## Sanborn Sheet Key

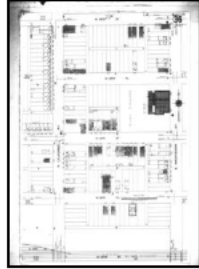
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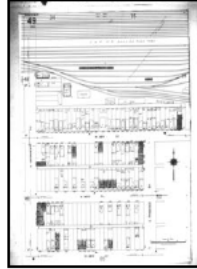
### 1919 Source Sheets



Volume 22, Sheet 34  
1919



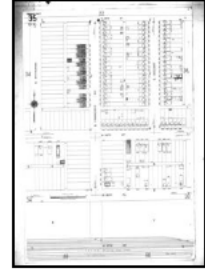
Volume 22, Sheet 36  
1919



Volume 22, Sheet 49  
1919

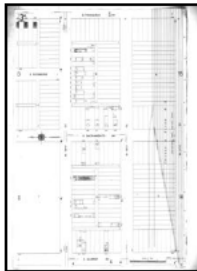


Volume 22, Sheet 50  
1919



Volume 22, Sheet 35  
1919

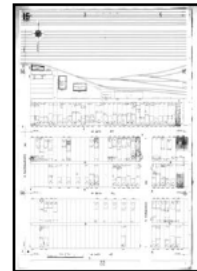
### 1910 Source Sheets



Volume D, Sheet 3  
1910



Volume D, Sheet 5  
1910

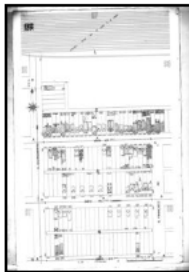


Volume D, Sheet 15  
1910



Volume D, Sheet 16  
1910

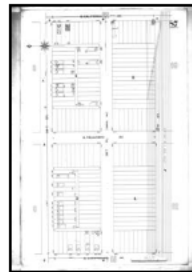
### 1896 Source Sheets



Volume B, Sheet 92  
1896

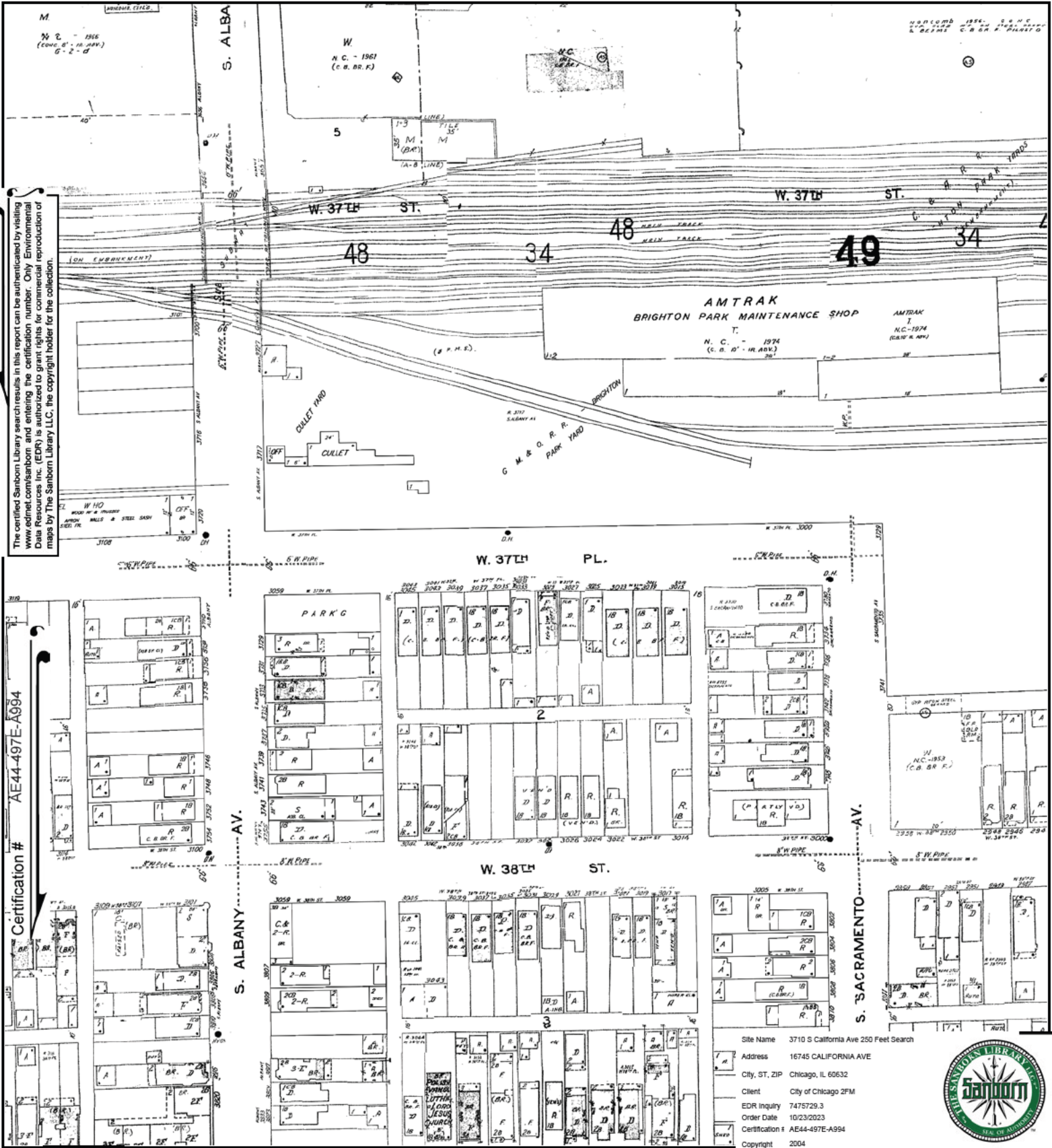


Volume B, Sheet 93  
1896

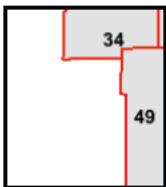


Volume B, Sheet 87  
1896



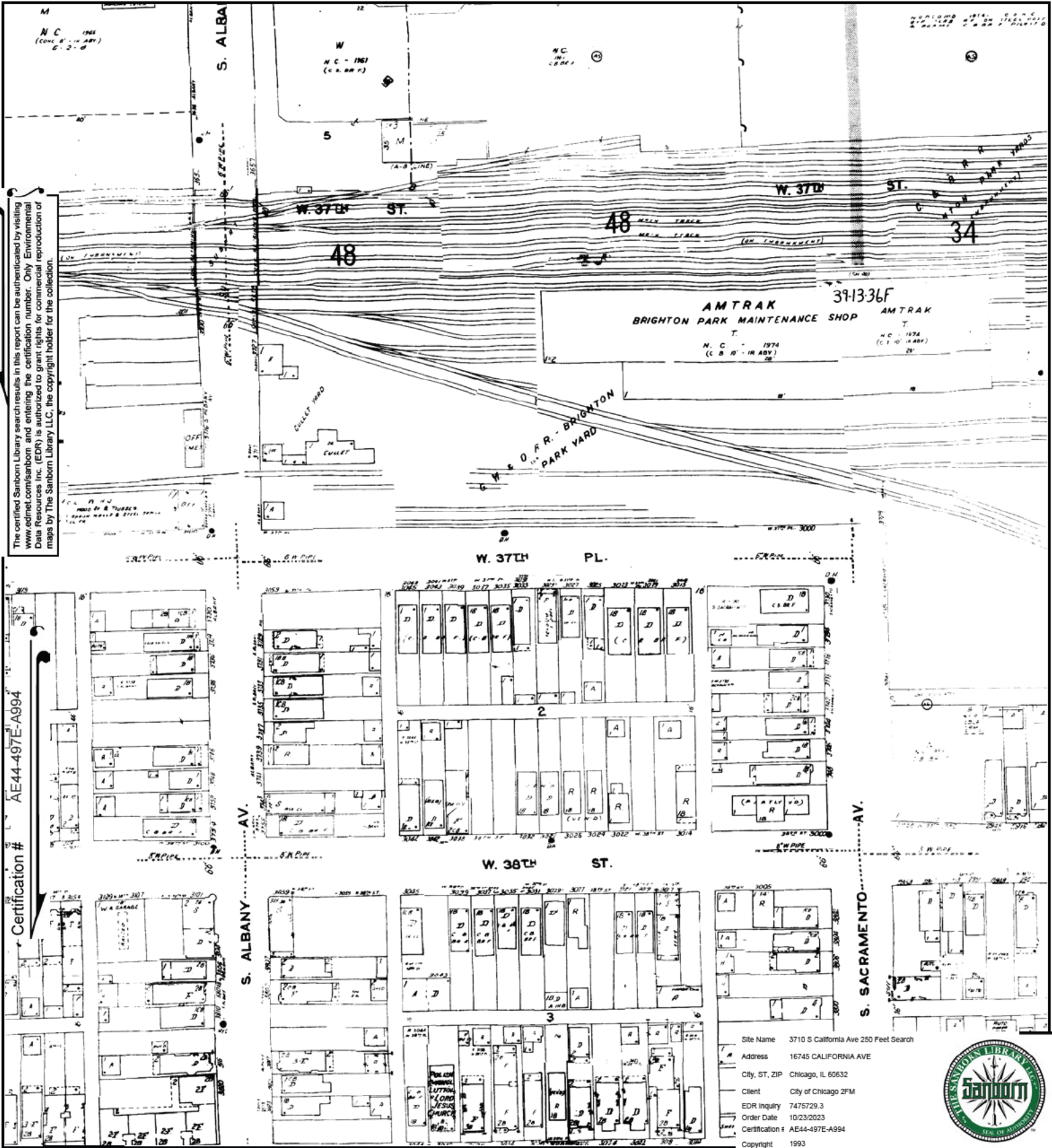


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- Volume 22, Sheet 36
- Volume 22, Sheet 34
- Volume 22, Sheet 35
- Volume 22, Sheet 50
- Volume 22, Sheet 49





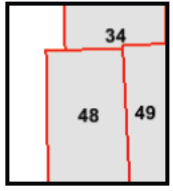
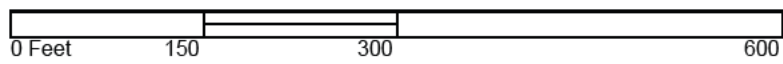
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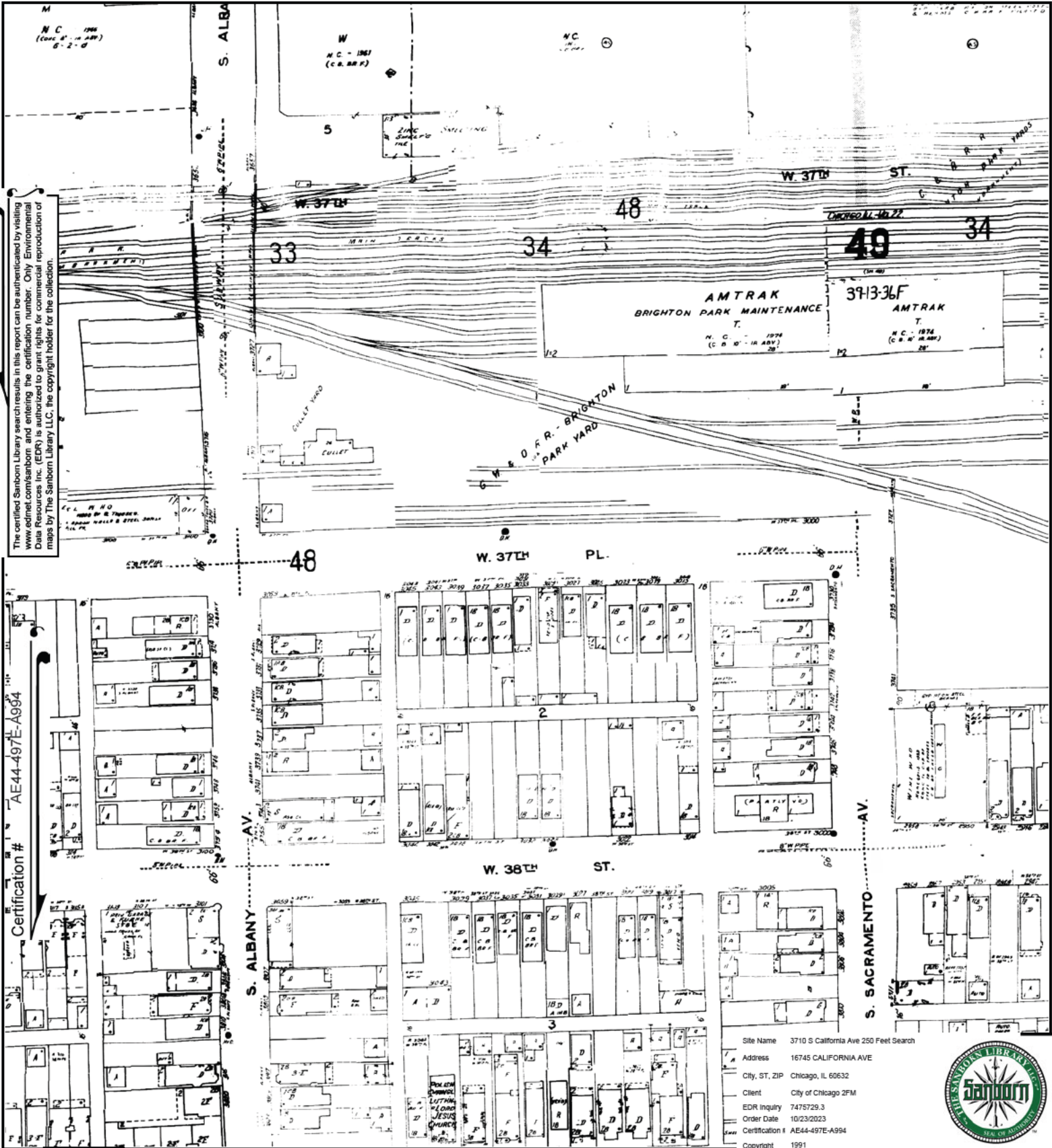


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- Volume 22, Sheet 48
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- Volume 22, Sheet 34
- Volume 22, Sheet 35
- Volume 22, Sheet 50
- Volume 22, Sheet 49





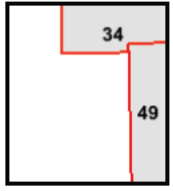
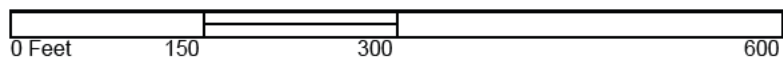
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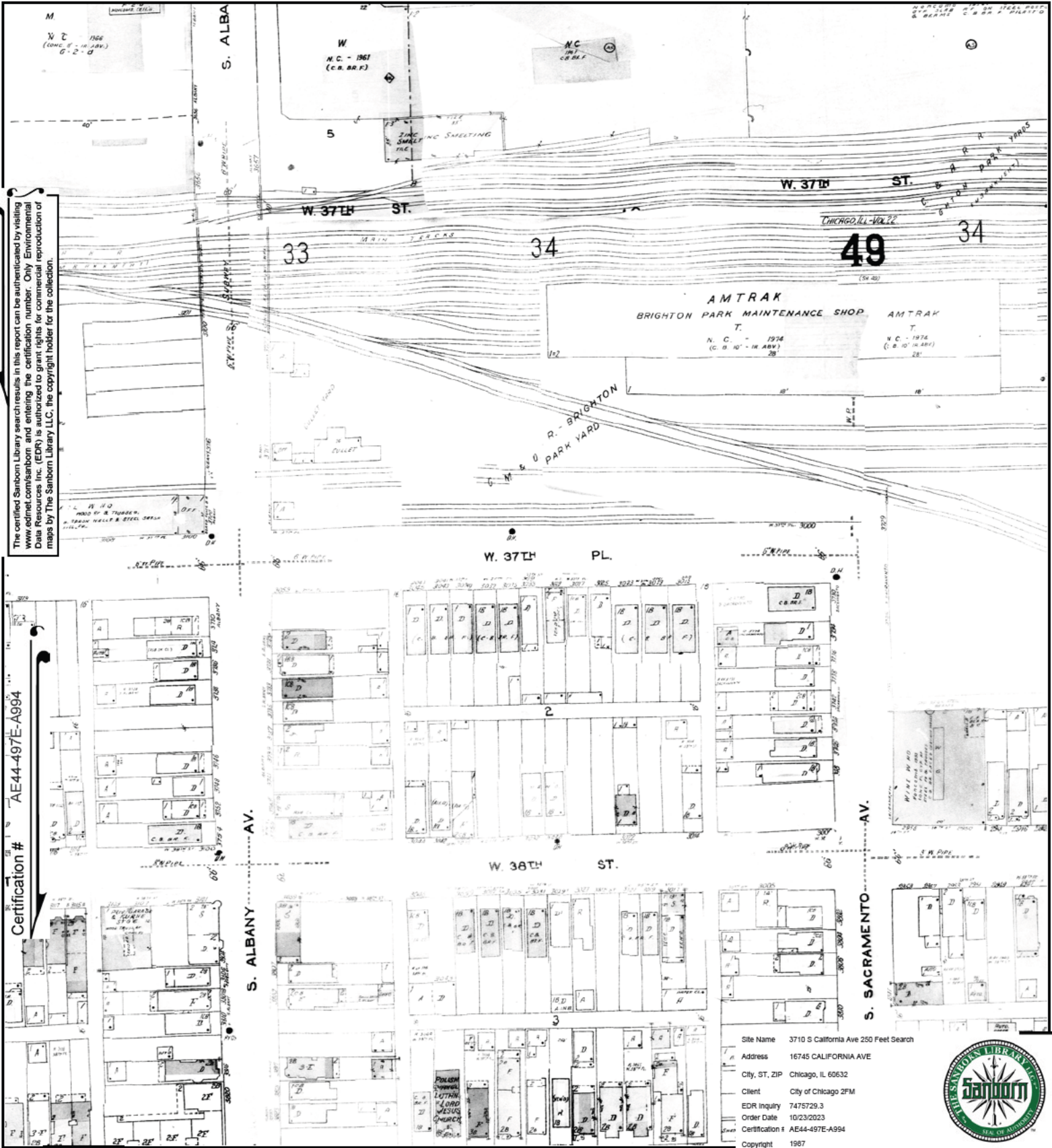


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- Volume 22, Sheet 34
- Volume 22, Sheet 36





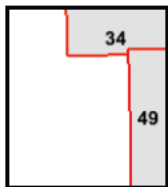
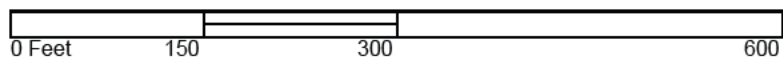
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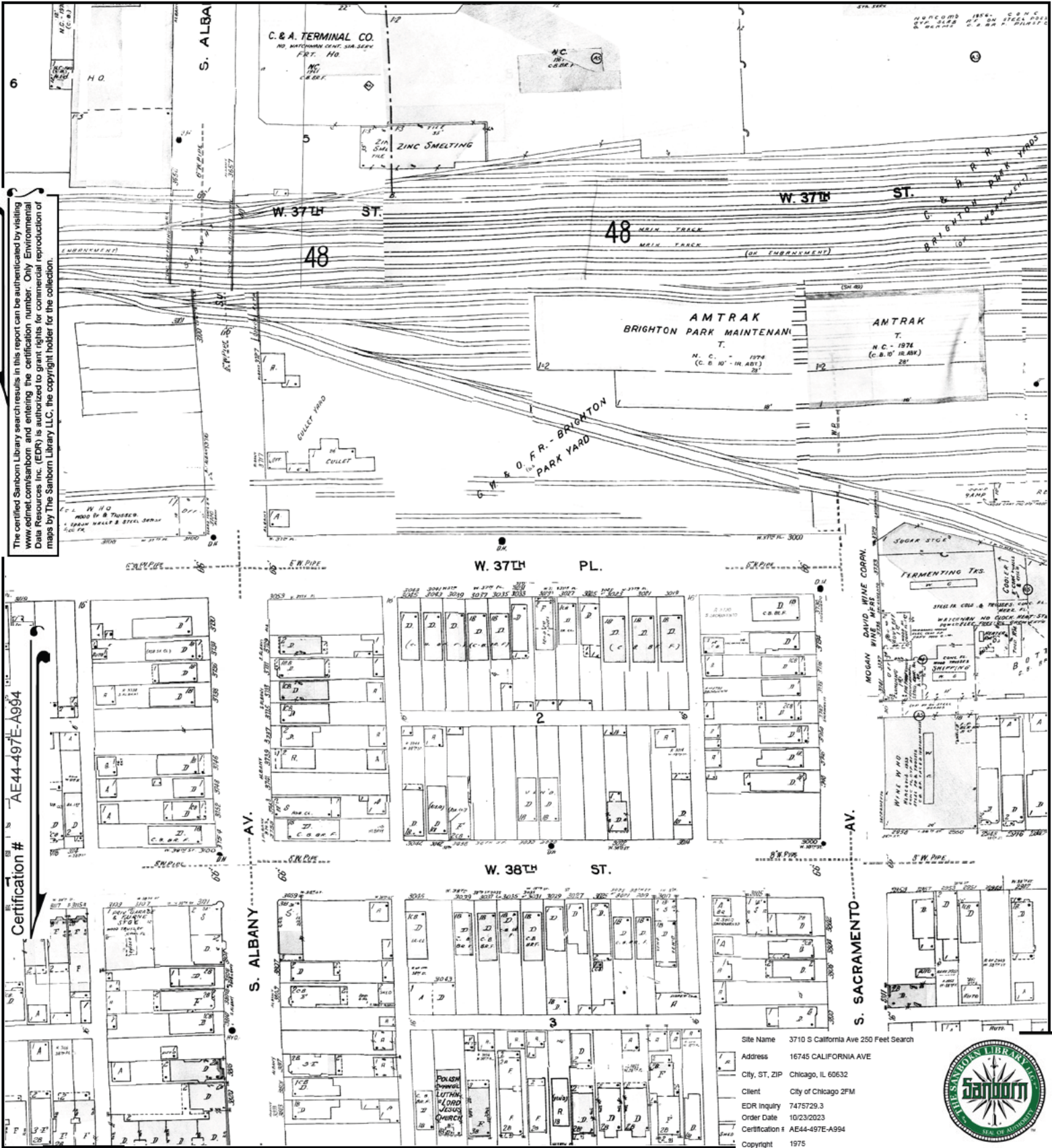


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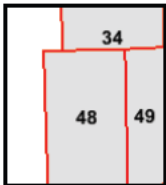


Volume 22, Sheet 35  
 Volume 22, Sheet 34  
 Volume 22, Sheet 50  
 Volume 22, Sheet 49



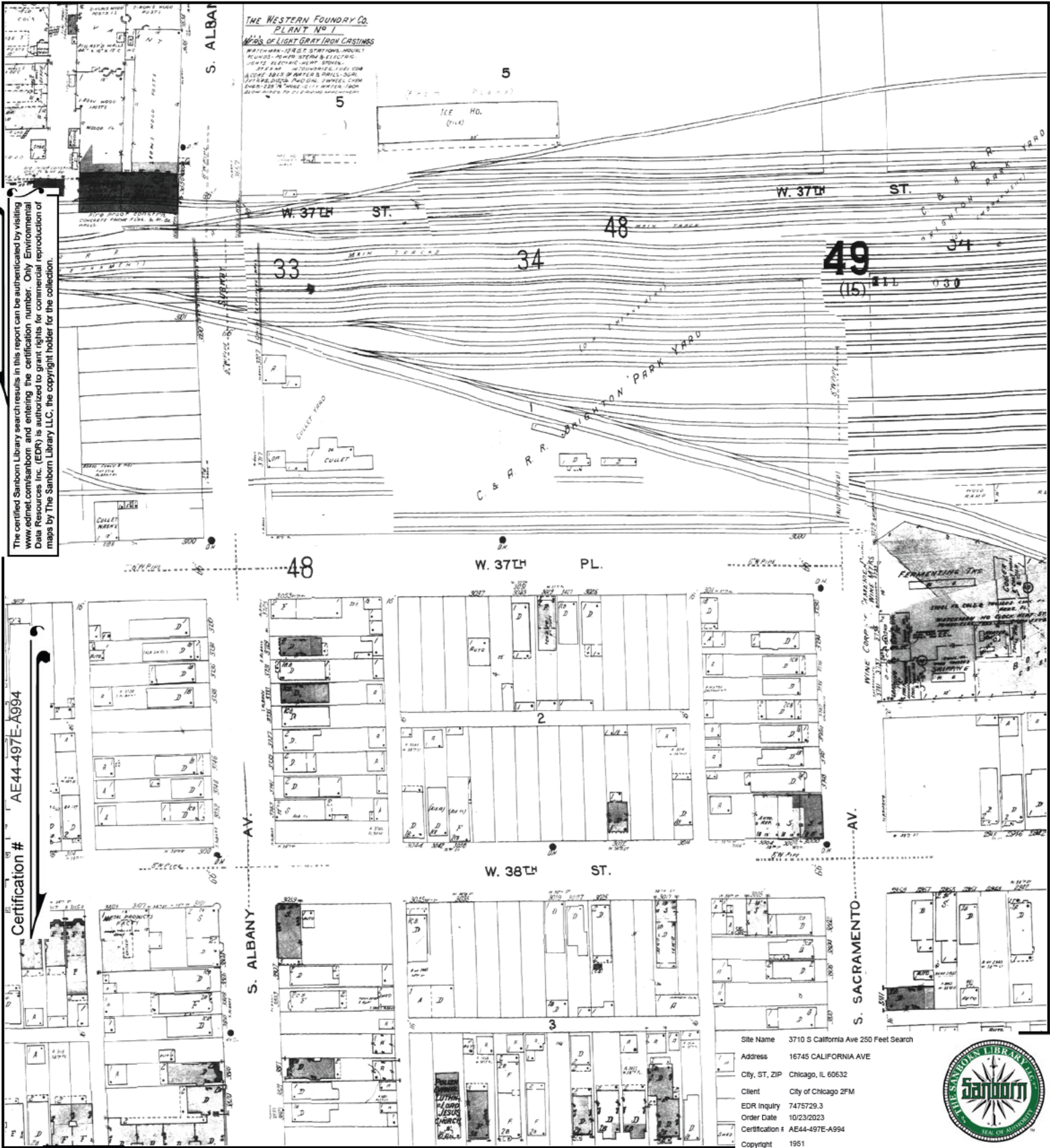


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- Volume 22, Sheet 49
- Volume 22, Sheet 48
- Volume 22, Sheet 36
- Volume 22, Sheet 34

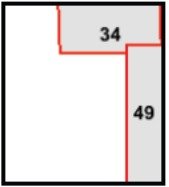
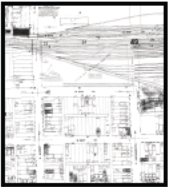
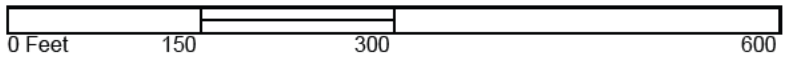




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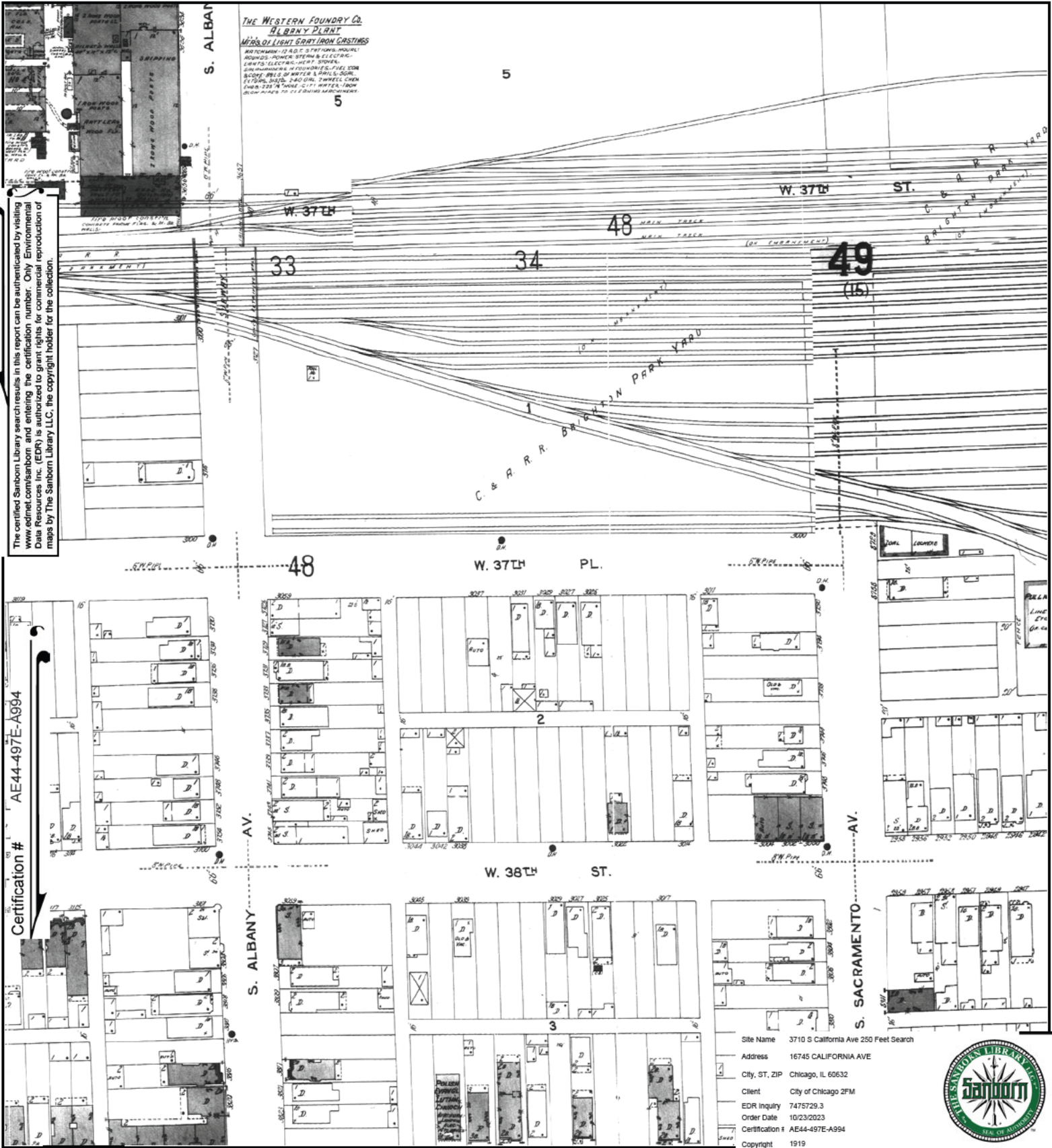
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- Volume 22, Sheet 36
- Volume 22, Sheet 50
- Volume 22, Sheet 49
- Volume 22, Sheet 35

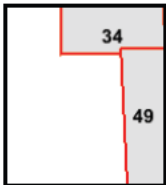
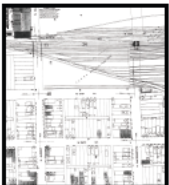




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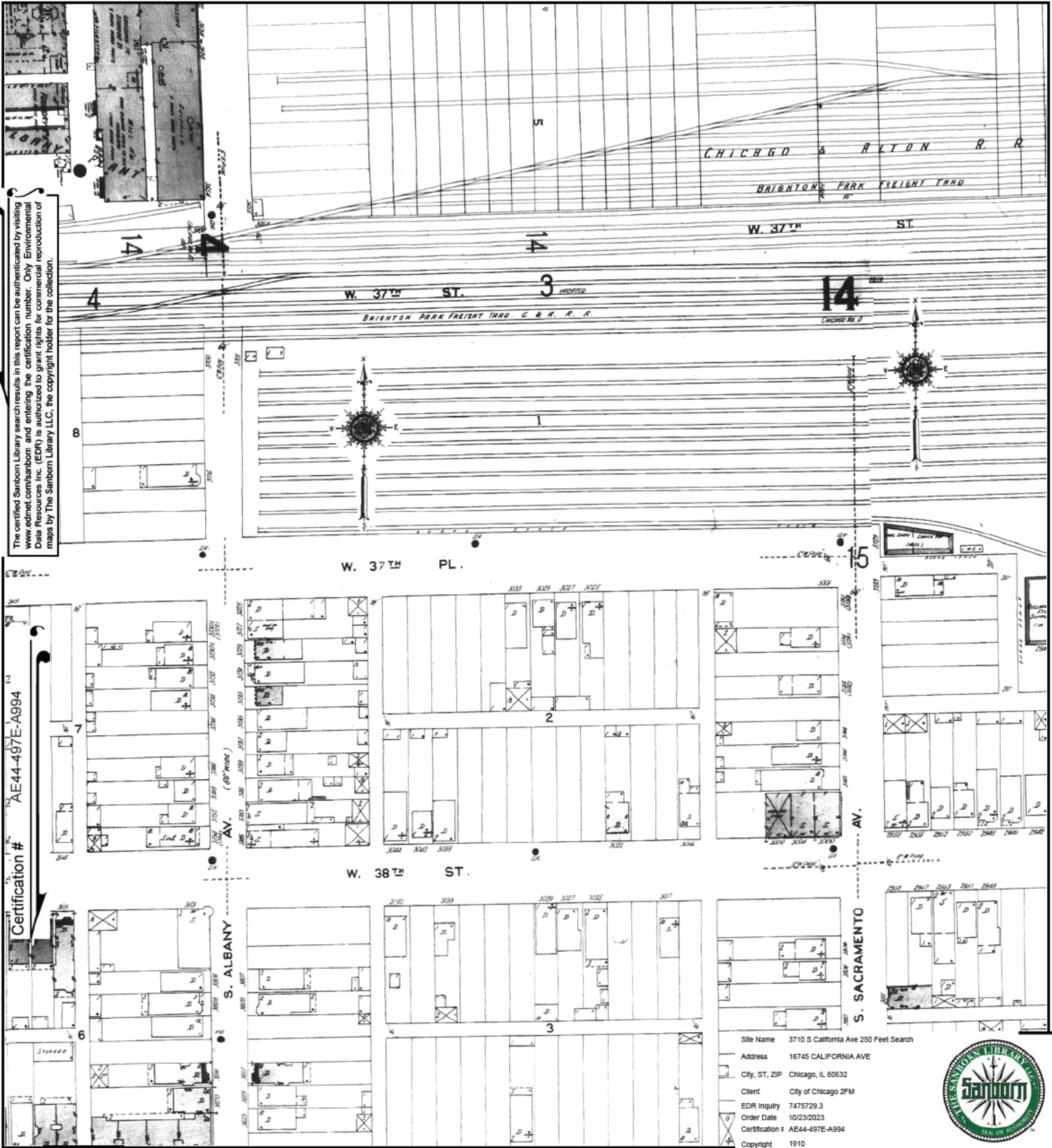
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- Volume 22, Sheet 49
- Volume 22, Sheet 36
- Volume 22, Sheet 34





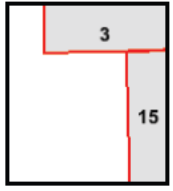
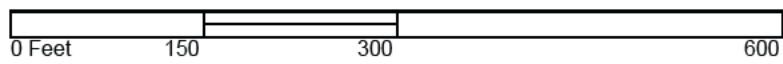
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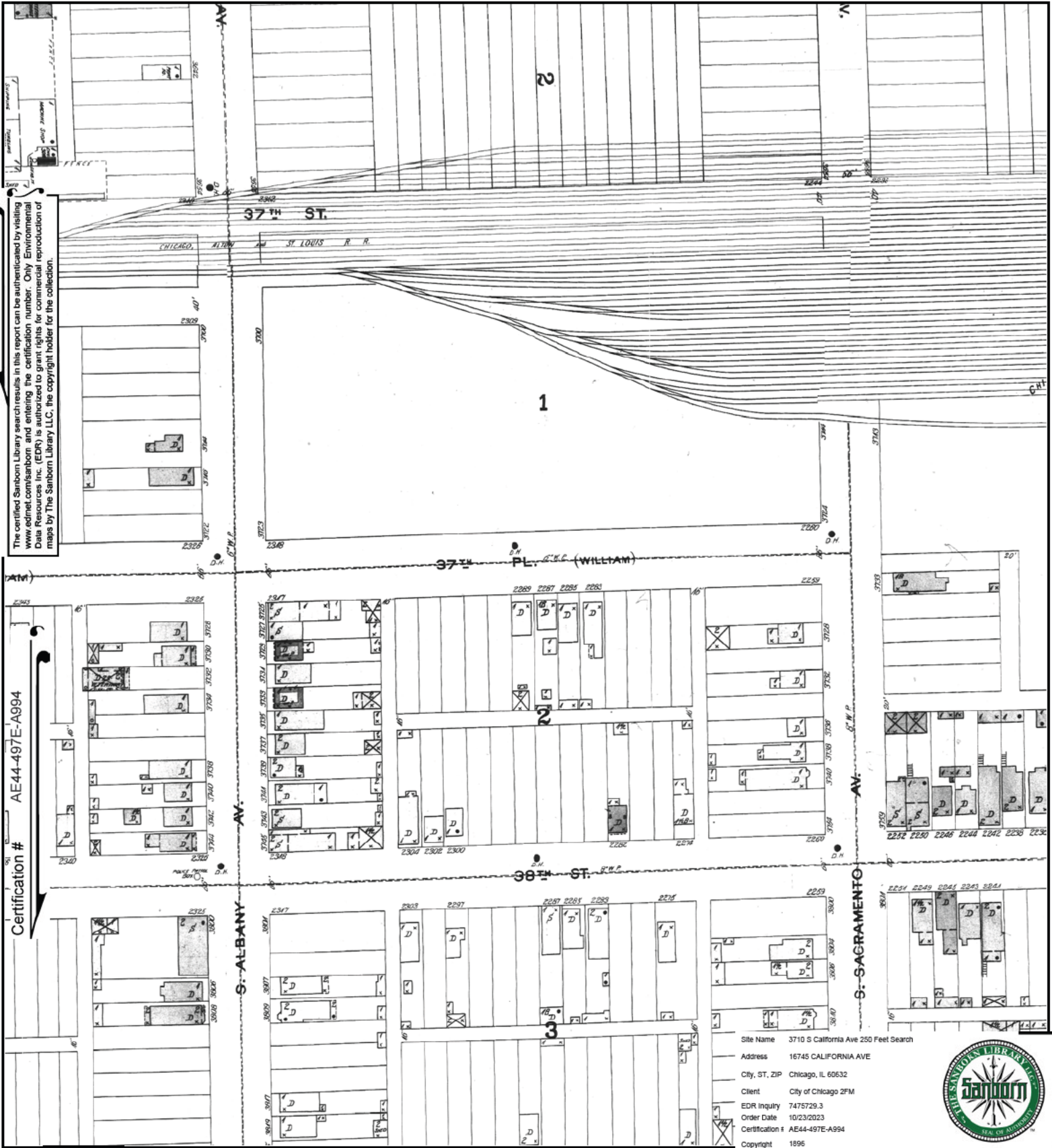
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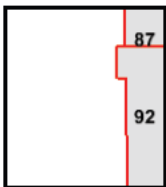
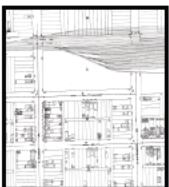
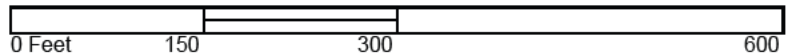
- Volume D, Sheet 16
- Volume D, Sheet 15
- Volume D, Sheet 5
- Volume D, Sheet 3







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 Volume B, Sheet 93  
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16745 CALIFORNIA AVE

Chicago, IL 60632

Inquiry Number: 7475729.3

October 23, 2023

## Certified Sanborn® Map Report



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# Certified Sanborn® Map Report

10/23/23

**Site Name:**

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EDR Inquiry # 7475729.3

**Client Name:**

City of Chicago 2FM  
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Chicago, IL 60613  
Contact: Paul Waite



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**PO #** NA  
**Project** NA

**Maps Provided:**

2004	1896
1993	
1991	
1987	
1975	
1951	
1919	
1910	



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- University Publications of America
- EDR Private Collection

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### 2004 Source Sheets



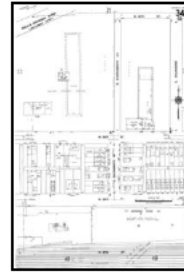
Volume 22, Sheet 49  
2004



Volume 22, Sheet 50  
2004



Volume 22, Sheet 35  
2004



Volume 22, Sheet 34  
2004



Volume 22, Sheet 36  
2004

### 1993 Source Sheets



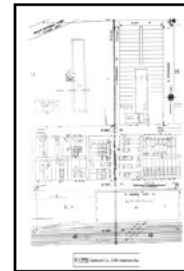
Volume 22, Sheet 49  
1993



Volume 22, Sheet 50  
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Volume 22, Sheet 35  
1993



Volume 22, Sheet 34  
1993



Volume 22, Sheet 36  
1993

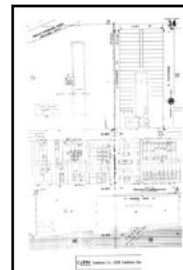


Volume 22, Sheet 48  
1993

### 1991 Source Sheets



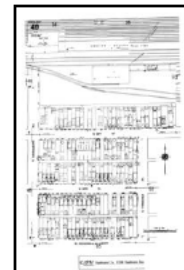
Volume 22, Sheet 36  
1991



Volume 22, Sheet 34  
1991



Volume 22, Sheet 35  
1991



Volume 22, Sheet 49  
1991



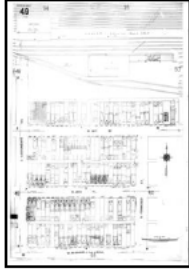
Volume 22, Sheet 50  
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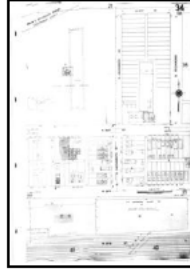
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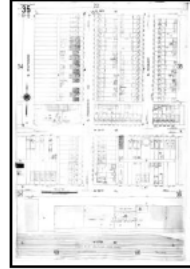
Volume 22, Sheet 49  
1987



Volume 22, Sheet 50  
1987

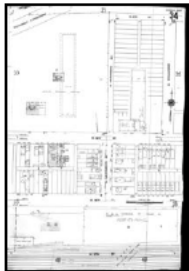


Volume 22, Sheet 34  
1987



Volume 22, Sheet 35  
1987

### 1975 Source Sheets



Volume 22, Sheet 34  
1975



Volume 22, Sheet 35  
1975



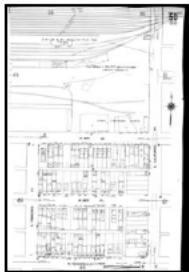
Volume 22, Sheet 36  
1975



Volume 22, Sheet 48  
1975



Volume 22, Sheet 49  
1975

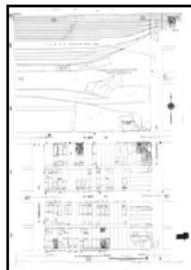


Volume 22, Sheet 50  
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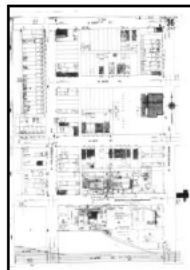
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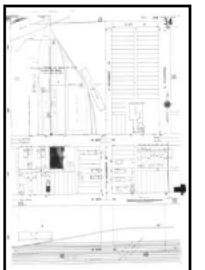
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Volume 22, Sheet 36  
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Volume 22, Sheet 35  
1951



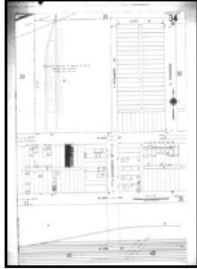
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## Sanborn Sheet Key

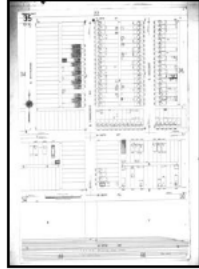
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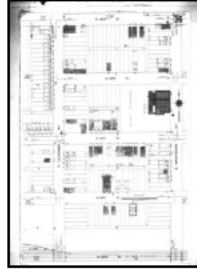
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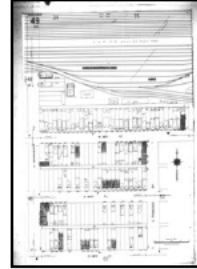
Volume 22, Sheet 34  
1919



Volume 22, Sheet 35  
1919



Volume 22, Sheet 36  
1919

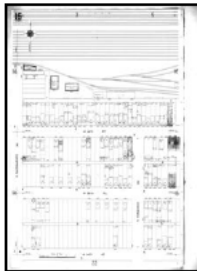


Volume 22, Sheet 49  
1919



Volume 22, Sheet 50  
1919

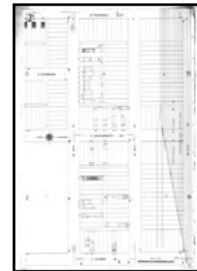
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Volume D, Sheet 15  
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Volume D, Sheet 16  
1910

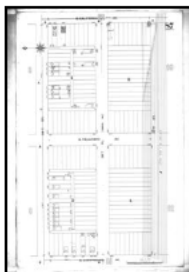


Volume D, Sheet 3  
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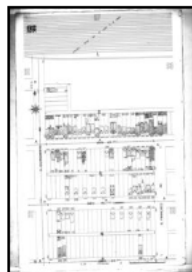


Volume D, Sheet 5  
1910

### 1896 Source Sheets



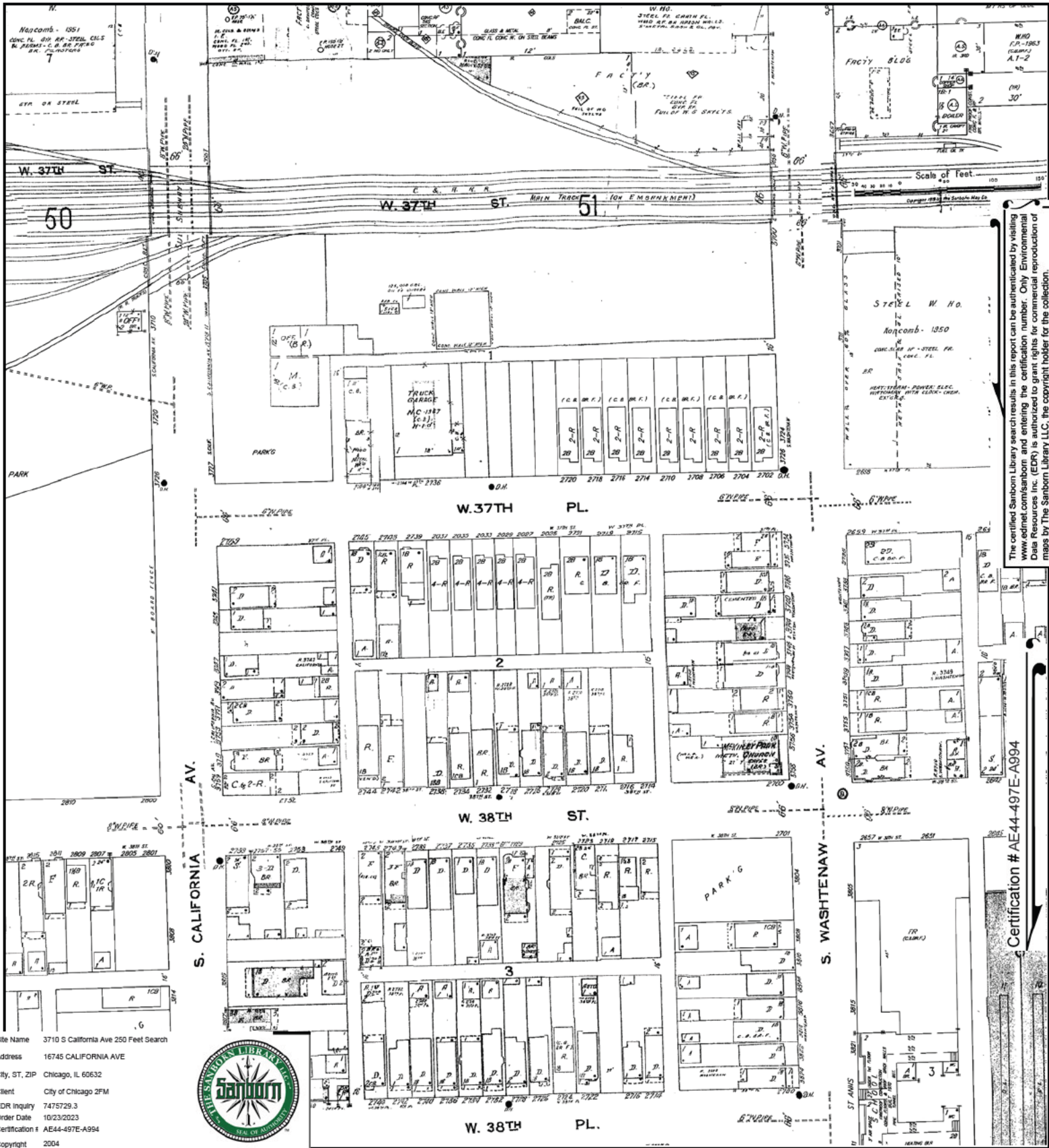
Volume B, Sheet 87  
1896



Volume B, Sheet 92  
1896



Volume B, Sheet 93  
1896

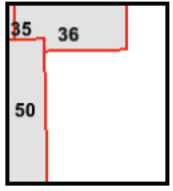
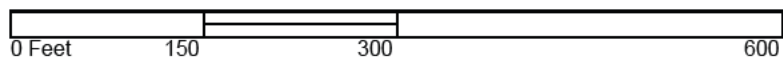


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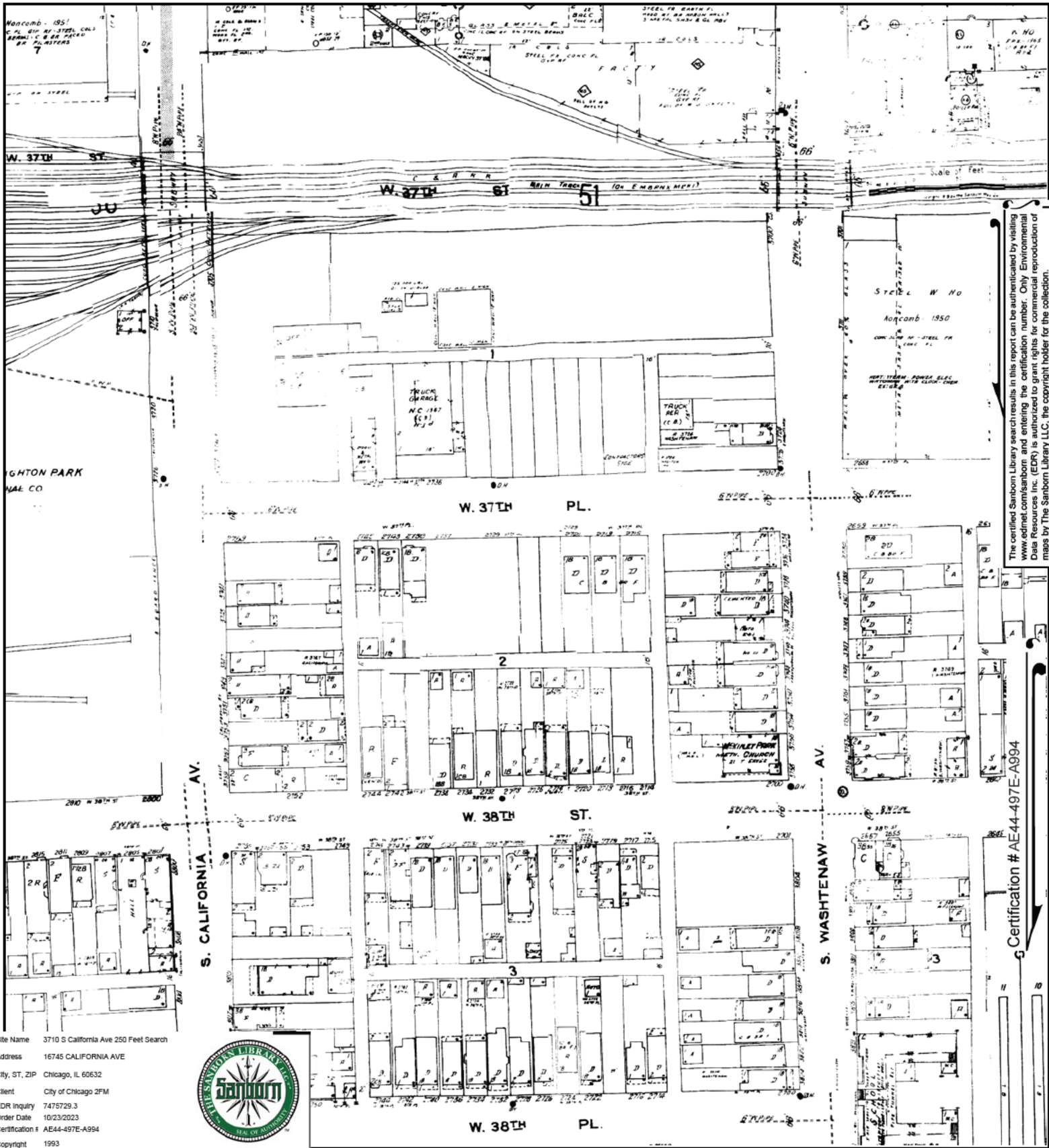


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- Volume 22, Sheet 35
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- Volume 22, Sheet 49





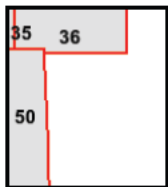
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- Volume 22, Sheet 35
- Volume 22, Sheet 50
- Volume 22, Sheet 49







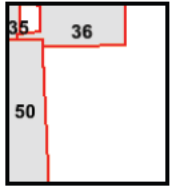
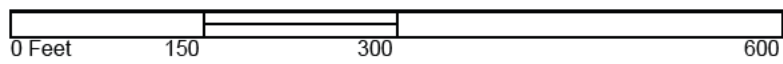
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Certification # AE44-497E-A994

Site Name 3710 S California Ave 250 Feet Search  
 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1991

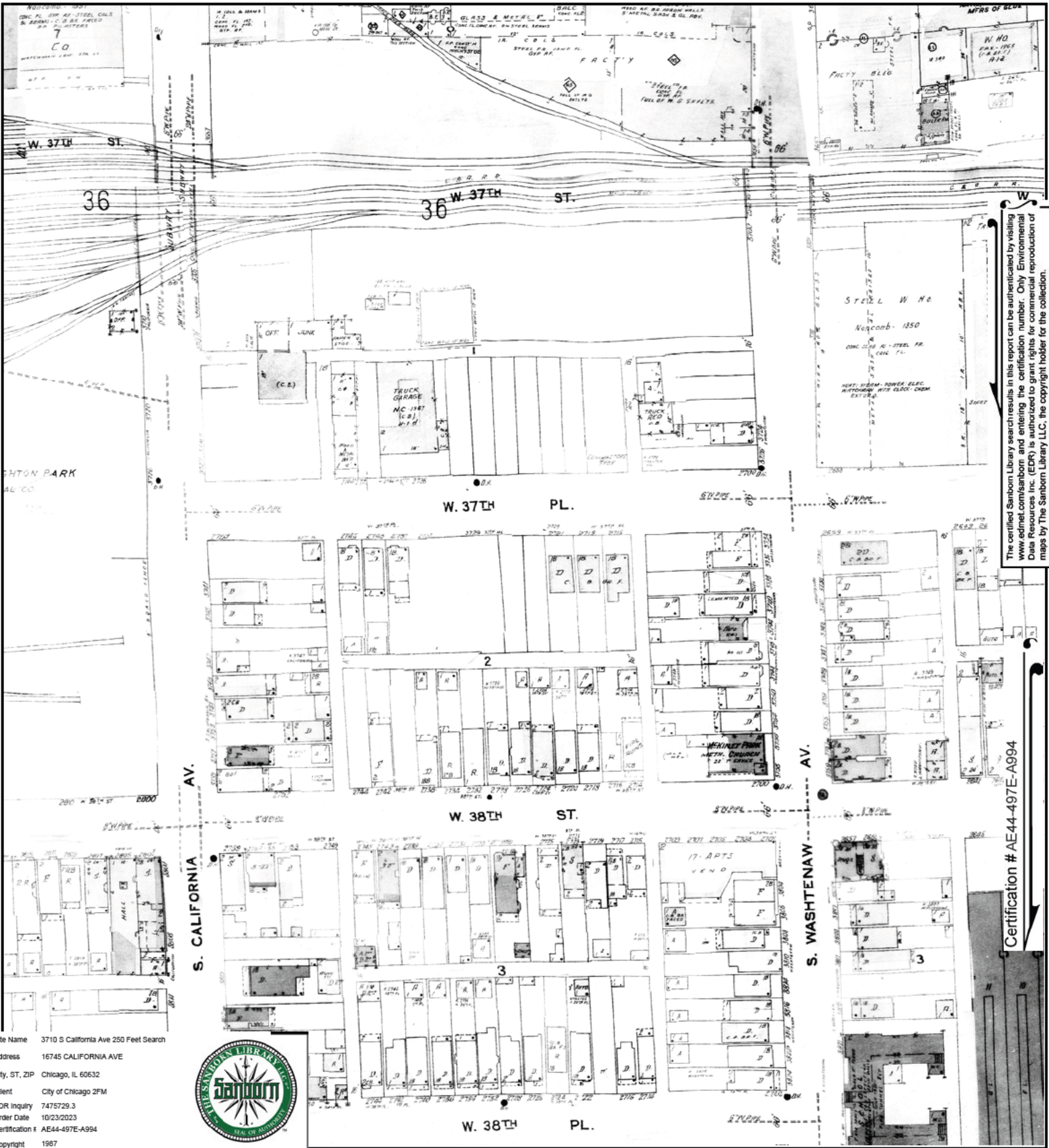


This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 50
- Volume 22, Sheet 49
- Volume 22, Sheet 35
- Volume 22, Sheet 34
- Volume 22, Sheet 36





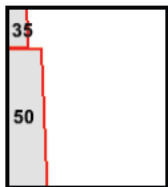
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- Volume 22, Sheet 35
- Volume 22, Sheet 34
- Volume 22, Sheet 50
- Volume 22, Sheet 49





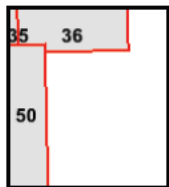
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 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1975

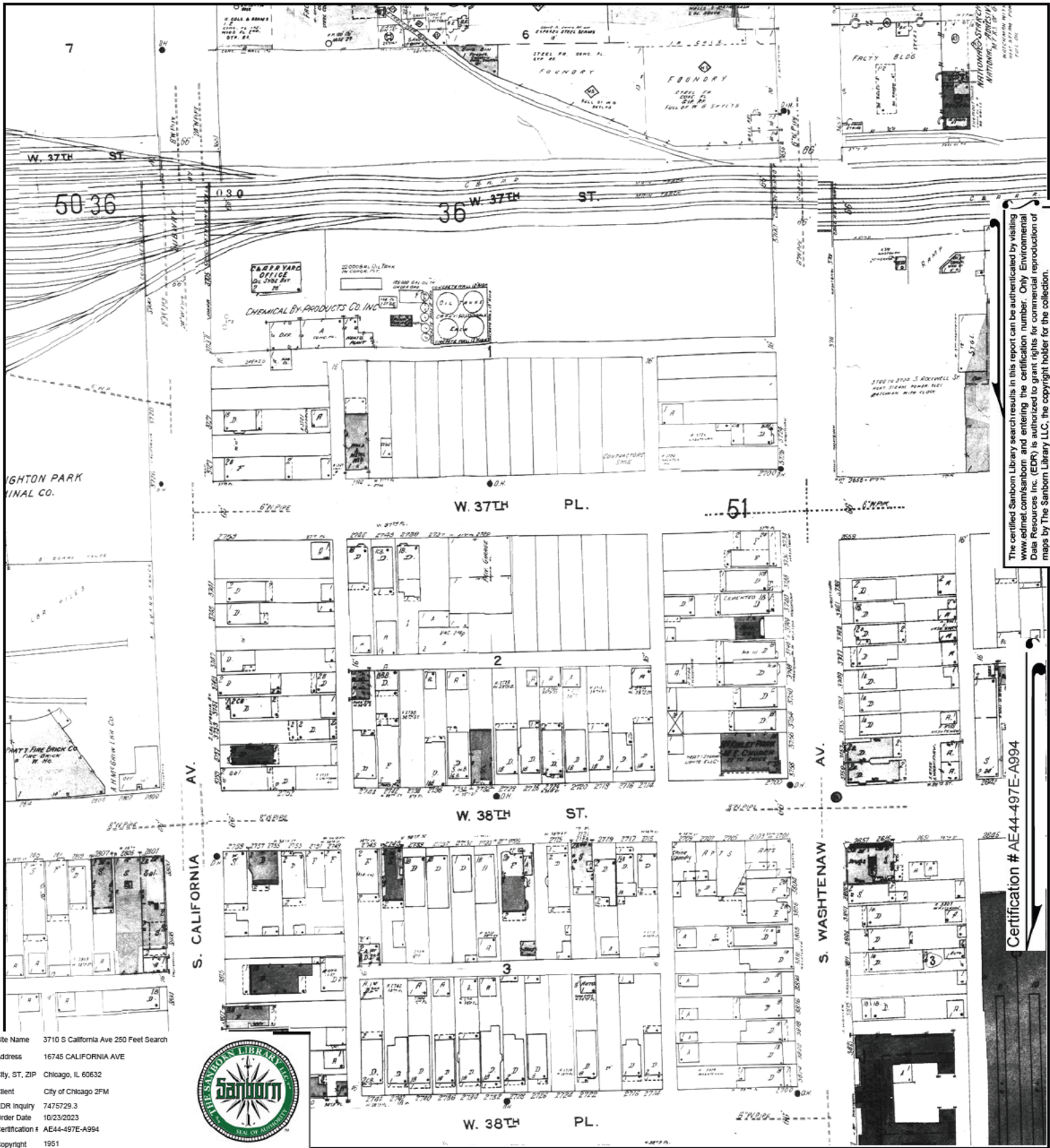


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 50
- Volume 22, Sheet 49
- Volume 22, Sheet 48
- Volume 22, Sheet 36
- Volume 22, Sheet 35
- Volume 22, Sheet 34





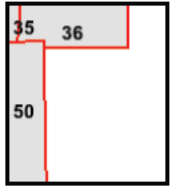
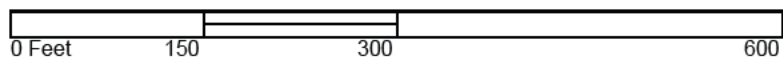
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Certification # AE44-497E-A994

Site Name 3710 S California Ave 250 Feet Search  
 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1951



This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 22, Sheet 34
- Volume 22, Sheet 35
- Volume 22, Sheet 36
- Volume 22, Sheet 50
- Volume 22, Sheet 49





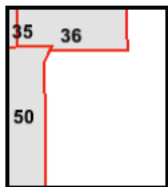
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # AE44-497E-A994

Site Name 3710 S California Ave 250 Feet Search  
 Address 16745 CALIFORNIA AVE  
 City, ST, ZIP Chicago, IL 60632  
 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1919

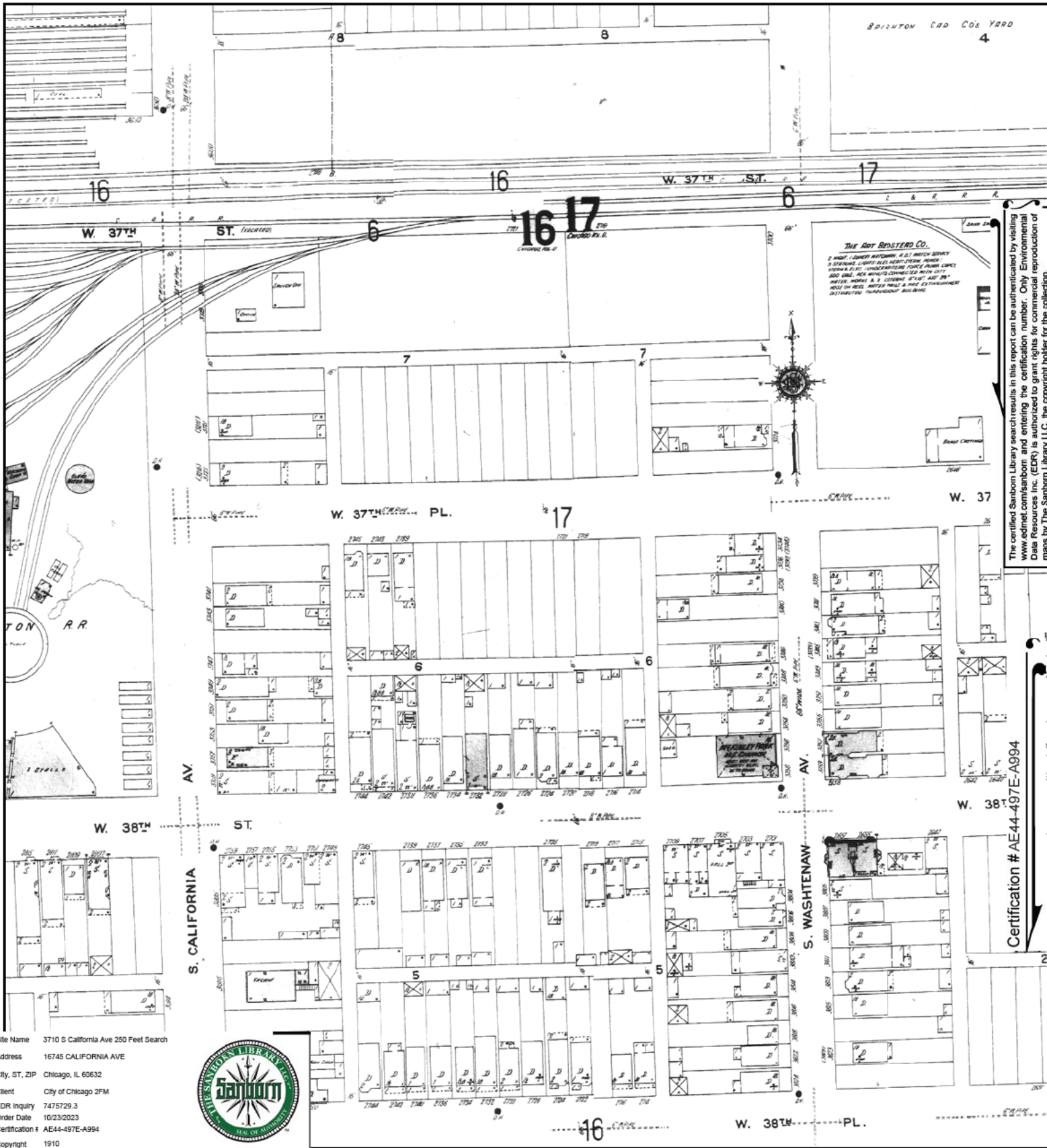


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 22, Sheet 50  
 Volume 22, Sheet 49  
 Volume 22, Sheet 36  
 Volume 22, Sheet 35  
 Volume 22, Sheet 34

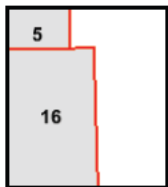




The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

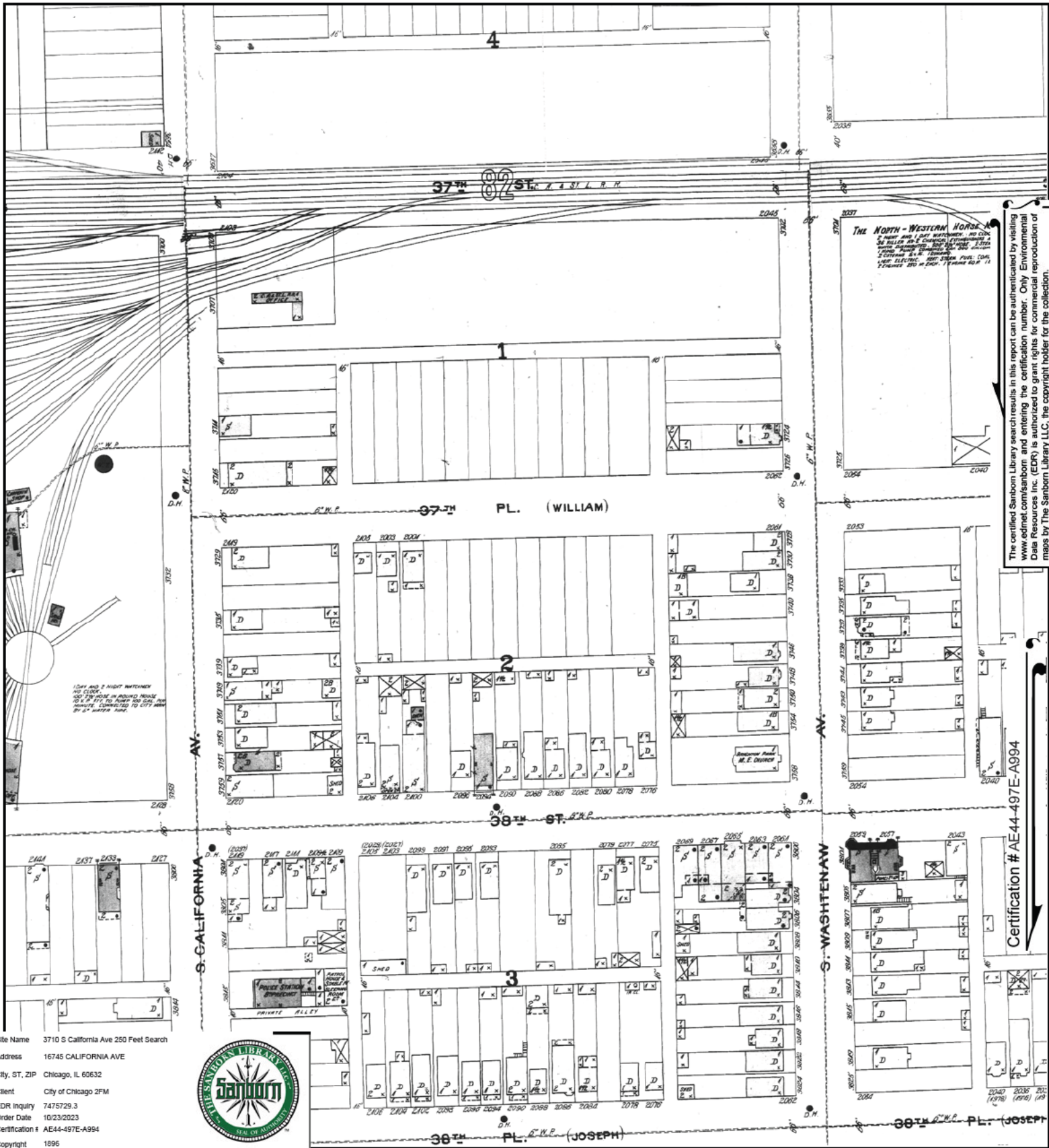
Certification # AE44-497E-A994

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume D, Sheet 5
- Volume D, Sheet 3
- Volume D, Sheet 16
- Volume D, Sheet 15



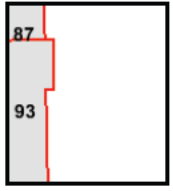
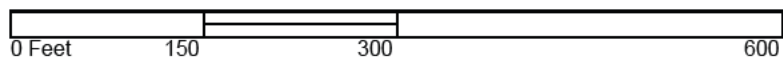


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name 3710 S California Ave 250 Feet Search  
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 Client City of Chicago 2FM  
 EDR Inquiry 7475729.3  
 Order Date 10/23/2023  
 Certification # AE44-497E-A994  
 Copyright 1896



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 Outlined areas indicate map sheets within the collection.



Volume B, Sheet 93  
 Volume B, Sheet 92  
 Volume B, Sheet 87



## APPENDIX B

### PHOTOGRAPH DOCUMENTATION





Photo 1: Private utility locating performed on the northern portion of the site.



Photo 2: Typical boring marked and cleared for underground utilities.



Photo 3: Boring advancement using a GeoProbe on the east portion of the site facing north.



Photo 4: Soil sampling activities facing northwest.



Photo 5: Soil gas sampling with a Suma canister facing south.



Photo 6: Mercury soil gas sampling.



Photo 7: Typical temporary groundwater well installation.



Photo 8: Utility clearing around B-15 prior to delineation sampling and remediation.



Photo 9: Loading soil surrounding SB-15 into a truck for offsite disposal.



Photo 10: Backfill after removal of soil surrounding SB-15.



Photo 11: Spreading compacting of clean stone barrier.



Photo 12: Installation completed of clean stone barrier throughout the site.

## APPENDIX C

### LABORATORY ANALYTICAL REPORTS & VALIDATION



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 08, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23101003 Revision 0

RE: A2237020, AIS Chicago, 3710 S. California

Dear Terracon Consultants, Inc.:

Sterling Labs received 26 samples for the referenced project on 10/31/2023 5:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / TNI standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "Justice Kwateng", written in a cursive style.

Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*



**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Work Order:** 23101003 Revision 0

### Work Order Sample Summary

Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23101003-001A	SB-01 (0.5) / 103123		10/31/2023 8:30:00 AM	10/31/2023
23101003-001B	SB-01 (0.5) / 103123		10/31/2023 8:30:00 AM	10/31/2023
23101003-002A	SB-01 (1-3) / 103123		10/31/2023 8:30:00 AM	10/31/2023
23101003-002B	SB-01 (1-3) / 103123		10/31/2023 8:30:00 AM	10/31/2023
23101003-003A	SB-01 (7.5-10) / 103123		10/31/2023 8:30:00 AM	10/31/2023
23101003-003B	SB-01 (7.5-10) / 103123		10/31/2023 8:30:00 AM	10/31/2023
23101003-004A	DUP-001 / 103123		10/31/2023	10/31/2023
23101003-004B	DUP-001 / 103123		10/31/2023	10/31/2023
23101003-005A	SB-02 (0.5) / 103123		10/31/2023 9:30:00 AM	10/31/2023
23101003-005B	SB-02 (0.5) / 103123		10/31/2023 9:30:00 AM	10/31/2023
23101003-006A	SB-02 (1-3) / 103123		10/31/2023 9:30:00 AM	10/31/2023
23101003-006B	SB-02 (1-3) / 103123		10/31/2023 9:30:00 AM	10/31/2023
23101003-007A	SB-02 (8.5-10) / 103123		10/31/2023 9:30:00 AM	10/31/2023
23101003-007B	SB-02 (8.5-10) / 103123		10/31/2023 9:30:00 AM	10/31/2023
23101003-008A	SB-03 (0.5) / 103123		10/31/2023 10:40:00 AM	10/31/2023
23101003-008B	SB-03 (0.5) / 103123		10/31/2023 10:40:00 AM	10/31/2023
23101003-009A	SB-03 (1-3) / 103123		10/31/2023 10:40:00 AM	10/31/2023
23101003-009B	SB-03 (1-3) / 103123		10/31/2023 10:40:00 AM	10/31/2023
23101003-010A	SB-03 (4-6) / 103123		10/31/2023 10:40:00 AM	10/31/2023
23101003-010B	SB-03 (4-6) / 103123		10/31/2023 10:40:00 AM	10/31/2023
23101003-011A	SB-04 (0.5) / 103123		10/31/2023 11:30:00 AM	10/31/2023
23101003-011B	SB-04 (0.5) / 103123		10/31/2023 11:30:00 AM	10/31/2023
23101003-012A	SB-04 (3-5) / 103123		10/31/2023 11:30:00 AM	10/31/2023
23101003-012B	SB-04 (3-5) / 103123		10/31/2023 11:30:00 AM	10/31/2023
23101003-013A	SB-04 (1-3) / 103123		10/31/2023 11:30:00 AM	10/31/2023
23101003-013B	SB-04 (1-3) / 103123		10/31/2023 11:30:00 AM	10/31/2023
23101003-014A	SB-05 (0.5) / 103123		10/31/2023 12:30:00 PM	10/31/2023
23101003-014B	SB-05 (0.5) / 103123		10/31/2023 12:30:00 PM	10/31/2023
23101003-015A	SB-05 (1-3) / 103123		10/31/2023 12:30:00 PM	10/31/2023
23101003-015B	SB-05 (1-3) / 103123		10/31/2023 12:30:00 PM	10/31/2023
23101003-016A	SB-05 (4-6) / 103123		10/31/2023 12:30:00 PM	10/31/2023
23101003-016B	SB-05 (4-6) / 103123		10/31/2023 12:30:00 PM	10/31/2023
23101003-017A	DUP-02 / 103123		10/31/2023	10/31/2023
23101003-017B	DUP-02 / 103123		10/31/2023	10/31/2023
23101003-018A	SB-06 (0.5) / 103123		10/31/2023 1:15:00 PM	10/31/2023
23101003-018B	SB-06 (0.5) / 103123		10/31/2023 1:15:00 PM	10/31/2023
23101003-019A	SB-06 (1-3) / 103123		10/31/2023 1:15:00 PM	10/31/2023
23101003-019B	SB-06 (1-3) / 103123		10/31/2023 1:15:00 PM	10/31/2023
23101003-020A	SB-06 (4-6) / 103123		10/31/2023 1:15:00 PM	10/31/2023
23101003-020B	SB-06 (4-6) / 103123		10/31/2023 1:15:00 PM	10/31/2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Work Order:** 23101003 Revision 0

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## Work Order Sample Summary

Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23101003-021A	SB-07 (0.5) / 103123		10/31/2023 2:10:00 PM	10/31/2023
23101003-021B	SB-07 (0.5) / 103123		10/31/2023 2:10:00 PM	10/31/2023
23101003-022A	SB-07 (1-3) / 103123		10/31/2023 2:10:00 PM	10/31/2023
23101003-022B	SB-07 (1-3) / 103123		10/31/2023 2:10:00 PM	10/31/2023
23101003-023A	SB-07 (3-5) / 103123		10/31/2023 2:10:00 PM	10/31/2023
23101003-023B	SB-07 (3-5) / 103123		10/31/2023 2:10:00 PM	10/31/2023
23101003-024A	DUP-003 / 103123		10/31/2023	10/31/2023
23101003-024B	DUP-003 / 103123		10/31/2023	10/31/2023
23101003-025A	SB-08 (1-3) / 103123		10/31/2023 4:00:00 PM	10/31/2023
23101003-025B	SB-08 (1-3) / 103123		10/31/2023 4:00:00 PM	10/31/2023
23101003-026A	SB-08 (5-7.5) / 103123		10/31/2023 4:00:00 PM	10/31/2023
23101003-026B	SB-08 (5-7.5) / 103123		10/31/2023 4:00:00 PM	10/31/2023



**Date:** November 08, 2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Work Order:** 23101003 Revision 0

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## Case Narrative

Due to sample matrix, the SVOC extract for the following samples were concentrated to a final volume of 10mL, resulting in a 10 fold increase in reporting limits:

SB-05 (0.5) / 103123 (23101003-014)

DUP-02 / 103123 (23101003-017)

SB-06 (0.5) / 103123 (23101003-018)

SB-07 (0.5) / 103123 (23101003-021)

Please refer to Analytical QC Summary Report for QC outliers.

---

QC - Quality Control

MB - Method Blank

LCS(D) - Lab Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

RPD - Relative Percent Difference

VOC - Volatile Organic Compound

SVOC - Semi-Volatile Organic Compound

PNA/PAH - Polynuclear Aromatic Hydrocarbon

PCB - Polychlorinated Biphenyls



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.24		mg/Kg-dry	1	10/31/2023
Benzene	ND	0.016		mg/Kg-dry	1	10/31/2023
Bromodichloromethane	ND	0.016		mg/Kg-dry	1	10/31/2023
Bromoform	ND	0.016		mg/Kg-dry	1	10/31/2023
Bromomethane	ND	0.033		mg/Kg-dry	1	10/31/2023
2-Butanone	ND	0.24		mg/Kg-dry	1	10/31/2023
Carbon disulfide	ND	0.16		mg/Kg-dry	1	10/31/2023
Carbon tetrachloride	ND	0.016		mg/Kg-dry	1	10/31/2023
Chlorobenzene	ND	0.016		mg/Kg-dry	1	10/31/2023
Chloroethane	ND	0.033		mg/Kg-dry	1	10/31/2023
Chloroform	ND	0.016		mg/Kg-dry	1	10/31/2023
Chloromethane	ND	0.033		mg/Kg-dry	1	10/31/2023
Dibromochloromethane	ND	0.016		mg/Kg-dry	1	10/31/2023
1,1-Dichloroethane	ND	0.016		mg/Kg-dry	1	10/31/2023
1,2-Dichloroethane	ND	0.016		mg/Kg-dry	1	10/31/2023
1,1-Dichloroethene	ND	0.016		mg/Kg-dry	1	10/31/2023
cis-1,2-Dichloroethene	ND	0.016		mg/Kg-dry	1	10/31/2023
trans-1,2-Dichloroethene	ND	0.016		mg/Kg-dry	1	10/31/2023
1,2-Dichloropropane	ND	0.016		mg/Kg-dry	1	10/31/2023
cis-1,3-Dichloropropene	ND	0.0065		mg/Kg-dry	1	10/31/2023
trans-1,3-Dichloropropene	ND	0.0065		mg/Kg-dry	1	10/31/2023
Ethylbenzene	ND	0.016		mg/Kg-dry	1	10/31/2023
2-Hexanone	ND	0.065		mg/Kg-dry	1	10/31/2023
4-Methyl-2-pentanone	ND	0.065		mg/Kg-dry	1	10/31/2023
Methylene chloride	ND	0.033		mg/Kg-dry	1	10/31/2023
Methyl tert-butyl ether	ND	0.016		mg/Kg-dry	1	10/31/2023
Styrene	ND	0.016		mg/Kg-dry	1	10/31/2023
1,1,2,2-Tetrachloroethane	ND	0.016		mg/Kg-dry	1	10/31/2023
Tetrachloroethene	ND	0.016		mg/Kg-dry	1	10/31/2023
Toluene	ND	0.016		mg/Kg-dry	1	10/31/2023
1,1,1-Trichloroethane	ND	0.016		mg/Kg-dry	1	10/31/2023
1,1,2-Trichloroethane	ND	0.016		mg/Kg-dry	1	10/31/2023
Trichloroethene	ND	0.016		mg/Kg-dry	1	10/31/2023
Vinyl chloride	ND	0.016		mg/Kg-dry	1	10/31/2023
Xylenes, Total	ND	0.049		mg/Kg-dry	1	10/31/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.036		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.036		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>					
Aniline	ND	0.36		mg/Kg-dry	1 11/2/2023
Anthracene	0.048	0.036		mg/Kg-dry	1 11/2/2023
Benz(a)anthracene	0.14	0.036		mg/Kg-dry	1 11/2/2023
Benzidine	ND	0.36		mg/Kg-dry	1 11/2/2023
Benzo(a)pyrene	0.19	0.036		mg/Kg-dry	1 11/2/2023
Benzo(b)fluoranthene	0.17	0.036		mg/Kg-dry	1 11/2/2023
Benzo(g,h,i)perylene	0.13	0.036		mg/Kg-dry	1 11/2/2023
Benzo(k)fluoranthene	0.12	0.036		mg/Kg-dry	1 11/2/2023
Benzoic acid	ND	0.92		mg/Kg-dry	1 11/2/2023
Benzyl alcohol	ND	0.19		mg/Kg-dry	1 11/2/2023
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1 11/2/2023
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1 11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1 11/2/2023
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1 11/2/2023
Butyl benzyl phthalate	ND	0.92		mg/Kg-dry	1 11/2/2023
Carbazole	ND	0.19		mg/Kg-dry	1 11/2/2023
4-Chloroaniline	ND	0.19		mg/Kg-dry	1 11/2/2023
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1 11/2/2023
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1 11/2/2023
2-Chlorophenol	ND	0.19		mg/Kg-dry	1 11/2/2023
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1 11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1 11/2/2023
Chrysene	0.16	0.036		mg/Kg-dry	1 11/2/2023
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1 11/2/2023
Dibenzofuran	ND	0.19		mg/Kg-dry	1 11/2/2023
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1 11/2/2023
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1 11/2/2023
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1 11/2/2023
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1 11/2/2023
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1 11/2/2023
Diethyl phthalate	ND	0.92		mg/Kg-dry	1 11/2/2023
Dimethyl phthalate	ND	0.92		mg/Kg-dry	1 11/2/2023
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1 11/2/2023
Di-n-butyl phthalate	ND	0.92		mg/Kg-dry	1 11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1 11/2/2023
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1 11/2/2023
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1 11/2/2023
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1 11/2/2023
Di-n-octyl phthalate	ND	0.92		mg/Kg-dry	1 11/2/2023
Fluoranthene	0.24	0.036		mg/Kg-dry	1 11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.036		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.19		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.10	0.036		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.19		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.19		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.036		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.036		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.036		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.036		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.10	0.036		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.19		mg/Kg-dry	1	11/2/2023
Pyrene	0.24	0.036		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.74		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Aroclor 1016	ND	0.091		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.091		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.091		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.091		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.091		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.091		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.091		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**

*IEPA ELAP 100445*

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.018		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0018		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0018		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0018		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.038		mg/Kg-dry	1	11/1/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Aluminum	9900	23		mg/Kg-dry	10	11/1/2023
Antimony	ND	2.3		mg/Kg-dry	10	11/1/2023
Arsenic	12	1.1		mg/Kg-dry	10	11/1/2023
Barium	130	1.1		mg/Kg-dry	10	11/1/2023
Beryllium	1.4	0.57		mg/Kg-dry	10	11/2/2023
Cadmium	1.6	0.57		mg/Kg-dry	10	11/1/2023
Calcium	63000	68		mg/Kg-dry	10	11/1/2023
Chromium	28	1.1		mg/Kg-dry	10	11/1/2023
Cobalt	6.4	1.1		mg/Kg-dry	10	11/1/2023
Copper	280	2.8		mg/Kg-dry	10	11/1/2023
Iron	33000	34		mg/Kg-dry	10	11/1/2023
Lead	560	0.57		mg/Kg-dry	10	11/1/2023
Magnesium	30000	34		mg/Kg-dry	10	11/1/2023
Manganese	400	1.1		mg/Kg-dry	10	11/1/2023
Nickel	25	1.1		mg/Kg-dry	10	11/1/2023
Potassium	1600	34		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-01 (0.5) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 8:30:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
<i>IEPA ELAP 100445</i>						
Selenium	ND	1.1		mg/Kg-dry	10	11/1/2023
Silver	ND	1.1		mg/Kg-dry	10	11/1/2023
Sodium	1100	68		mg/Kg-dry	10	11/1/2023
Thallium	1.2	1.1		mg/Kg-dry	10	11/1/2023
Vanadium	31	1.1		mg/Kg-dry	10	11/1/2023
Zinc	420	5.7		mg/Kg-dry	10	11/1/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	0.30	0.020		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.57		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	8.08			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	12.2	0.2	*	wt%	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.11		mg/Kg-dry	1	10/31/2023
Benzene	ND	0.0074		mg/Kg-dry	1	10/31/2023
Bromodichloromethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
Bromoform	ND	0.0074		mg/Kg-dry	1	10/31/2023
Bromomethane	ND	0.015		mg/Kg-dry	1	10/31/2023
2-Butanone	ND	0.11		mg/Kg-dry	1	10/31/2023
Carbon disulfide	ND	0.074		mg/Kg-dry	1	10/31/2023
Carbon tetrachloride	ND	0.0074		mg/Kg-dry	1	10/31/2023
Chlorobenzene	ND	0.0074		mg/Kg-dry	1	10/31/2023
Chloroethane	ND	0.015		mg/Kg-dry	1	10/31/2023
Chloroform	ND	0.0074		mg/Kg-dry	1	10/31/2023
Chloromethane	ND	0.015		mg/Kg-dry	1	10/31/2023
Dibromochloromethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,1-Dichloroethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,2-Dichloroethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,1-Dichloroethene	ND	0.0074		mg/Kg-dry	1	10/31/2023
cis-1,2-Dichloroethene	ND	0.0074		mg/Kg-dry	1	10/31/2023
trans-1,2-Dichloroethene	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,2-Dichloropropane	ND	0.0074		mg/Kg-dry	1	10/31/2023
cis-1,3-Dichloropropene	ND	0.0029		mg/Kg-dry	1	10/31/2023
trans-1,3-Dichloropropene	ND	0.0029		mg/Kg-dry	1	10/31/2023
Ethylbenzene	ND	0.0074		mg/Kg-dry	1	10/31/2023
2-Hexanone	ND	0.029		mg/Kg-dry	1	10/31/2023
4-Methyl-2-pentanone	ND	0.029		mg/Kg-dry	1	10/31/2023
Methylene chloride	ND	0.015		mg/Kg-dry	1	10/31/2023
Methyl tert-butyl ether	ND	0.0074		mg/Kg-dry	1	10/31/2023
Styrene	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,1,2,2-Tetrachloroethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
Tetrachloroethene	ND	0.0074		mg/Kg-dry	1	10/31/2023
Toluene	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,1,1-Trichloroethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
1,1,2-Trichloroethane	ND	0.0074		mg/Kg-dry	1	10/31/2023
Trichloroethene	ND	0.0074		mg/Kg-dry	1	10/31/2023
Vinyl chloride	ND	0.0074		mg/Kg-dry	1	10/31/2023
Xylenes, Total	ND	0.022		mg/Kg-dry	1	10/31/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.039		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-01 (1-3) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 8:30:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.39		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.068	0.039		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.39		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.077	0.039		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.072	0.039		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.042	0.039		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.054	0.039		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	0.96		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	0.96		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/2/2023
Chrysene	0.072	0.039		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.20		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	0.96		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	0.96		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	0.96		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	0.96		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.11	0.039		mg/Kg-dry	1	11/2/2023

Qualifiers: ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.039		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.074	0.039		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Pyrene	0.11	0.039		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.77		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS** **SW6020A (SW3050B)** **Prep Date: 11/1/2023** **Analyst: MMR**

IEPA ELAP 100445

Arsenic	15	1.1		mg/Kg-dry	10	11/2/2023
Barium	150	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	1.9	0.56		mg/Kg-dry	10	11/2/2023
Chromium	43	1.1		mg/Kg-dry	10	11/2/2023
Lead	720	0.56		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	380	5.6		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-01 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 8:30:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-002	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/1/2023 Analyst: <b>JB2</b>
Mercury	0.62	0.020		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/1/2023 Analyst: <b>LJ1</b>
pH	8.06			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/1/2023 Analyst: <b>EPD</b>
	14.3	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded





Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-01 (7.5-10) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 8:30:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** SW5035/8260B Prep Date: 11/1/2023 Analyst: EGH  
 IEPA ELAP 100445

Acetone	ND	0.16		mg/Kg-dry	1	10/31/2023
Benzene	ND	0.011		mg/Kg-dry	1	10/31/2023
Bromodichloromethane	ND	0.011		mg/Kg-dry	1	10/31/2023
Bromoform	ND	0.011		mg/Kg-dry	1	10/31/2023
Bromomethane	ND	0.021		mg/Kg-dry	1	10/31/2023
2-Butanone	ND	0.16		mg/Kg-dry	1	10/31/2023
Carbon disulfide	ND	0.11		mg/Kg-dry	1	10/31/2023
Carbon tetrachloride	ND	0.011		mg/Kg-dry	1	10/31/2023
Chlorobenzene	ND	0.011		mg/Kg-dry	1	10/31/2023
Chloroethane	ND	0.021		mg/Kg-dry	1	10/31/2023
Chloroform	ND	0.011		mg/Kg-dry	1	10/31/2023
Chloromethane	ND	0.021		mg/Kg-dry	1	10/31/2023
Dibromochloromethane	ND	0.011		mg/Kg-dry	1	10/31/2023
1,1-Dichloroethane	ND	0.011		mg/Kg-dry	1	10/31/2023
1,2-Dichloroethane	ND	0.011		mg/Kg-dry	1	10/31/2023
1,1-Dichloroethene	ND	0.011		mg/Kg-dry	1	10/31/2023
cis-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	10/31/2023
trans-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	10/31/2023
1,2-Dichloropropane	ND	0.011		mg/Kg-dry	1	10/31/2023
cis-1,3-Dichloropropene	ND	0.0044		mg/Kg-dry	1	10/31/2023
trans-1,3-Dichloropropene	ND	0.0044		mg/Kg-dry	1	10/31/2023
Ethylbenzene	ND	0.011		mg/Kg-dry	1	10/31/2023
2-Hexanone	ND	0.044		mg/Kg-dry	1	10/31/2023
4-Methyl-2-pentanone	ND	0.044		mg/Kg-dry	1	10/31/2023
Methylene chloride	ND	0.021		mg/Kg-dry	1	10/31/2023
Methyl tert-butyl ether	ND	0.011		mg/Kg-dry	1	10/31/2023
Styrene	ND	0.011		mg/Kg-dry	1	10/31/2023
1,1,2,2-Tetrachloroethane	ND	0.011		mg/Kg-dry	1	10/31/2023
Tetrachloroethene	ND	0.011		mg/Kg-dry	1	10/31/2023
Toluene	ND	0.011		mg/Kg-dry	1	10/31/2023
1,1,1-Trichloroethane	ND	0.011		mg/Kg-dry	1	10/31/2023
1,1,2-Trichloroethane	ND	0.011		mg/Kg-dry	1	10/31/2023
Trichloroethene	ND	0.011		mg/Kg-dry	1	10/31/2023
Vinyl chloride	ND	0.011		mg/Kg-dry	1	10/31/2023
Xylenes, Total	ND	0.032		mg/Kg-dry	1	10/31/2023

**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Acenaphthene	ND	0.047		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.047		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (7.5-10) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.47		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.047		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.076	0.047		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.47		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.070	0.047		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.050	0.047		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	ND	0.047		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.055	0.047		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.2		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.24		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.24		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.24		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.24		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.47		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.24		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.24		mg/Kg-dry	1	11/2/2023
Chrysene	0.080	0.047		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.047		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.24		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.24		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.47		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.2		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.047		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.047		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.14	0.047		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-01 (7.5-10) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 8:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.047		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.24		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.24		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.24		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.047		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.24		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.24		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.047		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.047		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.47		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.24		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.047		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.24		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.093		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.11	0.047		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Pyrene	0.13	0.047		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.93		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/1/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	12	1.3		mg/Kg-dry	10	11/2/2023
Barium	94	1.3		mg/Kg-dry	10	11/2/2023
Cadmium	5.4	0.64		mg/Kg-dry	10	11/2/2023
Chromium	19	1.3		mg/Kg-dry	10	11/2/2023
Lead	1200	0.64		mg/Kg-dry	10	11/2/2023
Selenium	2.4	1.3		mg/Kg-dry	10	11/2/2023
Silver	ND	1.3		mg/Kg-dry	10	11/2/2023
Zinc	1700	6.4		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003 Revision 0  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23101003-003

**Customer Sample ID:** SB-01 (7.5-10) / 103123  
**Collection Date:** 10/31/2023 8:30:00 AM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	3.8	0.12		mg/Kg-dry	5	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.07			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	29.2	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/1/2023** **Analyst: CBG**

IEPA ELAP 100445

Acetone	ND	0.11		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0071		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0071		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.014		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.11		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.071		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0071		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0071		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.014		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0071		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.014		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0071		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0071		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0071		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0071		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.028		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.014		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0071		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0071		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0071		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0071		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0071		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.021		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.045		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.045		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.45		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.045		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.045		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.45		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	ND	0.045		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.045		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	ND	0.045		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.045		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.2		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.24		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.24		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.24		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.24		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.24		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.24		mg/Kg-dry	1	11/2/2023
Chrysene	ND	0.045		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.24		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.24		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.45		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.2		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.2		mg/Kg-dry	1	11/2/2023
Fluoranthene	ND	0.045		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Fluorene	ND	0.045		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.24		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.24		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.24		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.045		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.24		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.24		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.045		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.045		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.45		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.24		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.045		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.24		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.092		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.045		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.24		mg/Kg-dry	1	11/2/2023
Pyrene	ND	0.045		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.92		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.24		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.24		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS** **SW6020A (SW3050B)** **Prep Date: 11/1/2023** **Analyst: MMR**  
 IEPA ELAP 100445

Arsenic	6.6	1.4		mg/Kg-dry	10	11/2/2023
Barium	99	1.4		mg/Kg-dry	10	11/2/2023
Cadmium	1.1	0.68		mg/Kg-dry	10	11/2/2023
Chromium	8.0	1.4		mg/Kg-dry	10	11/2/2023
Lead	83	0.68		mg/Kg-dry	10	11/2/2023
Selenium	4.6	1.4		mg/Kg-dry	10	11/2/2023
Silver	ND	1.4		mg/Kg-dry	10	11/2/2023
Zinc	340	6.8		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: DUP-001 / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.084	0.024		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.31			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	29.6	0.2	*	wt%	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 11/1/2023		Analyst: <b>CBG</b>
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.15		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0098		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0098		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.020		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.15		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.098		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0098		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0098		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.020		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0098		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.020		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0098		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0098		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0098		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0039		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0039		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0098		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.039		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.039		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.020		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0098		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0098		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0098		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0098		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0098		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.029		mg/Kg-dry	1	11/1/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: <b>TEM</b>
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.036		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.036		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.36		mg/Kg-dry	1	11/2/2023
Anthracene	0.073	0.036		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.37	0.036		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.36		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.43	0.036		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.35	0.036		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.28	0.036		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.34	0.036		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	0.90		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	0.90		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	11/2/2023
Chrysene	0.38	0.036		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	0.13	0.036		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.19		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	0.90		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	0.90		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	0.90		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	0.90		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.68	0.036		mg/Kg-dry	1	11/2/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Fluorene	ND	0.036		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.19		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.22	0.036		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.19		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.19		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.036		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.036		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.036		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.036		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.25	0.036		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.19		mg/Kg-dry	1	11/2/2023
Pyrene	0.63	0.036		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.73		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

Aroclor 1016	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.086		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

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**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.036		mg/Kg-dry	1	11/1/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Aluminum	6600	19		mg/Kg-dry	10	11/2/2023
Antimony	ND	1.9		mg/Kg-dry	10	11/2/2023
Arsenic	8.1	0.96		mg/Kg-dry	10	11/2/2023
Barium	100	0.96		mg/Kg-dry	10	11/2/2023
Beryllium	0.90	0.48		mg/Kg-dry	10	11/2/2023
Cadmium	1.3	0.48		mg/Kg-dry	10	11/2/2023
Calcium	45000	57		mg/Kg-dry	10	11/2/2023
Chromium	24	0.96		mg/Kg-dry	10	11/2/2023
Cobalt	6.3	0.96		mg/Kg-dry	10	11/2/2023
Copper	350	2.4		mg/Kg-dry	10	11/2/2023
Iron	36000	29		mg/Kg-dry	10	11/2/2023
Lead	450	0.48		mg/Kg-dry	10	11/2/2023
Magnesium	21000	29		mg/Kg-dry	10	11/2/2023
Manganese	370	0.96		mg/Kg-dry	10	11/2/2023
Nickel	24	0.96		mg/Kg-dry	10	11/2/2023
Potassium	1100	29		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-02 (0.5) / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023 9:30:00 AM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
<i>IEPA ELAP 100445</i>						
Selenium	1.4	0.96		mg/Kg-dry	10	11/2/2023
Silver	ND	0.96		mg/Kg-dry	10	11/2/2023
Sodium	490	57		mg/Kg-dry	10	11/2/2023
Thallium	ND	0.96		mg/Kg-dry	10	11/2/2023
Vanadium	24	0.96		mg/Kg-dry	10	11/2/2023
Zinc	320	4.8		mg/Kg-dry	10	11/2/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	0.31	0.019		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.54		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	8.41			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	8.2	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		<b>Prep Date: 11/1/2023</b>		<b>Analyst: CBG</b>
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.084		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0056		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0056		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.012		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.084		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.056		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0056		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.022		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0056		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/1/2023
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		<b>Prep Date: 11/1/2023</b>		<b>Analyst: TEM</b>
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.035		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.035		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-006

**Analyses** **Result** **RL** **Qualifier** **Units** **DF** **Date Analyzed**

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Aniline	ND	0.35		mg/Kg-dry	1	11/2/2023
Anthracene	0.038	0.035		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.13	0.035		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.35		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.16	0.035		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.17	0.035		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.089	0.035		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.092	0.035		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	0.88		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.88		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	0.88		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.18		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.35		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	11/2/2023
Chrysene	0.14	0.035		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.18		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	0.88		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	0.88		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	0.88		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.35		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	0.88		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.035		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	0.88		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.21	0.035		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: TEM  
 IEPA ELAP 100445

Fluorene	ND	0.035		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.18		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.073	0.035		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.18		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.18		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.18		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.035		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.035		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.35		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.071		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.14	0.035		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.18		mg/Kg-dry	1	11/2/2023
Pyrene	0.20	0.035		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.71		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/1/2023      Analyst: MMR  
 IEPA ELAP 100445

Arsenic	5.8	0.93		mg/Kg-dry	10	11/2/2023
Barium	68	0.93		mg/Kg-dry	10	11/2/2023
Cadmium	0.98	0.47		mg/Kg-dry	10	11/2/2023
Chromium	15	0.93		mg/Kg-dry	10	11/2/2023
Lead	210	0.47		mg/Kg-dry	10	11/2/2023
Selenium	1.1	0.93		mg/Kg-dry	10	11/2/2023
Silver	ND	0.93		mg/Kg-dry	10	11/2/2023
Zinc	220	4.7		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003 Revision 0  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23101003-006

**Customer Sample ID:** SB-02 (1-3) / 103123  
**Collection Date:** 10/31/2023 9:30:00 AM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.27	0.019		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.99			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	5.9	0.2	*	wt%	1	11/2/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (8.5-10) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 11/1/2023		Analyst: <b>CBG</b>
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.18		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.012		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.012		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.025		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.18		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.12		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.012		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.012		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.025		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.012		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.025		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.012		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.012		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.012		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.012		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.012		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0049		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0049		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.012		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.049		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.049		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.025		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.012		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.012		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.012		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.012		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.012		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.012		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.037		mg/Kg-dry	1	11/1/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: <b>TEM</b>
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.045		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.045		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (8.5-10) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.45		mg/Kg-dry	1	11/2/2023
Anthracene	0.059	0.045		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.12	0.045		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.45		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.12	0.045		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.11	0.045		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.099	0.045		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.099	0.045		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.1		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.23		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	11/2/2023
Chrysene	0.14	0.045		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.23		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.45		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.20	0.045		mg/Kg-dry	1	11/2/2023

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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-02 (8.5-10) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: TEM

IEPA ELAP 100445

Fluorene	ND	0.045		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.23		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.060	0.045		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.23		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	0.24	0.23		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.23		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.23		mg/Kg-dry	1	11/2/2023
Naphthalene	0.12	0.045		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.045		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.45		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.045		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.23		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.091		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.29	0.045		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.23		mg/Kg-dry	1	11/2/2023
Pyrene	0.24	0.045		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.91		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/1/2023      Analyst: MMR

IEPA ELAP 100445

Arsenic	8.9	1.2		mg/Kg-dry	10	11/2/2023
Barium	130	1.2		mg/Kg-dry	10	11/2/2023
Cadmium	1.6	0.58		mg/Kg-dry	10	11/2/2023
Chromium	24	1.2		mg/Kg-dry	10	11/2/2023
Lead	760	0.58		mg/Kg-dry	10	11/2/2023
Selenium	2.2	1.2		mg/Kg-dry	10	11/2/2023
Silver	ND	1.2		mg/Kg-dry	10	11/2/2023
Zinc	440	5.8		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003 Revision 0  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23101003-007

**Customer Sample ID:** SB-02 (8.5-10) / 103123  
**Collection Date:** 10/31/2023 9:30:00 AM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	1.3	0.045		mg/Kg-dry	2	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	6.66			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	27.2	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS		SW5035/8260B	Prep Date: 11/1/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>					
Acetone	ND	0.18		mg/Kg-dry	1 11/1/2023
Benzene	ND	0.012		mg/Kg-dry	1 11/1/2023
Bromodichloromethane	ND	0.012		mg/Kg-dry	1 11/1/2023
Bromoform	ND	0.012		mg/Kg-dry	1 11/1/2023
Bromomethane	ND	0.025		mg/Kg-dry	1 11/1/2023
2-Butanone	ND	0.18		mg/Kg-dry	1 11/1/2023
Carbon disulfide	ND	0.12		mg/Kg-dry	1 11/1/2023
Carbon tetrachloride	ND	0.012		mg/Kg-dry	1 11/1/2023
Chlorobenzene	ND	0.012		mg/Kg-dry	1 11/1/2023
Chloroethane	ND	0.025		mg/Kg-dry	1 11/1/2023
Chloroform	ND	0.012		mg/Kg-dry	1 11/1/2023
Chloromethane	ND	0.025		mg/Kg-dry	1 11/1/2023
Dibromochloromethane	ND	0.012		mg/Kg-dry	1 11/1/2023
1,1-Dichloroethane	ND	0.012		mg/Kg-dry	1 11/1/2023
1,2-Dichloroethane	ND	0.012		mg/Kg-dry	1 11/1/2023
1,1-Dichloroethene	ND	0.012		mg/Kg-dry	1 11/1/2023
cis-1,2-Dichloroethene	ND	0.012		mg/Kg-dry	1 11/1/2023
trans-1,2-Dichloroethene	ND	0.012		mg/Kg-dry	1 11/1/2023
1,2-Dichloropropane	ND	0.012		mg/Kg-dry	1 11/1/2023
cis-1,3-Dichloropropene	ND	0.0050		mg/Kg-dry	1 11/1/2023
trans-1,3-Dichloropropene	ND	0.0050		mg/Kg-dry	1 11/1/2023
Ethylbenzene	ND	0.012		mg/Kg-dry	1 11/1/2023
2-Hexanone	ND	0.050		mg/Kg-dry	1 11/1/2023
4-Methyl-2-pentanone	ND	0.050		mg/Kg-dry	1 11/1/2023
Methylene chloride	ND	0.025		mg/Kg-dry	1 11/1/2023
Methyl tert-butyl ether	ND	0.012		mg/Kg-dry	1 11/1/2023
Styrene	ND	0.012		mg/Kg-dry	1 11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.012		mg/Kg-dry	1 11/1/2023
Tetrachloroethene	ND	0.012		mg/Kg-dry	1 11/1/2023
Toluene	ND	0.012		mg/Kg-dry	1 11/1/2023
1,1,1-Trichloroethane	ND	0.012		mg/Kg-dry	1 11/1/2023
1,1,2-Trichloroethane	ND	0.012		mg/Kg-dry	1 11/1/2023
Trichloroethene	ND	0.012		mg/Kg-dry	1 11/1/2023
Vinyl chloride	ND	0.012		mg/Kg-dry	1 11/1/2023
Xylenes, Total	ND	0.038		mg/Kg-dry	1 11/1/2023

Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>					
Acenaphthene	ND	0.45		mg/Kg-dry	1 11/2/2023
Acenaphthylene	ND	0.45		mg/Kg-dry	1 11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	4.6		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.45		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.46	0.45		mg/Kg-dry	1	11/2/2023
Benzidine	ND	4.5		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.77	0.45		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.74	0.45		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.82	0.45		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.45		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	11		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	2.3		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	2.3		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	2.3		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	970	110		mg/Kg-dry	100	11/3/2023
4-Bromophenyl phenyl ether	ND	2.3		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	11		mg/Kg-dry	1	11/2/2023
Carbazole	ND	2.3		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	2.3		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	4.5		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	2.3		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	2.3		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	2.3		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	2.3		mg/Kg-dry	1	11/2/2023
Chrysene	0.63	0.45		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.45		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	2.3		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	2.3		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	2.3		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	2.3		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	2.3		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	2.3		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	11		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	11		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	2.3		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	11		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	4.5		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	11		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.45		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.45		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	11		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.88	0.45		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.45		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	2.3		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	2.3		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	2.3		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	2.3		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.45		mg/Kg-dry	1	11/2/2023
Isophorone	ND	2.3		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	2.3		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	2.3		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	2.3		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.45		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	2.3		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	2.3		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	2.3		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.45		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	2.3		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	4.5		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	2.3		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.45		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.45		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.45		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.45		mg/Kg-dry	1	11/2/2023
Phenol	ND	2.3		mg/Kg-dry	1	11/2/2023
Pyrene	0.80	0.45		mg/Kg-dry	1	11/2/2023
Pyridine	ND	9.2		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	2.3		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	2.3		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	2.3		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.11		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.11		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.11		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.11		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.11		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.11		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.11		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0022		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0022		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0022		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0022		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0022		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0022		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0022		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.022		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0022		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0022		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0022		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0022		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0022		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0022		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0022		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0022		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0022		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0022		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0022		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0022		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0022		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.046		mg/Kg-dry	1	11/1/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Aluminum	3400	26		mg/Kg-dry	10	11/2/2023
Antimony	ND	2.6		mg/Kg-dry	10	11/2/2023
Arsenic	3.5	1.3		mg/Kg-dry	10	11/2/2023
Barium	47	1.3		mg/Kg-dry	10	11/2/2023
Beryllium	ND	0.64		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.64		mg/Kg-dry	10	11/2/2023
Calcium	190000	77		mg/Kg-dry	10	11/2/2023
Chromium	15	1.3		mg/Kg-dry	10	11/2/2023
Cobalt	3.2	1.3		mg/Kg-dry	10	11/2/2023
Copper	59	3.2		mg/Kg-dry	10	11/2/2023
Iron	12000	39		mg/Kg-dry	10	11/2/2023
Lead	53	0.64		mg/Kg-dry	10	11/2/2023
Magnesium	99000	39		mg/Kg-dry	10	11/2/2023
Manganese	380	1.3		mg/Kg-dry	10	11/2/2023
Nickel	15	1.3		mg/Kg-dry	10	11/2/2023
Potassium	680	39		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-03 (0.5) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 10:40:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
Selenium	ND	1.3		mg/Kg-dry	10	11/2/2023
Silver	ND	1.3		mg/Kg-dry	10	11/2/2023
Sodium	220	77		mg/Kg-dry	10	11/2/2023
Thallium	ND	1.3		mg/Kg-dry	10	11/2/2023
Vanadium	20	1.3		mg/Kg-dry	10	11/2/2023
Zinc	170	6.4		mg/Kg-dry	10	11/2/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
Mercury	0.10	0.023		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
Cyanide	ND	0.70		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
pH	8.38			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	28.3	0.2	*	wt%	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-03 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 10:40:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-009	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS**      **SW5035/8260B**      Prep Date: 11/1/2023      Analyst: **ERP**

IEPA ELAP 100445

Acetone	ND	0.072		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0048		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0048		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.0096		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.072		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.048		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.0096		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0048		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.0096		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.019		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.0096		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0048		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.014		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: **TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.039		mg/Kg-dry	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.39		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.39		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	0.97		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	0.97		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/2/2023
Chrysene	0.051	0.039		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.20		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	0.97		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	0.97		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	0.97		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	0.97		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.084	0.039		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.039		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.061	0.039		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Pyrene	0.081	0.039		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.79		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS** **SW6020A (SW3050B)** **Prep Date: 11/1/2023** **Analyst: MMR**

IEPA ELAP 100445

Arsenic	8.1	1.1		mg/Kg-dry	10	11/2/2023
Barium	29	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.55		mg/Kg-dry	10	11/2/2023
Chromium	19	1.1		mg/Kg-dry	10	11/2/2023
Lead	36	0.55		mg/Kg-dry	10	11/2/2023
Selenium	1.3	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	70	5.5		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-03 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 10:40:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-009	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	ND	0.020		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	8.56			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	14.9	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: CBG**

IEPA ELAP 100445

Acetone	ND	0.12		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0078		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0078		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.016		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.12		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.078		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0078		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0078		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.016		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0078		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.016		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0078		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0078		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0078		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0031		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0031		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0078		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.031		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.031		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.016		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0078		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0078		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0078		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0078		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.023		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.039		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter  
 RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.40		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.39		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	0.99		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	0.99		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/2/2023
Chrysene	ND	0.039		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.20		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	0.99		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	0.99		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	0.99		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	0.99		mg/Kg-dry	1	11/2/2023
Fluoranthene	ND	0.039		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-03 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 10:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.039		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.045	0.039		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Pyrene	0.044	0.039		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.80		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS** **SW6020A (SW3050B)** **Prep Date: 11/1/2023** **Analyst: MMR**

IEPA ELAP 100445

Arsenic	12	1.0		mg/Kg-dry	10	11/1/2023
Barium	59	1.0		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.51		mg/Kg-dry	10	11/1/2023
Chromium	23	1.0		mg/Kg-dry	10	11/1/2023
Lead	27	0.51		mg/Kg-dry	10	11/1/2023
Selenium	ND	1.0		mg/Kg-dry	10	11/1/2023
Silver	ND	1.0		mg/Kg-dry	10	11/1/2023
Zinc	68	5.1		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-03 (4-6) / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023 10:40:00 AM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.030	0.020		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	8.29			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	16.6	0.2	*	wt%	1	11/2/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 11/1/2023		Analyst: <b>CBG</b>
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.12		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0082		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0082		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.016		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.12		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.082		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0082		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0082		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.016		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0082		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.016		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0082		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0082		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0082		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0033		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0033		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0082		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.033		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.033		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.016		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0082		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0082		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0082		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0082		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0082		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.024		mg/Kg-dry	1	11/1/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: <b>TEM</b>
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.039		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.039		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.40		mg/Kg-dry	1	11/2/2023
Anthracene	0.096	0.039		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.37	0.039		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.39		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.35	0.039		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.29	0.039		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.20	0.039		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.29	0.039		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	0.98		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	0.98		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/2/2023
Chrysene	0.38	0.039		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.20		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	0.98		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	0.98		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	0.98		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	0.98		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.59	0.039		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Fluorene	ND	0.039		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.16	0.039		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	0.20	0.20		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Naphthalene	0.077	0.039		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.039		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.48	0.039		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/2/2023
Pyrene	0.66	0.039		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.80		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

Aroclor 1016	ND	0.096		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.096		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.096		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.096		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.096		mg/Kg-dry	1	11/1/2023
Aroclor 1254	0.16	0.096		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.096		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>		<b>SW8081B (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: GVC
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0020		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0020		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0020		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.020		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0020		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0020		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0020		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0020		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0020		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0020		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0020		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0020		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0020		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.039		mg/Kg-dry	1	11/1/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/1/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Aluminum	13000	23		mg/Kg-dry	10	11/2/2023
Antimony	4.0	2.3		mg/Kg-dry	10	11/2/2023
Arsenic	8.5	1.1		mg/Kg-dry	10	11/2/2023
Barium	180	1.1		mg/Kg-dry	10	11/2/2023
Beryllium	2.6	0.56		mg/Kg-dry	10	11/2/2023
Cadmium	1.1	0.56		mg/Kg-dry	10	11/2/2023
Calcium	28000	68		mg/Kg-dry	10	11/2/2023
Chromium	21	1.1		mg/Kg-dry	10	11/2/2023
Cobalt	5.8	1.1		mg/Kg-dry	10	11/2/2023
Copper	500	2.8		mg/Kg-dry	10	11/2/2023
Iron	44000	34		mg/Kg-dry	10	11/2/2023
Lead	550	1.1		mg/Kg-dry	20	11/2/2023
Magnesium	1300	34		mg/Kg-dry	10	11/2/2023
Manganese	290	1.1		mg/Kg-dry	10	11/2/2023
Nickel	21	1.1		mg/Kg-dry	10	11/2/2023
Potassium	1500	34		mg/Kg-dry	10	11/2/2023

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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-04 (0.5) / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023 11:30:00 AM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
<i>IEPA ELAP 100445</i>						
Selenium	1.3	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Sodium	1200	68		mg/Kg-dry	10	11/2/2023
Thallium	ND	2.3		mg/Kg-dry	20	11/2/2023
Vanadium	43	1.1		mg/Kg-dry	10	11/2/2023
Zinc	300	5.6		mg/Kg-dry	10	11/2/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	0.83	0.041		mg/Kg-dry	2	11/2/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.61		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	7.18			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	18.0	0.2	*	wt%	1	11/2/2023

**Qualifiers:**

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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (3-5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 11/1/2023		Analyst: <b>CBG</b>
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.075		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0050		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0050		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.075		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.050		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0050		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0050		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/1/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: <b>TEM</b>
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.040		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.040		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-04 (3-5) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 11:30:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-012

Analyses Result RL Qualifier Units DF Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Aniline	ND	0.40		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.40		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/2/2023
Chrysene	ND	0.040		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Fluoranthene	ND	0.040		mg/Kg-dry	1	11/2/2023

Qualifiers: ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (3-5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.040		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.040		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.040		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Pyrene	0.042	0.040		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.81		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS** **SW6020A (SW3050B)** **Prep Date: 11/1/2023** **Analyst: MMR**

IEPA ELAP 100445

Arsenic	4.6	1.1		mg/Kg-dry	10	11/2/2023
Barium	63	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.57		mg/Kg-dry	10	11/2/2023
Chromium	28	1.1		mg/Kg-dry	10	11/2/2023
Lead	32	0.57		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	69	5.7		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (3-5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	ND	0.021		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.48			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	19.6	0.2	*	wt%	1	11/2/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: CBG**

IEPA ELAP 100445

Acetone	ND	0.16		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.011		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.011		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.021		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.16		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.11		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.011		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.011		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.021		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.011		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.021		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.011		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.011		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.011		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0043		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0043		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.011		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.043		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.043		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.021		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.011		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.011		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.011		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.011		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.011		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.011		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.032		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	0.59	0.041		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.041		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.41		mg/Kg-dry	1	11/2/2023
Anthracene	2.1	0.041		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	3.5	0.041		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.41		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	3.8	0.041		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	3.8	0.041		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	2.1	0.041		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	1.5	0.041		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Carbazole	0.73	0.21		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/2/2023
Chrysene	3.4	0.041		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	1.1	0.041		mg/Kg-dry	1	11/2/2023
Dibenzofuran	0.58	0.21		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Fluoranthene	7.0	0.20		mg/Kg-dry	5	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-04 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 11:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>				<b>Prep Date: 11/1/2023</b>		<b>Analyst: TEM</b>
<i>IEPA ELAP 100445</i>						
Fluorene	0.92	0.041		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	1.9	0.041		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	0.40	0.21		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Naphthalene	0.38	0.041		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.041		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	11/2/2023
Phenanthrene	6.5	0.20		mg/Kg-dry	5	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Pyrene	6.2	0.20		mg/Kg-dry	5	11/3/2023
Pyridine	ND	0.83		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>						
<b>SW6020A (SW3050B)</b>				<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Arsenic	8.5	1.2		mg/Kg-dry	10	11/2/2023
Barium	590	1.2		mg/Kg-dry	10	11/2/2023
Cadmium	0.88	0.58		mg/Kg-dry	10	11/2/2023
Chromium	13	1.2		mg/Kg-dry	10	11/2/2023
Lead	1200	0.58		mg/Kg-dry	10	11/2/2023
Selenium	1.3	1.2		mg/Kg-dry	10	11/2/2023
Silver	ND	1.2		mg/Kg-dry	10	11/2/2023
Zinc	240	5.8		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-04 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 11:30:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-013	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.024	0.021		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.38			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	19.4	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-05 (0.5) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 12:30:00 PM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/1/2023		Analyst: <b>CBG</b>
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.083		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0055		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0055		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.083		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.055		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0055		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.022		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0055		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/1/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: <b>TEM</b>
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.36		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.36		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.7		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.36		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.38	0.36		mg/Kg-dry	1	11/2/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.53	0.36		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.47	0.36		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.61	0.36		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.36		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	9.1		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	1.9		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	1.9		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	1.9		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	9.1		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	9.1		mg/Kg-dry	1	11/2/2023
Carbazole	ND	1.9		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	1.9		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	1.9		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	1.9		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.9		mg/Kg-dry	1	11/2/2023
Chrysene	0.40	0.36		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	1.9		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	1.9		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	1.9		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	9.1		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	9.1		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	1.9		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	9.1		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	9.1		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	9.1		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.78	0.36		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.36		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	1.9		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	1.9		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	1.9		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	1.9		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.36		mg/Kg-dry	1	11/2/2023
Isophorone	ND	1.9		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	1.9		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	1.9		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	1.9		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	1.9		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.36		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.36		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.36		mg/Kg-dry	1	11/2/2023
Phenol	ND	1.9		mg/Kg-dry	1	11/2/2023
Pyrene	0.68	0.36		mg/Kg-dry	1	11/2/2023
Pyridine	ND	7.4		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	1.9		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Aroclor 1016	ND	0.089		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.089		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.089		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.089		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.089		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.089		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.089		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**

*IEPA ELAP 100445*

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.018		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0018		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0018		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0018		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.036		mg/Kg-dry	1	11/1/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Aluminum	4700	19		mg/Kg-dry	10	11/2/2023
Antimony	ND	1.9		mg/Kg-dry	10	11/2/2023
Arsenic	3.8	0.94		mg/Kg-dry	10	11/2/2023
Barium	120	0.94		mg/Kg-dry	10	11/2/2023
Beryllium	1.2	0.47		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.47		mg/Kg-dry	10	11/2/2023
Calcium	59000	57		mg/Kg-dry	10	11/2/2023
Chromium	13	0.94		mg/Kg-dry	10	11/2/2023
Cobalt	3.9	0.94		mg/Kg-dry	10	11/2/2023
Copper	97	2.4		mg/Kg-dry	10	11/2/2023
Iron	18000	28		mg/Kg-dry	10	11/2/2023
Lead	34	0.47		mg/Kg-dry	10	11/2/2023
Magnesium	28000	28		mg/Kg-dry	10	11/2/2023
Manganese	190	0.94		mg/Kg-dry	10	11/2/2023
Nickel	24	0.94		mg/Kg-dry	10	11/2/2023
Potassium	890	28		mg/Kg-dry	10	11/2/2023

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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-05 (0.5) / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023 12:30:00 PM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
<i>IEPA ELAP 100445</i>						
Selenium	ND	0.94		mg/Kg-dry	10	11/2/2023
Silver	ND	0.94		mg/Kg-dry	10	11/2/2023
Sodium	760	57		mg/Kg-dry	10	11/2/2023
Thallium	ND	0.94		mg/Kg-dry	10	11/2/2023
Vanadium	23	0.94		mg/Kg-dry	10	11/2/2023
Zinc	64	4.7		mg/Kg-dry	10	11/2/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	0.047	0.019		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.56		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	8.37			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	11.0	0.2	*	wt%	1	11/2/2023

**Qualifiers:**

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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS		SW8260B		Prep Date: 11/1/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.081		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0053		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0053		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.081		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.053		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0053		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0053		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.016		mg/Kg-dry	1	11/1/2023

Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.041		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.041		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.41		mg/Kg-dry	1	11/2/2023
Anthracene	0.058	0.041		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.19	0.041		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.41		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.18	0.041		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.14	0.041		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.11	0.041		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.13	0.041		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/2/2023
Chrysene	0.18	0.041		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.36	0.041		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-05 (1-3) / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023 12:30:00 PM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: TEM

IEPA ELAP 100445

Fluorene	ND	0.041		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.075	0.041		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.041		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.041		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.19	0.041		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Pyrene	0.31	0.041		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.83		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS**

**SW6020A (SW3050B)**

Prep Date: 11/1/2023

Analyst: MMR

IEPA ELAP 100445

Arsenic	9.2	1.2		mg/Kg-dry	10	11/2/2023
Barium	82	1.2		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.58		mg/Kg-dry	10	11/2/2023
Chromium	25	1.2		mg/Kg-dry	10	11/2/2023
Lead	73	0.58		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.2		mg/Kg-dry	10	11/2/2023
Silver	ND	1.2		mg/Kg-dry	10	11/2/2023
Zinc	120	5.8		mg/Kg-dry	10	11/2/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-05 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 12:30:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-015	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/1/2023 Analyst: <b>JB2</b>
Mercury	0.049	0.022		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/1/2023 Analyst: <b>LJ1</b>
pH	8.01			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/1/2023 Analyst: <b>EPD</b>
	20.6	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/1/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.088		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0059		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.012		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.088		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.059		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0059		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0059		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0059		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0059		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.023		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0059		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0059		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/1/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.040		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.040		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.41		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.40		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/2/2023
Chrysene	ND	0.040		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/2/2023
Fluoranthene	ND	0.040		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-05 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 12:30:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.040		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.040		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.040		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/2/2023
Pyrene	ND	0.040		mg/Kg-dry	1	11/2/2023
Pyridine	ND	0.82		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/1/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	5.0	1.1		mg/Kg-dry	10	11/2/2023
Barium	32	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.57		mg/Kg-dry	10	11/2/2023
Chromium	22	1.1		mg/Kg-dry	10	11/2/2023
Lead	17	0.57		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	55	5.7		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-05 (4-6) / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023 12:30:00 PM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.034	0.021		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	8.22			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	18.4	0.2	*	wt%	1	11/2/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-02 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.093		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0063		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.012		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.093		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.063		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0063		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0063		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0063		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0063		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.025		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0063		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0063		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.019		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.36		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.36		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: DUP-02 / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-017

Analyses Result RL Qualifier Units DF Date Analyzed

Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Aniline	ND	3.6		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.36		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	0.48	0.36		mg/Kg-dry	1	11/2/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.69	0.36		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	0.53	0.36		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.77	0.36		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.63	0.36		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	9.0		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	9.0		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	9.0		mg/Kg-dry	1	11/2/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/2/2023
Chrysene	0.56	0.36		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	9.0		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	9.0		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	9.0		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	9.0		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	9.0		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.80	0.36		mg/Kg-dry	1	11/2/2023

Qualifiers: ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-02 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Fluorene	ND	0.36		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.36		mg/Kg-dry	1	11/2/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.36		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.36		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.36		mg/Kg-dry	1	11/2/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Pyrene	0.80	0.36		mg/Kg-dry	1	11/2/2023
Pyridine	ND	7.2		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

Aroclor 1016	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.086		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.086		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-02 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Pesticides	SW8081B (SW3550B)		Prep Date: 11/1/2023		Analyst: GVC	
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.018		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0018		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0018		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0018		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0018		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/1/2023

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 11/1/2023		Analyst: MMR	
<i>IEPA ELAP 100445</i>						
Aluminum	4800	20		mg/Kg-dry	10	11/2/2023
Antimony	ND	2.0		mg/Kg-dry	10	11/2/2023
Arsenic	4.3	1.0		mg/Kg-dry	10	11/2/2023
Barium	68	1.0		mg/Kg-dry	10	11/2/2023
Beryllium	ND	0.51		mg/Kg-dry	10	11/1/2023
Cadmium	0.77	0.51		mg/Kg-dry	10	11/2/2023
Calcium	120000	61		mg/Kg-dry	10	11/2/2023
Chromium	18	1.0		mg/Kg-dry	10	11/2/2023
Cobalt	4.5	1.0		mg/Kg-dry	10	11/2/2023
Copper	58	2.5		mg/Kg-dry	10	11/2/2023
Iron	13000	30		mg/Kg-dry	10	11/2/2023
Lead	130	0.51		mg/Kg-dry	10	11/2/2023
Magnesium	61000	30		mg/Kg-dry	10	11/2/2023
Manganese	290	1.0		mg/Kg-dry	10	11/2/2023
Nickel	14	1.0		mg/Kg-dry	10	11/2/2023
Potassium	960	30		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: DUP-02 / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
<i>IEPA ELAP 100445</i>						
Selenium	ND	1.0		mg/Kg-dry	10	11/2/2023
Silver	ND	1.0		mg/Kg-dry	10	11/2/2023
Sodium	160	61		mg/Kg-dry	10	11/2/2023
Thallium	ND	1.0		mg/Kg-dry	10	11/2/2023
Vanadium	21	1.0		mg/Kg-dry	10	11/2/2023
Zinc	230	5.1		mg/Kg-dry	10	11/2/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	0.27	0.018		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.55		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	8.66			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	8.8	0.2	*	wt%	1	11/2/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.058		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0039		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0039		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.058		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.039		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0039		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0039		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0039		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.0078		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0039		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0039		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0039		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0039		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.016		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.0078		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0039		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0039		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0039		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0039		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0039		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.012		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.34		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.34		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.34		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.34		mg/Kg-dry	1	11/2/2023
Benzidine	ND	3.4		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.35	0.34		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.34		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.79	0.34		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	ND	0.34		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	8.6		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	8.6		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	8.6		mg/Kg-dry	1	11/2/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	3.4		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/2/2023
Chrysene	ND	0.34		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.34		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	8.6		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	8.6		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	8.6		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	3.4		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	8.6		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	8.6		mg/Kg-dry	1	11/2/2023
Fluoranthene	ND	0.34		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Fluorene	ND	0.34		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	ND	0.34		mg/Kg-dry	1	11/2/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.34		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.34		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	3.4		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.34		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.34		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.34		mg/Kg-dry	1	11/2/2023
Phenanthrene	ND	0.34		mg/Kg-dry	1	11/2/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/2/2023
Pyrene	ND	0.34		mg/Kg-dry	1	11/2/2023
Pyridine	ND	7.0		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/2/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

Aroclor 1016	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.085		mg/Kg-dry	1	11/1/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/1/2023** **Analyst: GVC**  
 IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Pesticides	SW8081B (SW3550B)		Prep Date: 11/1/2023		Analyst: GVC	
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/1/2023

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 11/1/2023		Analyst: MMR	
<i>IEPA ELAP 100445</i>						
Aluminum	2000	18		mg/Kg-dry	10	11/2/2023
Antimony	ND	1.8		mg/Kg-dry	10	11/2/2023
Arsenic	1.7	0.90		mg/Kg-dry	10	11/2/2023
Barium	22	0.90		mg/Kg-dry	10	11/2/2023
Beryllium	ND	0.45		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.45		mg/Kg-dry	10	11/2/2023
Calcium	190000	54		mg/Kg-dry	10	11/2/2023
Chromium	49	0.90		mg/Kg-dry	10	11/2/2023
Cobalt	2.0	0.90		mg/Kg-dry	10	11/2/2023
Copper	7.3	2.3		mg/Kg-dry	10	11/2/2023
Iron	8500	27		mg/Kg-dry	10	11/2/2023
Lead	11	0.45		mg/Kg-dry	10	11/2/2023
Magnesium	92000	27		mg/Kg-dry	10	11/2/2023
Manganese	1200	0.90		mg/Kg-dry	10	11/2/2023
Nickel	7.4	0.90		mg/Kg-dry	10	11/2/2023
Potassium	460	27		mg/Kg-dry	10	11/2/2023

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Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: <b>MMR</b>
Selenium	ND	0.90		mg/Kg-dry	10	11/2/2023
Silver	ND	0.90		mg/Kg-dry	10	11/2/2023
Sodium	180	54		mg/Kg-dry	10	11/2/2023
Thallium	ND	0.90		mg/Kg-dry	10	11/2/2023
Vanadium	57	0.90		mg/Kg-dry	10	11/2/2023
Zinc	26	4.5		mg/Kg-dry	10	11/2/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	ND	0.018		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: <b>MD</b>
Cyanide	ND	0.53		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	8.99			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
Percent Moisture	5.4	0.2	*	wt%	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.074		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0051		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0051		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.074		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.051		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0051		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0051		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.051		mg/Kg-dry	1	11/2/2023
Acenaphthylene	ND	0.051		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.52		mg/Kg-dry	1	11/2/2023
Anthracene	ND	0.051		mg/Kg-dry	1	11/2/2023
Benz(a)anthracene	ND	0.051		mg/Kg-dry	1	11/2/2023
Benzidine	ND	0.51		mg/Kg-dry	1	11/2/2023
Benzo(a)pyrene	0.086	0.051		mg/Kg-dry	1	11/2/2023
Benzo(b)fluoranthene	ND	0.051		mg/Kg-dry	1	11/2/2023
Benzo(g,h,i)perylene	0.44	0.051		mg/Kg-dry	1	11/2/2023
Benzo(k)fluoranthene	0.051	0.051		mg/Kg-dry	1	11/2/2023
Benzoic acid	ND	1.3		mg/Kg-dry	1	11/2/2023
Benzyl alcohol	ND	0.26		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethoxy)methane	ND	0.26		mg/Kg-dry	1	11/2/2023
Bis(2-chloroethyl)ether	ND	0.26		mg/Kg-dry	1	11/2/2023
Bis(2-ethylhexyl)phthalate	ND	1.3		mg/Kg-dry	1	11/2/2023
4-Bromophenyl phenyl ether	ND	0.26		mg/Kg-dry	1	11/2/2023
Butyl benzyl phthalate	ND	1.3		mg/Kg-dry	1	11/2/2023
Carbazole	ND	0.26		mg/Kg-dry	1	11/2/2023
4-Chloroaniline	ND	0.26		mg/Kg-dry	1	11/2/2023
4-Chloro-3-methylphenol	ND	0.51		mg/Kg-dry	1	11/2/2023
2-Chloronaphthalene	ND	0.26		mg/Kg-dry	1	11/2/2023
2-Chlorophenol	ND	0.26		mg/Kg-dry	1	11/2/2023
4-Chlorophenyl phenyl ether	ND	0.26		mg/Kg-dry	1	11/2/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.26		mg/Kg-dry	1	11/2/2023
Chrysene	0.058	0.051		mg/Kg-dry	1	11/2/2023
Dibenz(a,h)anthracene	ND	0.051		mg/Kg-dry	1	11/2/2023
Dibenzofuran	ND	0.26		mg/Kg-dry	1	11/2/2023
1,2-Dichlorobenzene	ND	0.26		mg/Kg-dry	1	11/2/2023
1,3-Dichlorobenzene	ND	0.26		mg/Kg-dry	1	11/2/2023
1,4-Dichlorobenzene	ND	0.26		mg/Kg-dry	1	11/2/2023
3,3'-Dichlorobenzidine	ND	0.26		mg/Kg-dry	1	11/2/2023
2,4-Dichlorophenol	ND	0.26		mg/Kg-dry	1	11/2/2023
Diethyl phthalate	ND	1.3		mg/Kg-dry	1	11/2/2023
Dimethyl phthalate	ND	1.3		mg/Kg-dry	1	11/2/2023
2,4-Dimethylphenol	ND	0.26		mg/Kg-dry	1	11/2/2023
Di-n-butyl phthalate	ND	1.3		mg/Kg-dry	1	11/2/2023
4,6-Dinitro-2-methylphenol	ND	0.51		mg/Kg-dry	1	11/2/2023
2,4-Dinitrophenol	ND	1.3		mg/Kg-dry	1	11/2/2023
2,4-Dinitrotoluene	ND	0.051		mg/Kg-dry	1	11/2/2023
2,6-Dinitrotoluene	ND	0.051		mg/Kg-dry	1	11/2/2023
Di-n-octyl phthalate	ND	1.3		mg/Kg-dry	1	11/2/2023
Fluoranthene	0.087	0.051		mg/Kg-dry	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: TEM

<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.051		mg/Kg-dry	1	11/2/2023
Hexachlorobenzene	ND	0.26		mg/Kg-dry	1	11/2/2023
Hexachlorobutadiene	ND	0.26		mg/Kg-dry	1	11/2/2023
Hexachlorocyclopentadiene	ND	0.26		mg/Kg-dry	1	11/2/2023
Hexachloroethane	ND	0.26		mg/Kg-dry	1	11/2/2023
Indeno(1,2,3-cd)pyrene	0.062	0.051		mg/Kg-dry	1	11/2/2023
Isophorone	ND	0.26		mg/Kg-dry	1	11/2/2023
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	11/2/2023
2-Methylphenol	ND	0.26		mg/Kg-dry	1	11/2/2023
4-Methylphenol	ND	0.26		mg/Kg-dry	1	11/2/2023
Naphthalene	ND	0.051		mg/Kg-dry	1	11/2/2023
2-Nitroaniline	ND	0.26		mg/Kg-dry	1	11/2/2023
3-Nitroaniline	ND	0.26		mg/Kg-dry	1	11/2/2023
4-Nitroaniline	ND	0.26		mg/Kg-dry	1	11/2/2023
Nitrobenzene	ND	0.051		mg/Kg-dry	1	11/2/2023
2-Nitrophenol	ND	0.26		mg/Kg-dry	1	11/2/2023
4-Nitrophenol	ND	0.51		mg/Kg-dry	1	11/2/2023
N-Nitrosodimethylamine	ND	0.26		mg/Kg-dry	1	11/2/2023
N-Nitrosodi-n-propylamine	ND	0.051		mg/Kg-dry	1	11/2/2023
N-Nitrosodiphenylamine	ND	0.26		mg/Kg-dry	1	11/2/2023
Pentachlorophenol	ND	0.10		mg/Kg-dry	1	11/2/2023
Phenanthrene	0.087	0.051		mg/Kg-dry	1	11/2/2023
Phenol	ND	0.26		mg/Kg-dry	1	11/2/2023
Pyrene	0.15	0.051		mg/Kg-dry	1	11/2/2023
Pyridine	ND	1.0		mg/Kg-dry	1	11/2/2023
1,2,4-Trichlorobenzene	ND	0.26		mg/Kg-dry	1	11/2/2023
2,4,5-Trichlorophenol	ND	0.26		mg/Kg-dry	1	11/2/2023
2,4,6-Trichlorophenol	ND	0.26		mg/Kg-dry	1	11/2/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/1/2023      Analyst: MMR

<i>IEPA ELAP 100445</i>						
Arsenic	7.8	1.4		mg/Kg-dry	10	11/1/2023
Barium	150	1.4		mg/Kg-dry	10	11/1/2023
Cadmium	0.81	0.71		mg/Kg-dry	10	11/1/2023
Chromium	29	1.4		mg/Kg-dry	10	11/1/2023
Lead	130	0.71		mg/Kg-dry	10	11/1/2023
Selenium	ND	1.4		mg/Kg-dry	10	11/1/2023
Silver	ND	1.4		mg/Kg-dry	10	11/1/2023
Zinc	120	7.1		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-06 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 1:15:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-019	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.062	0.027		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.28			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	36.8	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.079		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0052		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0052		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.079		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.052		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0052		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0052		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.016		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.40		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.40		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.040		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-06 (4-6) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 1:15:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>				<b>Prep Date: 11/1/2023</b>		<b>Analyst: TEM</b>
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.040		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.81		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>						
<b>SW6020A (SW3050B)</b>				<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Arsenic	4.1	1.2		mg/Kg-dry	10	11/1/2023
Barium	78	1.2		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.62		mg/Kg-dry	10	11/1/2023
Chromium	29	1.2		mg/Kg-dry	10	11/1/2023
Lead	22	0.62		mg/Kg-dry	10	11/1/2023
Selenium	ND	1.2		mg/Kg-dry	10	11/1/2023
Silver	ND	1.2		mg/Kg-dry	10	11/1/2023
Zinc	69	6.2		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-06 (4-6) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 1:15:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-020	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.030	0.021		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.50			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	19.4	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.068		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0046		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0046		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.0090		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.068		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.046		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.0090		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0046		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.0090		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.018		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.0090		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0046		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.014		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.34		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.34		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.4		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.77	0.34		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.63	0.34		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.78	0.34		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.40	0.34		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.6		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.4		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.34		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.4		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.34		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: **TEM**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.34		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.47	0.34		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.34		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.34		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.4		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.34		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.34		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.34		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.34		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	0.42	0.34		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.0		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs**      **SW8082A (SW3550B)**      Prep Date: 11/1/2023      Analyst: **GVC**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Aroclor 1016	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1221	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1232	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1242	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1248	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1254	ND	0.085		mg/Kg-dry	1	11/1/2023
Aroclor 1260	ND	0.085		mg/Kg-dry	1	11/1/2023

**Pesticides**      **SW8081B (SW3550B)**      Prep Date: 11/1/2023      Analyst: **GVC**

*IEPA ELAP 100445*

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (0.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/1/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/1/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/1/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/1/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/1/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/1/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/1/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/1/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/1/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/1/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/1/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/1/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/1/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Aluminum	2600	18		mg/Kg-dry	10	11/1/2023
Antimony	ND	1.8		mg/Kg-dry	10	11/1/2023
Arsenic	6.1	0.89		mg/Kg-dry	10	11/1/2023
Barium	49	0.89		mg/Kg-dry	10	11/1/2023
Beryllium	ND	0.45		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.45		mg/Kg-dry	10	11/1/2023
Calcium	180000	53		mg/Kg-dry	10	11/1/2023
Chromium	12	0.89		mg/Kg-dry	10	11/1/2023
Cobalt	2.3	0.89		mg/Kg-dry	10	11/1/2023
Copper	14	2.2		mg/Kg-dry	10	11/1/2023
Iron	7200	27		mg/Kg-dry	10	11/1/2023
Lead	33	0.45		mg/Kg-dry	10	11/1/2023
Magnesium	91000	27		mg/Kg-dry	10	11/1/2023
Manganese	310	0.89		mg/Kg-dry	10	11/1/2023
Nickel	9.9	0.89		mg/Kg-dry	10	11/1/2023
Potassium	620	27		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-07 (0.5) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 2:10:00 PM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/1/2023	Analyst: MMR
<i>IEPA ELAP 100445</i>						
Selenium	ND	0.89		mg/Kg-dry	10	11/1/2023
Silver	ND	0.89		mg/Kg-dry	10	11/1/2023
Sodium	170	53		mg/Kg-dry	10	11/1/2023
Thallium	ND	0.89		mg/Kg-dry	10	11/1/2023
Vanadium	21	0.89		mg/Kg-dry	10	11/1/2023
Zinc	90	4.5		mg/Kg-dry	10	11/1/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	0.021	0.019		mg/Kg-dry	1	11/2/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/1/2023	Analyst: MD
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.53		mg/Kg-dry	1	11/1/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	8.83			pH Units	1	11/1/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: EPD
Percent Moisture	5.8	0.2	*	wt%	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-07 (1-3) / 103123  
 Work Order: 23101003 Revision 0 Collection Date: 10/31/2023 2:10:00 PM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23101003-022

**Analyses Result RL Qualifier Units DF Date Analyzed**

**Volatile Organic Compounds by GC/MS SW5035/8260B Prep Date: 11/1/2023 Analyst: ERP**

IEPA ELAP 100445

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Acetone	ND	0.10		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0066		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0066		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.013		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.10		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.066		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0066		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0066		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.013		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0066		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.013		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0066		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0066		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0066		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.027		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.027		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.013		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0066		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0066		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0066		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0066		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0066		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.020		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM**

IEPA ELAP 100445

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Acenaphthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 HT - Sample received past holding time E - Value above quantitation range  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.40		mg/Kg-dry	1	11/3/2023
Anthracene	0.052	0.040		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.30	0.040		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.40		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.31	0.040		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.28	0.040		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.21	0.040		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.28	0.040		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/3/2023
Chrysene	0.29	0.040		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	0.12	0.040		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.49	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.040		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.18	0.040		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.19	0.040		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Pyrene	0.44	0.040		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.81		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/1/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	140	1.0		mg/Kg-dry	10	11/1/2023
Barium	66	1.0		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.51		mg/Kg-dry	10	11/1/2023
Chromium	27	1.0		mg/Kg-dry	10	11/1/2023
Lead	49	0.51		mg/Kg-dry	10	11/1/2023
Selenium	ND	1.0		mg/Kg-dry	10	11/1/2023
Silver	ND	1.0		mg/Kg-dry	10	11/1/2023
Zinc	61	5.1		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003 Revision 0  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23101003-022

**Customer Sample ID:** SB-07 (1-3) / 103123  
**Collection Date:** 10/31/2023 2:10:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.11	0.021		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	8.43			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	18.2	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (3-5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS		SW8260B		Prep Date: 11/1/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.089		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0059		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.012		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.089		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.059		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0059		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0059		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.012		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0059		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0059		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.023		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0059		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0059		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0059		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0059		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.018		mg/Kg-dry	1	11/1/2023

Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Acenaphthene	0.35	0.045		mg/Kg-dry	1	11/3/2023
Acenaphthylene	1.0	0.045		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (3-5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.45		mg/Kg-dry	1	11/3/2023
Anthracene	2.1	0.045		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	5.3	0.045		mg/Kg-dry	1	11/3/2023
Benzydine	ND	0.45		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	7.6	0.22		mg/Kg-dry	5	11/3/2023
Benzo(b)fluoranthene	5.5	0.045		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	6.3	0.22		mg/Kg-dry	5	11/3/2023
Benzo(k)fluoranthene	4.2	0.045		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.1		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Carbazole	0.44	0.23		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	11/3/2023
Chrysene	5.2	0.045		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	1.9	0.045		mg/Kg-dry	1	11/3/2023
Dibenzofuran	0.61	0.23		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.45		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Fluoranthene	9.7	0.22		mg/Kg-dry	5	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 08, 2023  
 Date Printed: November 08, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-07 (3-5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 2:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/1/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	0.73	0.045		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.23		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	4.5	0.045		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	0.51	0.23		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Naphthalene	0.66	0.045		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.045		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.45		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.045		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.23		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.091		mg/Kg-dry	1	11/3/2023
Phenanthrene	8.5	0.22		mg/Kg-dry	5	11/3/2023
Phenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Pyrene	11	0.22		mg/Kg-dry	5	11/3/2023
Pyridine	ND	0.91		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/1/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	110	1.1		mg/Kg-dry	10	11/2/2023
Barium	150	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	1.1	0.57		mg/Kg-dry	10	11/2/2023
Chromium	30	1.1		mg/Kg-dry	10	11/2/2023
Lead	750	0.57		mg/Kg-dry	10	11/2/2023
Selenium	1.4	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	290	5.7		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
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Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003 Revision 0  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23101003-023

**Customer Sample ID:** SB-07 (3-5) / 103123  
**Collection Date:** 10/31/2023 2:10:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.86	0.048		mg/Kg-dry	2	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.04			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	26.6	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-003 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.096		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0063		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.013		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.096		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.063		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0063		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.013		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0063		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.013		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0063		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0063		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.025		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.013		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0063		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0063		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0063		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0063		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.019		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	0.083	0.041		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.041		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-003 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.42		mg/Kg-dry	1	11/3/2023
Anthracene	0.23	0.041		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.78	0.041		mg/Kg-dry	1	11/3/2023
Benzdine	ND	0.41		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.84	0.041		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.75	0.041		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.50	0.041		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.54	0.041		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/3/2023
Chrysene	0.72	0.041		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	0.25	0.041		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	1.5	0.041		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-003 / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/1/2023      Analyst: TEM

IEPA ELAP 100445

Fluorene	0.049	0.041		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.48	0.041		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.041		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.041		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.084		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.70	0.041		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Pyrene	1.4	0.041		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.84		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/1/2023      Analyst: MMR

IEPA ELAP 100445

Arsenic	120	1.0		mg/Kg-dry	10	11/1/2023
Barium	62	1.0		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.52		mg/Kg-dry	10	11/1/2023
Chromium	25	1.0		mg/Kg-dry	10	11/1/2023
Lead	24	0.52		mg/Kg-dry	10	11/1/2023
Selenium	ND	1.0		mg/Kg-dry	10	11/1/2023
Silver	ND	1.0		mg/Kg-dry	10	11/1/2023
Zinc	56	5.2		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: DUP-003 / 103123

Work Order: 23101003 Revision 0

Collection Date: 10/31/2023

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23101003-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.084	0.023		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.93			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	20.6	0.2	*	wt%	1	11/2/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-08 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 4:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.11		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0070		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0070		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.014		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.11		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.070		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0070		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0070		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.014		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0070		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.014		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0070		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0070		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0070		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0070		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.028		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.014		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0070		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0070		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0070		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0070		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0070		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.021		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	0.053	0.036		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.036		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-08 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 4:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.36		mg/Kg-dry	1	11/3/2023
Anthracene	0.35	0.036		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	2.7	0.036		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.36		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	2.8	0.036		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	2.7	0.036		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	1.7	0.036		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	2.0	0.036		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	0.91		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	0.91		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	11/3/2023
Chrysene	2.5	0.036		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	0.93	0.036		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.19		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	0.91		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	0.91		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	0.91		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	0.91		mg/Kg-dry	1	11/3/2023
Fluoranthene	4.3	0.18		mg/Kg-dry	5	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-08 (1-3) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 4:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	0.061	0.036		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.19		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	1.5	0.036		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.036		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.036		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	11/3/2023
Phenanthrene	1.1	0.036		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Pyrene	4.1	0.036		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.73		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS** **SW6020A (SW3050B)** **Prep Date: 11/1/2023** **Analyst: MMR**

IEPA ELAP 100445

Arsenic	5.0	0.94		mg/Kg-dry	10	11/1/2023
Barium	25	0.94		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.48		mg/Kg-dry	10	11/1/2023
Chromium	20	0.94		mg/Kg-dry	10	11/1/2023
Lead	47	0.48		mg/Kg-dry	10	11/1/2023
Selenium	ND	0.94		mg/Kg-dry	10	11/1/2023
Silver	ND	0.94		mg/Kg-dry	10	11/1/2023
Zinc	49	4.8		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-08 (1-3) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 4:00:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-025	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.032	0.019		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	9.16			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	9.9	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-08 (5-7.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 4:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW5035/8260B** **Prep Date: 11/1/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.12		mg/Kg-dry	1	11/1/2023
Benzene	ND	0.0083		mg/Kg-dry	1	11/1/2023
Bromodichloromethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
Bromoform	ND	0.0083		mg/Kg-dry	1	11/1/2023
Bromomethane	ND	0.017		mg/Kg-dry	1	11/1/2023
2-Butanone	ND	0.12		mg/Kg-dry	1	11/1/2023
Carbon disulfide	ND	0.083		mg/Kg-dry	1	11/1/2023
Carbon tetrachloride	ND	0.0083		mg/Kg-dry	1	11/1/2023
Chlorobenzene	ND	0.0083		mg/Kg-dry	1	11/1/2023
Chloroethane	ND	0.017		mg/Kg-dry	1	11/1/2023
Chloroform	ND	0.0083		mg/Kg-dry	1	11/1/2023
Chloromethane	ND	0.017		mg/Kg-dry	1	11/1/2023
Dibromochloromethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,2-Dichloroethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,1-Dichloroethene	ND	0.0083		mg/Kg-dry	1	11/1/2023
cis-1,2-Dichloroethene	ND	0.0083		mg/Kg-dry	1	11/1/2023
trans-1,2-Dichloroethene	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,2-Dichloropropane	ND	0.0083		mg/Kg-dry	1	11/1/2023
cis-1,3-Dichloropropene	ND	0.0034		mg/Kg-dry	1	11/1/2023
trans-1,3-Dichloropropene	ND	0.0034		mg/Kg-dry	1	11/1/2023
Ethylbenzene	ND	0.0083		mg/Kg-dry	1	11/1/2023
2-Hexanone	ND	0.034		mg/Kg-dry	1	11/1/2023
4-Methyl-2-pentanone	ND	0.034		mg/Kg-dry	1	11/1/2023
Methylene chloride	ND	0.017		mg/Kg-dry	1	11/1/2023
Methyl tert-butyl ether	ND	0.0083		mg/Kg-dry	1	11/1/2023
Styrene	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,1,2,2-Tetrachloroethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
Tetrachloroethene	ND	0.0083		mg/Kg-dry	1	11/1/2023
Toluene	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,1,1-Trichloroethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
1,1,2-Trichloroethane	ND	0.0083		mg/Kg-dry	1	11/1/2023
Trichloroethene	ND	0.0083		mg/Kg-dry	1	11/1/2023
Vinyl chloride	ND	0.0083		mg/Kg-dry	1	11/1/2023
Xylenes, Total	ND	0.025		mg/Kg-dry	1	11/1/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/1/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.039		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.039		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-08 (5-7.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 4:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/1/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.39		mg/Kg-dry	1	11/3/2023
Anthracene	0.042	0.039		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.16	0.039		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.39		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.14	0.039		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.16	0.039		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.072	0.039		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.085	0.039		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	0.98		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	0.98		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/3/2023
Chrysene	0.17	0.039		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.20		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	0.98		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	0.98		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	0.98		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	0.98		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.37	0.039		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 08, 2023

## Analytical Results

Date Printed: November 08, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-08 (5-7.5) / 103123  
**Work Order:** 23101003 Revision 0 **Collection Date:** 10/31/2023 4:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23101003-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>				<b>Prep Date: 11/1/2023</b>		<b>Analyst: TEM</b>
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.039		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.074	0.039		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Naphthalene	0.043	0.039		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.039		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.079		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.27	0.039		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Pyrene	0.31	0.039		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.79		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>						
<b>SW6020A (SW3050B)</b>				<b>Prep Date: 11/1/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Arsenic	4.3	1.2		mg/Kg-dry	10	11/1/2023
Barium	78	1.2		mg/Kg-dry	10	11/1/2023
Cadmium	ND	0.59		mg/Kg-dry	10	11/1/2023
Chromium	24	1.2		mg/Kg-dry	10	11/1/2023
Lead	16	0.59		mg/Kg-dry	10	11/1/2023
Selenium	ND	1.2		mg/Kg-dry	10	11/1/2023
Silver	ND	1.2		mg/Kg-dry	10	11/1/2023
Zinc	35	5.9		mg/Kg-dry	10	11/1/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Date Reported:** November 08, 2023  
**Date Printed:** November 08, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-08 (5-7.5) / 103123
<b>Work Order:</b> 23101003 Revision 0	<b>Collection Date:</b> 10/31/2023 4:00:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23101003-026	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/1/2023	Analyst: <b>JB2</b>
Mercury	0.030	0.021		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/1/2023	Analyst: <b>LJ1</b>
pH	7.11			pH Units	1	11/1/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/1/2023	Analyst: <b>EPD</b>
	16.7	0.2	*	wt%	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

CHAIN OF CUSTODY RECORD

Company: Terracon Consultants  
 Project Number: A2237020 Client Tracking No.:  
 Project Name: ALS Chicago  
 Project Location: 3710 S. California  
 Sampler(s): J. Petralia  
 Report To: Rich O'Brien Phone: 312-443-2958  
 QC Level: 1 2 3 4 Fax:  
 e-mail: rmobrien@terracon.com

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
SB-01 (0.5)/103123	10/31	0830	S						001
SB-01 (1-3)		0870							002
SB-01 (7.5-10)		0870							003
DUP-001		-							004
SB-02 (0.5)		0930							005
SB-02 (1-3)		0930							006
SB-02 (8.5-10)		0930							007
SB-03 (0.5)		1040							008
SB-03 (1-3)		1040							009
SB-03 (4-6)		1040							010
SB-04 (0.5)		1130							011
SB-04 (1-3)		1130							012
SB-05 (0.5)		1230							013
SB-05 (1-3)		1230							014
SB-05 (4-6)		1230							015
DUP-002		-							016
SB-06 (0.5)		1315							017
SB-06 (1-3)		1315							018
SB-06 (4-6)		1315							019

Comments:  
 TLL, pH  
 VOCs  
 SVOCs  
 (Hold) TCLP RCRA Metals + Zinc  
 RCRA Metals + Zinc  
 Laboratory Work Order No.: 23101003  
 Received on Ice: Yes  No   
 Temperature: 2.0 °C  
 Relinquished by: (Signature) Jan Petralia Date/Time: 10/31 1700  
 Received by: (Signature) Date/Time: 10/31/23 1700  
 Relinquished by: (Signature) Date/Time:  
 Received by: (Signature) Date/Time:  
 Relinquished by: (Signature) Date/Time:  
 Received by: (Signature) Date/Time:

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other





2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551  
 509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663  
 info@thesterlinglab.com

CHAIN OF CUSTODY RECORD

Company: Terracon Consultants  
 Project Number: A2237020  
 Project Name: AIS Chicago  
 Project Location: 3210 S. California  
 Sampler(s): S. Petralia  
 Report To: Rich O'Brien Phone: 312-443-2958  
 Fax: \_\_\_\_\_  
 e-mail: rmobrien@terracon.com

QC Level:	1	2	3	4	Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
					SB-07 (0.5) / 103123	10/31	1410	S				
					SB-07(1-3)		1410					
					SB-07(3-5)		1410					
					DUP-003		-					
					SB-08(1-3)		1600					
					SB-08(5-7.5)		1600					
					TB-001		-					

Remarks	Lab No.:
	021
	022
	023
	024
	025
	026

P.O. No.: \_\_\_\_\_  
 Quote No.: \_\_\_\_\_  
 Turn Around Time (Days):  
 1 2 3 4 5-7 10  
 Results Needed:  
 / / / am/pm

Relinquished by: (Signature) See Pdf Date/Time: 10/31 1700  
 Received by: (Signature) APL Date/Time: 10/31/23 1700  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Laboratory Work Order No.: 23101003  
 Received on Ice: Yes  No   
 Temperature: 2.0 °C



### Sample Receipt Checklist

Customer: **TERRACON-CHICAGO**

Date and Time Received: **10/31/2023 5:00:00 PM**

Work Order Number **23101003**

Received by: **CC**

Checklist completed by: [Signature] 10/31/2023  
Signature Date

Reviewed by: [Signature] 10/31/2023  
Initials Date

Matrix: Carrier name Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature **2.0 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

Comments: Inadequate sample received to perform MS/MSD for all indicated parameters for samples SB-04(1-3)/103123 and SB-06(1-3)/103123

Customer / Person contacted: RICH O'BLEEN Date contacted: 11/01/2023 Contacted by: AL VERBAL

Response: \_\_\_\_\_

## COC 1031-Soil Samples

O'Brien, Richard M <Rich.O'Brien@terracon.com>

Wed 11/1/2023 4:54 PM

To: Craig Chawla <cchawla@TheSterlingLab.com>

Cc: Swenson, Steve R <steves@st-ma.com>

📎 1 attachments (165 KB)

COC 1031-Soil.pdf;

Hi Craig,

Regarding COC 100313 we submitted 10/31, please add pH to each soil sample analyzed.

Thanks,

Richard O'Brien, P.E.

Senior Environmental Engineer



650 West Lake Street, Suite 420 | Chicago, IL 60661

D (312) 489-5501 O: (312) 575-0014 | C [REDACTED]

[rmobrien@terracon.com](mailto:rmobrien@terracon.com) | [terracon.com](http://terracon.com)

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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*Private and confidential as detailed here ([www.terracon.com/disclaimer](http://www.terracon.com/disclaimer)). If you cannot access the hyperlink, please e-mail sender.*



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW5035/8260B **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK103123-4A	101	100	101	97.6				
VLCS103123-4A	98.9	100	97.0	101				
VLCS103123-4A	99.1	99.2	98.5	98.3				
23101003-001A	90.1	99.4	97.4	110				
23101003-002A	87.3	97.8	102	114				
23101003-003A	94.5	99.0	99.8	115				
23101003-005A	90.8	97.7	106	115				
23101003-006A	88.6	101	103	114				
23101003-007A	94.3	98.9	94.5	106				
23101003-010A	103	101	101	113				
23101003-011A	87.5	97.9	98.9	104				
23101003-012A	100	101	103	117				
23101003-013A	91.5	99.9	100	111				
23101003-017A	110	94.3	100	116				
23101003-018A	119	98.5	97.4	116				
23101003-019A	118	98.3	99.1	116				
23101003-020A	120	93.7	96.7	115				
23101003-022A	87.8	86.2	104	116				
23101003-024A	86.7	90.6	100	126				
23101003-025A	92.5	106	103	118				
23101003-026A	93.4	96.0	98.8	119				
23101003-008A	113	101	101	119				
23101003-009A	111	96.8	107	120				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

\* Surrogate recovery outside acceptance limits



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8260B **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK110123-4	105	97.8	97.1	93.6				
VLCS110123-4	103	102	95.9	98.7				
VLCS110123-4	103	99.9	98.7	99.5				
23101003-004B	98.5	102	102	106				
23101003-014B	96.1	98.2	94.7	97.7				
VBLK110123-7	111	95.1	91.8	89.4				
VLCS110123-7	128 *	99.6	88.4	96.3				
VLCS110123-7	137 *	98.4	88.8	103				
23101003-015B	118	97.0	96.3	103				
23101003-016B	108	95.6	93.6	105				
23101003-021B	113	94.9	91.8	107				
23101003-023B	103	98.7	97.8	105				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

\* Surrogate recovery outside acceptance limits

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203148**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5977223	BFB103123-4A	TUNE	BFB	R203148	1	10/31/2023 16:28
5977224	VSTD050	CCV	VOC_ENCORE+	R203148	1	10/31/2023 16:59
5977225	VBLK103123-4A	MBLK	VOC_ENCORE+	R203148	1	10/31/2023 17:33
5977226	VLCS103123-4A	LCS	VOC_ENCORE+	R203148	1	10/31/2023 18:07
5977229	VLCS103123-4A	LCSD	VOC_ENCORE+	R203148	1	10/31/2023 18:37
5977289	23100872-019A	SAMP	VOC_5035	154077	1	10/31/2023 19:53
5977306	23100872-010A	SAMP	VOC_5035	154077	1	10/31/2023 20:27
5977307	23100861-001A	SAMP	VOC_5035	154077	1	10/31/2023 21:00
5977330	23101003-001A	SAMP	VOC_5035	154100	1	10/31/2023 21:34
5977331	23101003-002A	SAMP	VOC_5035	154100	1	10/31/2023 22:07
5977332	23101003-003A	SAMP	VOC_5035	154100	1	10/31/2023 22:41
5977333	23101003-004A	SAMP	VOC_5035	154100	1	10/31/2023 23:14
5977356	23100955-001A	SAMP	BTEX_5035	154023	50	10/31/2023 23:48
5977359	23100955-002A	SAMP	BTEX_5035	154023	50	11/01/2023 00:21
5977360	23100930-001A	SAMP	BTEX_ENCORE	154055	50	11/01/2023 00:55
5977361	23100930-002A	SAMP	BTEX_ENCORE	154055	50	11/01/2023 01:28
5977362	23100930-003A	SAMP	BTEX_ENCORE	154055	50	11/01/2023 02:02
5977363	23100930-004A	SAMP	BTEX_ENCORE	154055	50	11/01/2023 02:35
5977364	23100930-005A	SAMP	BTEX_ENCORE	154055	1	11/01/2023 03:09
5977365	23100930-006A	SAMP	BTEX_ENCORE	154055	50	11/01/2023 03:42

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
VBLK103123-4A	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		10/31/2023	VOA-4_231031B	5977225				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	ND	0.075
Benzene	ND	0.0050
Bromodichloromethane	ND	0.0050
Bromoform	ND	0.0050
Bromomethane	ND	0.010
2-Butanone	ND	0.075
Carbon disulfide	ND	0.050
Carbon tetrachloride	ND	0.0050
Chlorobenzene	ND	0.0050
Chloroethane	ND	0.010
Chloroform	ND	0.0050
Chloromethane	ND	0.010
Dibromochloromethane	ND	0.0050
1,1-Dichloroethane	ND	0.0050
1,2-Dichloroethane	ND	0.0050
1,1-Dichloroethene	ND	0.0050
cis-1,2-Dichloroethene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
1,2-Dichloropropane	ND	0.0050
cis-1,3-Dichloropropene	ND	0.0020
trans-1,3-Dichloropropene	ND	0.0020
Ethylbenzene	ND	0.0050
2-Hexanone	ND	0.020

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203148**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLBK103123-4A</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>10/31/2023</b>	<b>VOA-4_231031B</b>	<b>5977225</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Methyl-2-pentanone	ND	0.020									
Methylene chloride	0.00834	0.010									J
Methyl tert-butyl ether	ND	0.0050									
Styrene	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
1,1,1-Trichloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS103123-4A</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>10/31/2023</b>	<b>VOA-4_231031B</b>	<b>5977226</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.0789	0.075	0.1	0	78.9	50	150	0	0		
Benzene	0.05507	0.0050	0.05	0	110	70	130	0	0		
Bromodichloromethane	0.05475	0.0050	0.05	0	110	70	130	0	0		
Bromoform	0.05155	0.0050	0.05	0	103	70	130	0	0		
Bromomethane	0.04185	0.010	0.05	0	83.7	50	150	0	0		
2-Butanone	0.09633	0.075	0.1	0	96.3	50	150	0	0		
Carbon disulfide	0.1046	0.050	0.1	0	105	70	130	0	0		
Carbon tetrachloride	0.05356	0.0050	0.05	0	107	70	130	0	0		
Chlorobenzene	0.05658	0.0050	0.05	0	113	70	130	0	0		
Chloroethane	0.04655	0.010	0.05	0	93.1	70	130	0	0		
Chloroform	0.0553	0.0050	0.05	0	111	70	130	0	0		
Chloromethane	0.04595	0.010	0.05	0	91.9	70	130	0	0		
Dibromochloromethane	0.0526	0.0050	0.05	0	105	70	130	0	0		
1,1-Dichloroethane	0.05286	0.0050	0.05	0	106	70	130	0	0		
1,2-Dichloroethane	0.05408	0.0050	0.05	0	108	70	130	0	0		
1,1-Dichloroethene	0.05468	0.0050	0.05	0	109	70	130	0	0		
cis-1,2-Dichloroethene	0.05236	0.0050	0.05	0	105	70	130	0	0		
trans-1,2-Dichloroethene	0.05637	0.0050	0.05	0	113	70	130	0	0		
1,2-Dichloropropane	0.05303	0.0050	0.05	0	106	70	130	0	0		
cis-1,3-Dichloropropene	0.1028	0.0020	0.1	0	103	70	130	0	0		
trans-1,3-Dichloropropene	0.1092	0.0020	0.1	0	109	70	130	0	0		
Ethylbenzene	0.05655	0.0050	0.05	0	113	70	130	0	0		
2-Hexanone	0.0817	0.020	0.1	0	81.7	50	150	0	0		
4-Methyl-2-pentanone	0.08592	0.020	0.1	0	85.9	50	150	0	0		
Methylene chloride	0.05367	0.010	0.05	0.00834	90.7	70	130	0	0		
Methyl tert-butyl ether	0.05752	0.0050	0.05	0	115	70	130	0	0		
Styrene	0.05533	0.0050	0.05	0	111	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04805	0.0050	0.05	0	96.1	70	130	0	0		
Tetrachloroethene	0.05839	0.0050	0.05	0	117	70	130	0	0		
Toluene	0.05755	0.0050	0.05	0	115	70	130	0	0		
1,1,1-Trichloroethane	0.05289	0.0050	0.05	0	106	70	130	0	0		
1,1,2-Trichloroethane	0.05518	0.0050	0.05	0	110	70	130	0	0		
Trichloroethene	0.05449	0.0050	0.05	0	109	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203148**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS103123-4A	ZZZZZ	LCS	mg/Kg	SW5035/8260B		10/31/2023	VOA-4_231031B	5977226			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.04866	0.0050	0.05	0	97.3	70	130	0	0		
Xylenes, Total	0.164	0.015	0.15	0	109	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS103123-4A	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		10/31/2023	VOA-4_231031B	5977229			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.08172	0.075	0.1	0	81.7	50	150	0.0789	3.51	20	
Benzene	0.05427	0.0050	0.05	0	109	70	130	0.05507	1.46	20	
Bromodichloromethane	0.05397	0.0050	0.05	0	108	70	130	0.05475	1.43	20	
Bromoform	0.04898	0.0050	0.05	0	98	70	130	0.05155	5.11	20	
Bromomethane	0.04221	0.010	0.05	0	84.4	50	150	0.04185	0.857	20	
2-Butanone	0.09691	0.075	0.1	0	96.9	50	150	0.09633	0.600	20	
Carbon disulfide	0.1031	0.050	0.1	0	103	70	130	0.1046	1.48	20	
Carbon tetrachloride	0.05289	0.0050	0.05	0	106	70	130	0.05356	1.26	20	
Chlorobenzene	0.05401	0.0050	0.05	0	108	70	130	0.05658	4.65	20	
Chloroethane	0.04699	0.010	0.05	0	94	70	130	0.04655	0.941	20	
Chloroform	0.05412	0.0050	0.05	0	108	70	130	0.0553	2.16	20	
Chloromethane	0.04664	0.010	0.05	0	93.3	70	130	0.04595	1.49	20	
Dibromochloromethane	0.05214	0.0050	0.05	0	104	70	130	0.0526	0.878	20	
1,1-Dichloroethane	0.05241	0.0050	0.05	0	105	70	130	0.05286	0.855	20	
1,2-Dichloroethane	0.05166	0.0050	0.05	0	103	70	130	0.05408	4.58	20	
1,1-Dichloroethene	0.05458	0.0050	0.05	0	109	70	130	0.05468	0.183	20	
cis-1,2-Dichloroethene	0.05144	0.0050	0.05	0	103	70	130	0.05236	1.77	20	
trans-1,2-Dichloroethene	0.05496	0.0050	0.05	0	110	70	130	0.05637	2.53	20	
1,2-Dichloropropane	0.0521	0.0050	0.05	0	104	70	130	0.05303	1.77	20	
cis-1,3-Dichloropropene	0.09975	0.0020	0.1	0	99.8	70	130	0.1028	3.06	20	
trans-1,3-Dichloropropene	0.1038	0.0020	0.1	0	104	70	130	0.1092	5.07	20	
Ethylbenzene	0.05312	0.0050	0.05	0	106	70	130	0.05655	6.26	20	
2-Hexanone	0.08093	0.020	0.1	0	80.9	50	150	0.0817	0.947	20	
4-Methyl-2-pentanone	0.08591	0.020	0.1	0	85.9	50	150	0.08592	0.0116	20	
Methylene chloride	0.05196	0.010	0.05	0.00834	87.2	70	130	0.05367	3.24	20	
Methyl tert-butyl ether	0.05609	0.0050	0.05	0	112	70	130	0.05752	2.52	20	
Styrene	0.05253	0.0050	0.05	0	105	70	130	0.05533	5.19	20	
1,1,2,2-Tetrachloroethane	0.04699	0.0050	0.05	0	94	70	130	0.04805	2.23	20	
Tetrachloroethene	0.05539	0.0050	0.05	0	111	70	130	0.05839	5.27	20	
Toluene	0.05573	0.0050	0.05	0	111	70	130	0.05755	3.21	20	
1,1,1-Trichloroethane	0.05223	0.0050	0.05	0	104	70	130	0.05289	1.26	20	
1,1,2-Trichloroethane	0.05213	0.0050	0.05	0	104	70	130	0.05518	5.68	20	
Trichloroethene	0.05391	0.0050	0.05	0	108	70	130	0.05449	1.07	20	
Vinyl chloride	0.0491	0.0050	0.05	0	98.2	70	130	0.04866	0.900	20	
Xylenes, Total	0.1582	0.015	0.15	0	105	70	130	0.164	3.60	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203158**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5977694	BFB110123-4	TUNE	BFB	R203158	1	11/01/2023 08:40
5977695	VSTD050	CCV	VOC_ENCORE+	R203158	1	11/01/2023 09:08
5977696	VBLK110123-4	MBLK	VOC_ENCORE+	R203158	1	11/01/2023 09:44
5977697	VLCS110123-4	LCS	VOC_ENCORE+	R203158	1	11/01/2023 10:18
5977698	VLCS110123-4	LCSD	VOC_ENCORE+	R203158	1	11/01/2023 10:53
5977792	23101003-005A	SAMP	VOC_5035	154100	1	11/01/2023 11:34
5977793	23101003-004B	SAMP	VOC_S	154100	1	11/01/2023 12:08
5977911	23101003-006A	SAMP	VOC_5035	154100	1	11/01/2023 13:07
5977912	23101003-007A	SAMP	VOC_5035	154100	1	11/01/2023 13:41
5977913	23101003-008A	SAMP	VOC_5035	154100	1	11/01/2023 14:15
5977953	23101003-009A	SAMP	VOC_5035	154100	1	11/01/2023 14:49
5978036	23101003-010A	SAMP	VOC_5035	154100	1	11/01/2023 15:23
5978161	23101003-011A	SAMP	VOC_5035	154100	1	11/01/2023 15:57
5978187	23101003-012A	SAMP	VOC_5035	154100	1	11/01/2023 16:31
5978257	23101003-013A	SAMP	VOC_5035	154100	1	11/01/2023 17:05
5978284	23101003-014B	SAMP	VOC_S	154100	1	11/01/2023 17:38

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VBLK110123-4	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		11/1/2023	VOA-4_231101A	5977696			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
2-Butanone	ND	0.075									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
Dibromochloromethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
cis-1,2-Dichloroethene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									
trans-1,3-Dichloropropene	ND	0.0020									
Ethylbenzene	ND	0.0050									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Methylene chloride	0.00167	0.010									J
Methyl tert-butyl ether	ND	0.0050									
Styrene	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203158**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLK110123-4</b>	<b>ZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/1/2023</b>	<b>VOA-4_231101A</b>	<b>5977696</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
1,1,1-Trichloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110123-4</b>	<b>ZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/1/2023</b>	<b>VOA-4_231101A</b>	<b>5977697</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.08072	0.075	0.1	0	80.7	50	150	0	0		
Benzene	0.05541	0.0050	0.05	0	111	70	130	0	0		
Bromodichloromethane	0.05441	0.0050	0.05	0	109	70	130	0	0		
Bromoform	0.05135	0.0050	0.05	0	103	70	130	0	0		
Bromomethane	0.04446	0.010	0.05	0	88.9	50	150	0	0		
2-Butanone	0.09304	0.075	0.1	0	93	50	150	0	0		
Carbon disulfide	0.1085	0.050	0.1	0	109	70	130	0	0		
Carbon tetrachloride	0.05582	0.0050	0.05	0	112	70	130	0	0		
Chlorobenzene	0.05781	0.0050	0.05	0	116	70	130	0	0		
Chloroethane	0.04766	0.010	0.05	0	95.3	70	130	0	0		
Chloroform	0.05376	0.0050	0.05	0	108	70	130	0	0		
Chloromethane	0.04716	0.010	0.05	0	94.3	70	130	0	0		
Dibromochloromethane	0.05255	0.0050	0.05	0	105	70	130	0	0		
1,1-Dichloroethane	0.0525	0.0050	0.05	0	105	70	130	0	0		
1,2-Dichloroethane	0.0524	0.0050	0.05	0	105	70	130	0	0		
1,1-Dichloroethene	0.0564	0.0050	0.05	0	113	70	130	0	0		
cis-1,2-Dichloroethene	0.05285	0.0050	0.05	0	106	70	130	0	0		
trans-1,2-Dichloroethene	0.05767	0.0050	0.05	0	115	70	130	0	0		
1,2-Dichloropropane	0.05225	0.0050	0.05	0	104	70	130	0	0		
cis-1,3-Dichloropropene	0.1031	0.0020	0.1	0	103	70	130	0	0		
trans-1,3-Dichloropropene	0.1098	0.0020	0.1	0	110	70	130	0	0		
Ethylbenzene	0.0584	0.0050	0.05	0	117	70	130	0	0		
2-Hexanone	0.08408	0.020	0.1	0	84.1	50	150	0	0		
4-Methyl-2-pentanone	0.08459	0.020	0.1	0	84.6	50	150	0	0		
Methylene chloride	0.05292	0.010	0.05	0.00167	103	70	130	0	0		
Methyl tert-butyl ether	0.05459	0.0050	0.05	0	109	70	130	0	0		
Styrene	0.05642	0.0050	0.05	0	113	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04849	0.0050	0.05	0	97	70	130	0	0		
Tetrachloroethene	0.06129	0.0050	0.05	0	123	70	130	0	0		
Toluene	0.0577	0.0050	0.05	0	115	70	130	0	0		
1,1,1-Trichloroethane	0.05526	0.0050	0.05	0	111	70	130	0	0		
1,1,2-Trichloroethane	0.05328	0.0050	0.05	0	107	70	130	0	0		
Trichloroethene	0.05665	0.0050	0.05	0	113	70	130	0	0		
Vinyl chloride	0.05135	0.0050	0.05	0	103	70	130	0	0		
Xylenes, Total	0.1714	0.015	0.15	0	114	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203158**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110123-4	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		11/1/2023	VOA-4_231101A	5977698			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	0.08249	0.075	0.1	0	82.5	50	150	0.08072	2.17	20	
Benzene	0.05606	0.0050	0.05	0	112	70	130	0.05541	1.17	20	
Bromodichloromethane	0.05536	0.0050	0.05	0	111	70	130	0.05441	1.73	20	
Bromoform	0.05378	0.0050	0.05	0	108	70	130	0.05135	4.62	20	
Bromomethane	0.04267	0.010	0.05	0	85.3	50	150	0.04446	4.11	20	
2-Butanone	0.09203	0.075	0.1	0	92	50	150	0.09304	1.09	20	
Carbon disulfide	0.1099	0.050	0.1	0	110	70	130	0.1085	1.30	20	
Carbon tetrachloride	0.05455	0.0050	0.05	0	109	70	130	0.05582	2.30	20	
Chlorobenzene	0.05836	0.0050	0.05	0	117	70	130	0.05781	0.947	20	
Chloroethane	0.04797	0.010	0.05	0	95.9	70	130	0.04766	0.648	20	
Chloroform	0.0554	0.0050	0.05	0	111	70	130	0.05376	3.00	20	
Chloromethane	0.04872	0.010	0.05	0	97.4	70	130	0.04716	3.25	20	
Dibromochloromethane	0.05424	0.0050	0.05	0	108	70	130	0.05255	3.17	20	
1,1-Dichloroethane	0.05406	0.0050	0.05	0	108	70	130	0.0525	2.93	20	
1,2-Dichloroethane	0.05305	0.0050	0.05	0	106	70	130	0.0524	1.23	20	
1,1-Dichloroethene	0.05808	0.0050	0.05	0	116	70	130	0.0564	2.94	20	
cis-1,2-Dichloroethene	0.05519	0.0050	0.05	0	110	70	130	0.05285	4.33	20	
trans-1,2-Dichloroethene	0.05651	0.0050	0.05	0	113	70	130	0.05767	2.03	20	
1,2-Dichloropropane	0.05355	0.0050	0.05	0	107	70	130	0.05225	2.46	20	
cis-1,3-Dichloropropene	0.1072	0.0020	0.1	0	107	70	130	0.1031	3.86	20	
trans-1,3-Dichloropropene	0.1132	0.0020	0.1	0	113	70	130	0.1098	3.02	20	
Ethylbenzene	0.0577	0.0050	0.05	0	115	70	130	0.0584	1.21	20	
2-Hexanone	0.08406	0.020	0.1	0	84.1	50	150	0.08408	0.0238	20	
4-Methyl-2-pentanone	0.08596	0.020	0.1	0	86	50	150	0.08459	1.61	20	
Methylene chloride	0.05624	0.010	0.05	0.00167	109	70	130	0.05292	6.08	20	
Methyl tert-butyl ether	0.05782	0.0050	0.05	0	116	70	130	0.05459	5.75	20	
Styrene	0.05716	0.0050	0.05	0	114	70	130	0.05642	1.30	20	
1,1,2,2-Tetrachloroethane	0.05033	0.0050	0.05	0	101	70	130	0.04849	3.72	20	
Tetrachloroethene	0.06075	0.0050	0.05	0	122	70	130	0.06129	0.885	20	
Toluene	0.05747	0.0050	0.05	0	115	70	130	0.0577	0.399	20	
1,1,1-Trichloroethane	0.05519	0.0050	0.05	0	110	70	130	0.05526	0.127	20	
1,1,2-Trichloroethane	0.05467	0.0050	0.05	0	109	70	130	0.05328	2.58	20	
Trichloroethene	0.05573	0.0050	0.05	0	111	70	130	0.05665	1.64	20	
Vinyl chloride	0.051	0.0050	0.05	0	102	70	130	0.05135	0.684	20	
Xylenes, Total	0.171	0.015	0.15	0	114	70	130	0.1714	0.269	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203160**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5977726	VBLK110123-7	MBLK	VOC_ENCORE+	R203160	1	11/01/2023 09:44
5977724	BFB110123-7	TUNE	BFB	R203160	1	11/01/2023 10:31
5977725	VSTD050	CCV	VOC_ENCORE+	R203160	1	11/01/2023 10:57
5977781	VLCS110123-7	LCS	VOC_ENCORE+	R203160	1	11/01/2023 12:07
5977782	VLCS110123-7	LCSD	VOC_ENCORE+	R203160	1	11/01/2023 12:41
5977805	23101003-015B	SAMP	VOC_S	154100	1	11/01/2023 13:16
5977827	23101003-016B	SAMP	VOC_S	154100	1	11/01/2023 13:51
5977908	23101003-017A	SAMP	VOC_5035	154100	1	11/01/2023 14:26
5977954	23101003-018A	SAMP	VOC_5035	154100	1	11/01/2023 15:00
5978083	23101003-019A	SAMP	VOC_5035	154100	1	11/01/2023 15:35
5978160	23101003-020A	SAMP	VOC_5035	154100	1	11/01/2023 16:10
5978233	23101003-021B	SAMP	VOC_S	154100	1	11/01/2023 16:45
5978258	23101003-022A	SAMP	VOC_5035	154100	1	11/01/2023 17:19
5978285	23101003-023B	SAMP	VOC_S	154100	1	11/01/2023 17:54
5978364	23101003-024A	SAMP	VOC_5035	154100	1	11/01/2023 18:29
5978500	23101003-025A	SAMP	VOC_5035	154100	1	11/01/2023 19:03
5978501	23101003-026A	SAMP	VOC_5035	154100	1	11/01/2023 19:38
5978502	23101003-008A	SAMP	VOC_5035	154116	1	11/01/2023 20:13
5978503	23101003-009A	SAMP	VOC_5035	154116	1	11/01/2023 20:47

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
VBLK110123-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		11/1/2023	VOA-7_231101A	5977726				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	ND	0.075
Benzene	ND	0.0050
Bromodichloromethane	ND	0.0050
Bromoform	ND	0.0050
Bromomethane	ND	0.010
2-Butanone	ND	0.075
Carbon disulfide	ND	0.050
Carbon tetrachloride	ND	0.0050
Chlorobenzene	ND	0.0050
Chloroethane	ND	0.010
Chloroform	ND	0.0050
Chloromethane	ND	0.010
Dibromochloromethane	ND	0.0050
1,1-Dichloroethane	ND	0.0050
1,2-Dichloroethane	ND	0.0050
1,1-Dichloroethene	ND	0.0050
cis-1,2-Dichloroethene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
1,2-Dichloropropane	ND	0.0050
cis-1,3-Dichloropropene	ND	0.0020
trans-1,3-Dichloropropene	ND	0.0020
Ethylbenzene	ND	0.0050
2-Hexanone	ND	0.020
4-Methyl-2-pentanone	ND	0.020

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203160**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLBK110123-7</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/1/2023</b>	<b>VOA-7_231101A</b>	<b>5977726</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010									
Methyl tert-butyl ether	ND	0.0050									
Styrene	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
1,1,1-Trichloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110123-7</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/1/2023</b>	<b>VOA-7_231101A</b>	<b>5977781</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.0604	0.075	0.1	0	60.4	50	150	0	0		J
Benzene	0.05168	0.0050	0.05	0	103	70	130	0	0		
Bromodichloromethane	0.05373	0.0050	0.05	0	107	70	130	0	0		
Bromoform	0.06715	0.0050	0.05	0	134	70	130	0	0		S
Bromomethane	0.04418	0.010	0.05	0	88.4	50	150	0	0		
2-Butanone	0.08084	0.075	0.1	0	80.8	50	150	0	0		
Carbon disulfide	0.0972	0.050	0.1	0	97.2	70	130	0	0		
Carbon tetrachloride	0.05782	0.0050	0.05	0	116	70	130	0	0		
Chlorobenzene	0.06071	0.0050	0.05	0	121	70	130	0	0		
Chloroethane	0.04324	0.010	0.05	0	86.5	70	130	0	0		
Chloroform	0.04668	0.0050	0.05	0	93.4	70	130	0	0		
Chloromethane	0.04039	0.010	0.05	0	80.8	70	130	0	0		
Dibromochloromethane	0.06649	0.0050	0.05	0	133	70	130	0	0		S
1,1-Dichloroethane	0.04425	0.0050	0.05	0	88.5	70	130	0	0		
1,2-Dichloroethane	0.04778	0.0050	0.05	0	95.6	70	130	0	0		
1,1-Dichloroethene	0.03797	0.0050	0.05	0	75.9	70	130	0	0		
cis-1,2-Dichloroethene	0.05023	0.0050	0.05	0	100	70	130	0	0		
trans-1,2-Dichloroethene	0.0516	0.0050	0.05	0	103	70	130	0	0		
1,2-Dichloropropane	0.04609	0.0050	0.05	0	92.2	70	130	0	0		
cis-1,3-Dichloropropene	0.09625	0.0020	0.1	0	96.2	70	130	0	0		
trans-1,3-Dichloropropene	0.1189	0.0020	0.1	0	119	70	130	0	0		
Ethylbenzene	0.05688	0.0050	0.05	0	114	70	130	0	0		
2-Hexanone	0.07908	0.020	0.1	0	79.1	50	150	0	0		
4-Methyl-2-pentanone	0.07183	0.020	0.1	0	71.8	50	150	0	0		
Methylene chloride	0.04046	0.010	0.05	0	80.9	70	130	0	0		
Methyl tert-butyl ether	0.04181	0.0050	0.05	0	83.6	70	130	0	0		
Styrene	0.06029	0.0050	0.05	0	121	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05122	0.0050	0.05	0	102	70	130	0	0		
Tetrachloroethene	0.06922	0.0050	0.05	0	138	70	130	0	0		S
Toluene	0.05757	0.0050	0.05	0	115	70	130	0	0		
1,1,1-Trichloroethane	0.05461	0.0050	0.05	0	109	70	130	0	0		
1,1,2-Trichloroethane	0.0538	0.0050	0.05	0	108	70	130	0	0		
Trichloroethene	0.05726	0.0050	0.05	0	115	70	130	0	0		
Vinyl chloride	0.04774	0.0050	0.05	0	95.5	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203160**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110123-7	ZZZZZ	LCS	mg/Kg	SW5035/8260B		11/1/2023	VOA-7_231101A	5977781			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total 0.1792 0.015 0.15 0 119 70 130 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110123-7	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		11/1/2023	VOA-7_231101A	5977782			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.06257	0.075	0.1	0	62.6	50	150	0.0604	0	20	J
Benzene	0.05373	0.0050	0.05	0	107	70	130	0.05168	3.89	20	
Bromodichloromethane	0.05449	0.0050	0.05	0	109	70	130	0.05373	1.40	20	
Bromoform	0.07239	0.0050	0.05	0	145	70	130	0.06715	7.51	20	S
Bromomethane	0.0474	0.010	0.05	0	94.8	50	150	0.04418	7.03	20	
2-Butanone	0.07891	0.075	0.1	0	78.9	50	150	0.08084	2.42	20	
Carbon disulfide	0.09803	0.050	0.1	0	98	70	130	0.0972	0.850	20	
Carbon tetrachloride	0.0618	0.0050	0.05	0	124	70	130	0.05782	6.65	20	
Chlorobenzene	0.06459	0.0050	0.05	0	129	70	130	0.06071	6.19	20	
Chloroethane	0.04466	0.010	0.05	0	89.3	70	130	0.04324	3.23	20	
Chloroform	0.04772	0.0050	0.05	0	95.4	70	130	0.04668	2.20	20	
Chloromethane	0.04061	0.010	0.05	0	81.2	70	130	0.04039	0.543	20	
Dibromochloromethane	0.06664	0.0050	0.05	0	133	70	130	0.06649	0.225	20	S
1,1-Dichloroethane	0.04545	0.0050	0.05	0	90.9	70	130	0.04425	2.68	20	
1,2-Dichloroethane	0.05034	0.0050	0.05	0	101	70	130	0.04778	5.22	20	
1,1-Dichloroethene	0.04364	0.0050	0.05	0	87.3	70	130	0.03797	13.9	20	
cis-1,2-Dichloroethene	0.05179	0.0050	0.05	0	104	70	130	0.05023	3.06	20	
trans-1,2-Dichloroethene	0.05402	0.0050	0.05	0	108	70	130	0.0516	4.58	20	
1,2-Dichloropropane	0.05093	0.0050	0.05	0	102	70	130	0.04609	9.98	20	
cis-1,3-Dichloropropene	0.1003	0.0020	0.1	0	100	70	130	0.09625	4.08	20	
trans-1,3-Dichloropropene	0.1353	0.0020	0.1	0	135	70	130	0.1189	12.9	20	S
Ethylbenzene	0.06056	0.0050	0.05	0	121	70	130	0.05688	6.27	20	
2-Hexanone	0.08075	0.020	0.1	0	80.8	50	150	0.07908	2.09	20	
4-Methyl-2-pentanone	0.07467	0.020	0.1	0	74.7	50	150	0.07183	3.88	20	
Methylene chloride	0.04608	0.010	0.05	0	92.2	70	130	0.04046	13.0	20	
Methyl tert-butyl ether	0.04656	0.0050	0.05	0	93.1	70	130	0.04181	10.8	20	
Styrene	0.06312	0.0050	0.05	0	126	70	130	0.06029	4.59	20	
1,1,2,2-Tetrachloroethane	0.05941	0.0050	0.05	0	119	70	130	0.05122	14.8	20	
Tetrachloroethene	0.0745	0.0050	0.05	0	149	70	130	0.06922	7.35	20	S
Toluene	0.05935	0.0050	0.05	0	119	70	130	0.05757	3.04	20	
1,1,1-Trichloroethane	0.05393	0.0050	0.05	0	108	70	130	0.05461	1.25	20	
1,1,2-Trichloroethane	0.06141	0.0050	0.05	0	123	70	130	0.0538	13.2	20	
Trichloroethene	0.06179	0.0050	0.05	0	124	70	130	0.05726	7.61	20	
Vinyl chloride	0.05042	0.0050	0.05	0	101	70	130	0.04774	5.46	20	
Xylenes, Total	0.1905	0.015	0.15	0	127	70	130	0.1792	6.11	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8270C **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
MB-154106-SVOC	90.4	82.5	83.4	102	77.9	87.3	93.3	84.5
LCS-154106-SVOC	93.8	90.7	89.9	110	82.8	90.5	96.8	95.9
23100964-002BMS	77.8	74.2	72.1	91.4	66.9	73.9	76.8	76.2
23100964-002BMUSD	79.3	73.0	75.1	102	71.1	82.6	87.5	88.5
23101003-001B	45.6	43.4	42.3	51.8	39.5	43.5	46.5	43.0
23101003-002B	62.5	57.7	57.5	72.6	54.9	60.0	66.0	57.5
23101003-003B	66.1	60.3	64.7	73.9	56.9	62.5	68.2	60.3
23101003-004B	64.9	61.8	60.5	75.6	56.9	63.7	63.8	64.1
23101003-005B	52.2	50.8	49.2	58.2	45.9	49.4	60.4	51.3
23101003-006B	62.7	58.5	60.5	74.2	54.7	61.6	67.3	59.6
MB-154110-SVOC	85.4	81.6	88.4	91.3	85.3	93.2	90.5	95.2
LCS-154110-SVOC	71.2	64.3	75.2	77.2	65.1	76.3	73.5	73.5
23101003-007B	86.0	80.6	88.1	88.3	81.1	94.1	88.4	85.3
23101003-008B	89.3	78.0	84.6	94.7	80.2	90.3	86.4	84.8
23101003-009B	88.6	81.3	92.1	91.1	78.4	97.5	95.2	95.1
23101003-010B	77.9	73.3	81.4	75.3	67.4	83.2	82.9	80.6
23101003-011B	90.0	82.0	91.3	94.3	81.4	96.4	90.9	87.1
23101003-012B	94.6	82.6	89.8	102	85.9	103	92.9	95.7
23101003-013B	80.1	75.7	82.9	88.1	73.1	88.2	85.3	84.2
23101003-013BMS	72.6	66.7	76.5	85.2	66.1	79.5	80.0	77.3
23101003-013BMUSD	86.2	82.6	91.0	91.9	80.2	94.2	90.1	86.5
23101003-014B	88.8	95.0	85.2	86.7	85.7	95.7	87.8	87.6
23101003-015B	65.1	58.6	65.3	70.0	57.1	70.3	65.1	70.6
23101003-016B	77.3	70.6	77.6	80.0	70.9	82.4	78.9	78.1
23101003-017B	93.9	103	90.4	97.5	87.7	95.7	98.8	93.8
23101003-018B	87.0	88.6	87.4	74.5	78.9	87.6	87.0	85.0

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

\* Surrogate recovery outside acceptance limits

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8270C **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
23101003-019B	83.0	75.4	86.9	81.1	76.2	87.9	81.4	79.8
23101003-020B	81.4	76.0	82.8	83.0	70.4	84.2	85.8	84.1
23101003-021B	83.9	88.0	84.0	78.0	85.8	89.1	86.0	86.6
23101003-022B	73.2	68.2	73.2	70.7	63.9	78.5	75.2	76.4
23101003-023B	81.9	78.3	83.7	85.8	74.1	88.5	86.8	85.0
23101003-024B	78.0	73.4	80.7	79.0	70.0	84.1	79.6	77.2
23101003-025B	87.4	79.9	87.3	87.8	78.2	93.1	91.5	96.0
23101003-026B	69.2	64.6	70.0	73.0	62.0	72.7	75.7	70.7

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

\* Surrogate recovery outside acceptance limits



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-154106-SVOC			0.03	0	0	1	33.333	11/1/2023	11/1/2023
LCS-154106-SVOC			0.03	0	0	1	33.333	11/1/2023	11/1/2023
23100964-001B	Soil		0.030139	0	0	1	33.180	11/1/2023	11/1/2023
23100964-002B	Soil		0.030519	0	0	1	32.766	11/1/2023	11/1/2023
23100964-003B	Soil		0.030232	0	0	1	33.078	11/1/2023	11/1/2023
23100964-004B	Soil		0.030156	0	0	1	33.161	11/1/2023	11/1/2023
23100965-001B	Soil		0.030641	0	0	1	32.636	11/1/2023	11/1/2023
23100965-002B	Soil		0.030299	0	0	1	33.004	11/1/2023	11/1/2023
23100965-003B	Soil		0.030165	0	0	1	33.151	11/1/2023	11/1/2023
23100965-004B	Soil		0.03076	0	0	1	32.510	11/1/2023	11/1/2023
23100965-005B	Soil		0.03033	0	0	1	32.971	11/1/2023	11/1/2023
23100965-006B	Soil		0.030303	0	0	1	33.000	11/1/2023	11/1/2023
23100965-007B	Soil		0.030062	0	0	1	33.265	11/1/2023	11/1/2023
23101003-001B	Soil		0.030864	0	0	1	32.400	11/1/2023	11/1/2023
23101003-002B	Soil		0.030313	0	0	1	32.989	11/1/2023	11/1/2023
23101003-003B	Soil		0.030257	0	0	1	33.050	11/1/2023	11/1/2023
23101003-004B	Soil		0.030804	0	0	1	32.463	11/1/2023	11/1/2023
23101003-005B	Soil		0.030042	0	0	1	33.287	11/1/2023	11/1/2023
23101003-006B	Soil		0.030137	0	0	1	33.182	11/1/2023	11/1/2023
23110001-001A	Soil		0.03027	0	0	1	33.036	11/1/2023	11/1/2023
23110001-003A	Soil		0.03077	0	0	1	32.499	11/1/2023	11/1/2023
23110001-005A	Soil		0.03065	0	0	1	32.626	11/1/2023	11/1/2023
23100964-002BMS	Soil		0.030516	0	0	1	32.770	11/1/2023	11/1/2023
23100964-002BMSD	Soil		0.030516	0	0	1	32.770	11/1/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>MB-154106-SVOC</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW8270C</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>SVOC-7_231101A</b>	<b>5978801</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Aniline	ND	0.33									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzidine	ND	0.33									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Benzoic acid	ND	0.83									
Benzyl alcohol	ND	0.17									
Bis(2-chloroethoxy)methane	ND	0.17									
Bis(2-chloroethyl)ether	ND	0.17									
Bis(2-ethylhexyl)phthalate	ND	0.83									
4-Bromophenyl phenyl ether	ND	0.17									
Butyl benzyl phthalate	ND	0.83									
Carbazole	ND	0.17									
4-Chloroaniline	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154106-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A	5978801			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33									
2-Chloronaphthalene	ND	0.17									
2-Chlorophenol	ND	0.17									
4-Chlorophenyl phenyl ether	ND	0.17									
2, 2'-oxybis(1-Chloropropane)	ND	0.17									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Dibenzofuran	ND	0.17									
1,2-Dichlorobenzene	ND	0.17									
1,3-Dichlorobenzene	ND	0.17									
1,4-Dichlorobenzene	ND	0.17									
3,3'-Dichlorobenzidine	ND	0.17									
2,4-Dichlorophenol	ND	0.17									
Diethyl phthalate	ND	0.83									
Dimethyl phthalate	ND	0.83									
2,4-Dimethylphenol	ND	0.17									
Di-n-butyl phthalate	ND	0.83									
4,6-Dinitro-2-methylphenol	ND	0.33									
2,4-Dinitrophenol	ND	0.83									
2,4-Dinitrotoluene	ND	0.033									
2,6-Dinitrotoluene	ND	0.033									
Di-n-octyl phthalate	ND	0.83									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Hexachlorobenzene	ND	0.17									
Hexachlorobutadiene	ND	0.17									
Hexachlorocyclopentadiene	ND	0.17									
Hexachloroethane	ND	0.17									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Isophorone	ND	0.17									
2-Methylnaphthalene	ND	0.17									
2-Methylphenol	ND	0.17									
4-Methylphenol	ND	0.17									
Naphthalene	ND	0.033									
2-Nitroaniline	ND	0.17									
3-Nitroaniline	ND	0.17									
4-Nitroaniline	ND	0.17									
Nitrobenzene	ND	0.033									
2-Nitrophenol	ND	0.17									
4-Nitrophenol	ND	0.33									
N-Nitrosodimethylamine	ND	0.17									
N-Nitrosodi-n-propylamine	ND	0.033									
N-Nitrosodiphenylamine	ND	0.033									
Pentachlorophenol	ND	0.033									
Phenanthrene	ND	0.033									
Phenol	ND	0.17									
Pyrene	ND	0.033									
Pyridine	ND	0.67									
1,2,4-Trichlorobenzene	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154106-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A	5978801			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	ND	0.17									
2,4,6-Trichlorophenol	ND	0.17									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154106-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A	5978802			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.341	0.033	1.667	0	80.5	24	139	0	0		
Acenaphthylene	1.492	0.033	1.667	0	89.5	42	127	0	0		
Aniline	1.294	0.33	1.667	0	77.6	10	160	0	0		
Anthracene	1.418	0.033	1.667	0	85	49	151	0	0		
Benz(a)anthracene	1.465	0.033	1.667	0	87.9	55	139	0	0		
Benzo(a)pyrene	1.482	0.033	1.667	0	88.9	49	155	0	0		
Benzo(b)fluoranthene	1.335	0.033	1.667	0	80.1	38	174	0	0		
Benzo(g,h,i)perylene	1.471	0.033	1.667	0	88.3	72	158	0	0		
Benzo(k)fluoranthene	1.262	0.033	1.667	0	75.7	44	172	0	0		
Benzoic acid	2.736	0.83	3.333	0	82.1	16	156	0	0		
Benzyl alcohol	1.326	0.17	1.667	0	79.5	48	140	0	0		
Bis(2-chloroethoxy)methane	1.231	0.17	1.667	0	73.9	45	137	0	0		
Bis(2-chloroethyl)ether	1.248	0.17	1.667	0	74.9	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.344	0.83	1.667	0	80.6	55	174	0	0		
4-Bromophenyl phenyl ether	1.48	0.17	1.667	0	88.8	52	116	0	0		
Butyl benzyl phthalate	1.545	0.83	1.667	0	92.7	53	155	0	0		
Carbazole	1.403	0.17	1.667	0	84.1	53	139	0	0		
4-Chloroaniline	1.561	0.17	1.667	0	93.7	30	137	0	0		
4-Chloro-3-methylphenol	2.85	0.33	3.333	0	85.5	28	121	0	0		
2-Chloronaphthalene	1.522	0.17	1.667	0	91.3	52	111	0	0		
2-Chlorophenol	2.552	0.17	3.333	0	76.6	21	102	0	0		
4-Chlorophenyl phenyl ether	1.451	0.17	1.667	0	87	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	1.043	0.17	1.667	0	62.6	13	148	0	0		
Chrysene	0.9203	0.033	1.667	0	55.2	60	156	0	0		S
Dibenz(a,h)anthracene	1.116	0.033	1.667	0	66.9	66	167	0	0		
Dibenzofuran	1.422	0.17	1.667	0	85.3	57	124	0	0		
1,2-Dichlorobenzene	1.303	0.17	1.667	0	78.2	40	116	0	0		
1,3-Dichlorobenzene	1.315	0.17	1.667	0	78.9	40	113	0	0		
1,4-Dichlorobenzene	1.334	0.17	1.667	0	80	27	95	0	0		
3,3'-Dichlorobenzidine	2.343	0.17	1.667	0	141	10	164	0	0		
2,4-Dichlorophenol	2.767	0.17	3.333	0	83	54	118	0	0		
Diethyl phthalate	1.465	0.83	1.667	0	87.9	34	143	0	0		
Dimethyl phthalate	1.41	0.83	1.667	0	84.6	53	117	0	0		
2,4-Dimethylphenol	2.594	0.17	3.333	0	77.8	41	126	0	0		
Di-n-butyl phthalate	1.55	0.83	1.667	0	93	46	161	0	0		
4,6-Dinitro-2-methylphenol	2.96	0.33	3.333	0	88.8	10	162	0	0		
2,4-Dinitrophenol	3.252	0.83	3.333	0	97.6	10	138	0	0		
2,4-Dinitrotoluene	1.444	0.033	1.667	0	86.6	32	127	0	0		
2,6-Dinitrotoluene	1.531	0.033	1.667	0	91.8	51	119	0	0		
Di-n-octyl phthalate	1.444	0.83	1.667	0	86.6	60	168	0	0		
Fluoranthene	1.513	0.033	1.667	0	90.7	26	171	0	0		
Fluorene	1.378	0.033	1.667	0	82.7	49	127	0	0		
Hexachlorobenzene	1.463	0.17	1.667	0	87.8	34	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
LCS-154106-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A				5978802
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorobutadiene	1.485	0.17	1.667	0	89.1	45	108	0	0		
Hexachlorocyclopentadiene	1.357	0.17	1.667	0	81.4	10	117	0	0		
Hexachloroethane	1.34	0.17	1.667	0	80.4	34	128	0	0		
Indeno(1,2,3-cd)pyrene	1.432	0.033	1.667	0	85.9	59	178	0	0		
Isophorone	1.104	0.17	1.667	0	66.2	40	149	0	0		
2-Methylnaphthalene	1.378	0.17	1.667	0	82.7	56	116	0	0		
2-Methylphenol	2.452	0.17	3.333	0	73.6	43	135	0	0		
4-Methylphenol	2.553	0.17	3.333	0	76.6	50	154	0	0		
Naphthalene	1.302	0.033	1.667	0	78.1	44	124	0	0		
2-Nitroaniline	1.469	0.17	1.667	0	88.1	56	128	0	0		
3-Nitroaniline	1.543	0.17	1.667	0	92.6	42	126	0	0		
4-Nitroaniline	1.473	0.17	1.667	0	88.3	46	147	0	0		
Nitrobenzene	1.327	0.033	1.667	0	79.6	39	144	0	0		
2-Nitrophenol	2.762	0.17	3.333	0	82.9	46	123	0	0		
4-Nitrophenol	3.132	0.33	3.333	0	94	10	156	0	0		
N-Nitrosodimethylamine	1.314	0.17	1.667	0	78.8	15	164	0	0		
N-Nitrosodi-n-propylamine	1.224	0.033	1.667	0	73.4	16	122	0	0		
N-Nitrosodiphenylamine	1.211	0.033	1.667	0	72.7	48	104	0	0		
Pentachlorophenol	3.051	0.033	3.333	0	91.5	10	204	0	0		
Phenanthrene	1.465	0.033	1.667	0	87.9	47	145	0	0		
Phenol	2.403	0.17	3.333	0	72.1	20	103	0	0		
Pyrene	1.536	0.033	1.667	0	92.2	10	184	0	0		
Pyridine	1.487	0.67	1.667	0	89.2	10	166	0	0		
1,2,4-Trichlorobenzene	1.4	0.17	1.667	0	84	55	106	0	0		
2,4,5-Trichlorophenol	2.972	0.17	3.333	0	89.2	56	128	0	0		
2,4,6-Trichlorophenol	2.97	0.17	3.333	0	89.1	52	123	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23100964-002BMS	ZZZZZ	MS	mg/Kg-dry	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A				5978809
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.338	0.038	1.915	0	69.9	24	139	0	0		
Acenaphthylene	1.413	0.038	1.915	0	73.8	42	127	0	0		
Aniline	1.4	0.38	1.915	0	73.1	10	160	0	0		
Anthracene	1.4	0.038	1.915	0	73.1	49	151	0	0		
Benz(a)anthracene	1.463	0.038	1.915	0	76.4	55	139	0	0		
Benzo(a)pyrene	1.529	0.038	1.915	0	79.9	49	155	0	0		
Benzo(b)fluoranthene	1.516	0.038	1.915	0	79.2	38	174	0	0		
Benzo(g,h,i)perylene	1.474	0.038	1.915	0	77	72	158	0	0		
Benzo(k)fluoranthene	1.332	0.038	1.915	0	69.6	44	172	0	0		
Benzoic acid	2.362	0.95	3.828	0	61.7	16	156	0	0		
Benzyl alcohol	1.277	0.20	1.915	0	66.7	48	140	0	0		
Bis(2-chloroethoxy)methane	1.196	0.20	1.915	0	62.5	45	137	0	0		
Bis(2-chloroethyl)ether	1.212	0.20	1.915	0	63.3	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.378	0.95	1.915	0	72	55	174	0	0		
4-Bromophenyl phenyl ether	1.497	0.20	1.915	0	78.2	52	116	0	0		
Butyl benzyl phthalate	1.462	0.95	1.915	0	76.4	53	155	0	0		
Carbazole	1.396	0.20	1.915	0	72.9	53	139	0	0		
4-Chloroaniline	1.56	0.20	1.915	0	81.5	30	137	0	0		
4-Chloro-3-methylphenol	2.751	0.38	3.828	0	71.9	28	121	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23100964-002BMS	ZZZZZ	MS	mg/Kg-dry	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A				5978809
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chloronaphthalene	1.461	0.20	1.915	0	76.3	52	111	0	0		
2-Chlorophenol	2.556	0.20	3.828	0	66.8	21	102	0	0		
4-Chlorophenyl phenyl ether	1.482	0.20	1.915	0	77.4	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	1.038	0.20	1.915	0	54.2	13	148	0	0		
Chrysene	0.8614	0.038	1.915	0	45	60	156	0	0		S
Dibenz(a,h)anthracene	1.056	0.038	1.915	0	55.1	66	167	0	0		S
Dibenzofuran	1.397	0.20	1.915	0	73	57	124	0	0		
1,2-Dichlorobenzene	1.292	0.20	1.915	0	67.5	40	116	0	0		
1,3-Dichlorobenzene	1.196	0.20	1.915	0	62.4	40	113	0	0		
1,4-Dichlorobenzene	1.327	0.20	1.915	0	69.3	27	95	0	0		
3,3'-Dichlorobenzidine	2.129	0.20	1.915	0	111	10	164	0	0		
2,4-Dichlorophenol	2.546	0.20	3.828	0	66.5	54	118	0	0		
Diethyl phthalate	1.386	0.95	1.915	0	72.4	34	143	0	0		
Dimethyl phthalate	1.341	0.95	1.915	0	70	53	117	0	0		
2,4-Dimethylphenol	2.42	0.20	3.828	0	63.2	41	126	0	0		
Di-n-butyl phthalate	1.493	0.95	1.915	0	78	46	161	0	0		
4,6-Dinitro-2-methylphenol	2.761	0.38	3.828	0	72.1	10	162	0	0		
2,4-Dinitrophenol	2.797	0.95	3.828	0	73.1	10	138	0	0		
2,4-Dinitrotoluene	1.489	0.038	1.915	0	77.8	32	127	0	0		
2,6-Dinitrotoluene	1.324	0.038	1.915	0	69.2	51	119	0	0		
Di-n-octyl phthalate	1.511	0.95	1.915	0	78.9	60	168	0	0		
Fluoranthene	1.387	0.038	1.915	0	72.4	26	171	0	0		
Fluorene	1.432	0.038	1.915	0	74.8	49	127	0	0		
Hexachlorobenzene	1.386	0.20	1.915	0	72.4	34	128	0	0		
Hexachlorobutadiene	1.411	0.20	1.915	0	73.7	45	108	0	0		
Hexachlorocyclopentadiene	1.297	0.20	1.915	0	67.7	10	117	0	0		
Hexachloroethane	1.255	0.20	1.915	0	65.5	34	128	0	0		
Indeno(1,2,3-cd)pyrene	1.389	0.038	1.915	0	72.6	59	178	0	0		
Isophorone	1.13	0.20	1.915	0	59	40	149	0	0		
2-Methylnaphthalene	1.339	0.20	1.915	0	69.9	56	116	0	0		
2-Methylphenol	2.486	0.20	3.828	0	64.9	43	135	0	0		
4-Methylphenol	2.662	0.20	3.828	0	69.5	50	154	0	0		
Naphthalene	1.227	0.038	1.915	0	64.1	44	124	0	0		
2-Nitroaniline	1.39	0.20	1.915	0	72.6	56	128	0	0		
3-Nitroaniline	1.504	0.20	1.915	0	78.6	42	126	0	0		
4-Nitroaniline	1.417	0.20	1.915	0	74	46	147	0	0		
Nitrobenzene	1.282	0.038	1.915	0	67	39	144	0	0		
2-Nitrophenol	2.573	0.20	3.828	0	67.2	46	123	0	0		
4-Nitrophenol	3.148	0.38	3.828	0	82.2	10	156	0	0		
N-Nitrosodimethylamine	1.372	0.20	1.915	0	71.7	15	164	0	0		
N-Nitrosodi-n-propylamine	1.115	0.038	1.915	0	58.2	16	122	0	0		
N-Nitrosodiphenylamine	1.14	0.038	1.915	0	59.5	48	104	0	0		
Pentachlorophenol	2.88	0.038	3.828	0	75.2	10	204	0	0		
Phenanthrene	1.424	0.038	1.915	0	74.4	47	145	0	0		
Phenol	2.353	0.20	3.828	0	61.5	20	103	0	0		
Pyrene	1.482	0.038	1.915	0	77.4	10	184	0	0		
Pyridine	1.502	0.77	1.915	0	78.5	10	166	0	0		
1,2,4-Trichlorobenzene	1.389	0.20	1.915	0	72.5	55	106	0	0		
2,4,5-Trichlorophenol	2.863	0.20	3.828	0	74.8	56	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100964-002BMS	ZZZZZ	MS	mg/Kg-dry	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A	5978809			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,6-Trichlorophenol	2.973	0.20	3.828	0	77.7	52	123	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100964-002BMSD	ZZZZZ	MSD	mg/Kg-dry	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A	5978810			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.526	0.038	1.915	0	79.7	24	139	1.338	13.1	57	
Acenaphthylene	1.668	0.038	1.915	0	87.1	42	127	1.413	16.6	34	
Aniline	1.526	0.38	1.915	0	79.7	10	160	1.4	8.66	44	
Anthracene	1.631	0.038	1.915	0	85.2	49	151	1.4	15.2	43	
Benz(a)anthracene	1.648	0.038	1.915	0	86.1	55	139	1.463	11.9	34	
Benzo(a)pyrene	1.782	0.038	1.915	0	93.1	49	155	1.529	15.3	41	
Benzo(b)fluoranthene	1.869	0.038	1.915	0	97.6	38	174	1.516	20.9	38	
Benzo(g,h,i)perylene	1.581	0.038	1.915	0	82.6	72	158	1.474	6.97	35	
Benzo(k)fluoranthene	1.52	0.038	1.915	0	79.4	44	172	1.332	13.2	42	
Benzoic acid	2.681	0.95	3.828	0	70	16	156	2.362	12.6	45	
Benzyl alcohol	1.471	0.20	1.915	0	76.8	48	140	1.277	14.1	43	
Bis(2-chloroethoxy)methane	1.364	0.20	1.915	0	71.3	45	137	1.196	13.1	40	
Bis(2-chloroethyl)ether	1.273	0.20	1.915	0	66.5	21	167	1.212	4.93	39	
Bis(2-ethylhexyl)phthalate	1.677	0.95	1.915	0	87.6	55	174	1.378	19.6	31	
4-Bromophenyl phenyl ether	1.742	0.20	1.915	0	91	52	116	1.497	15.1	38	
Butyl benzyl phthalate	1.753	0.95	1.915	0	91.5	53	155	1.462	18.1	42	
Carbazole	1.615	0.20	1.915	0	84.4	53	139	1.396	14.5	36	
4-Chloroaniline	1.848	0.20	1.915	0	96.5	30	137	1.56	16.9	32	
4-Chloro-3-methylphenol	3.423	0.38	3.828	0	89.4	28	121	2.751	21.8	88	
2-Chloronaphthalene	1.777	0.20	1.915	0	92.8	52	111	1.461	19.5	34	
2-Chlorophenol	2.624	0.20	3.828	0	68.6	21	102	2.556	2.63	49	
4-Chlorophenyl phenyl ether	1.696	0.20	1.915	0	88.6	53	127	1.482	13.5	34	
2, 2'-oxybis(1-Chloropropane)	1.124	0.20	1.915	0	58.7	13	148	1.038	8.00	42	
Chrysene	1.047	0.038	1.915	0	54.7	60	156	0.8614	19.5	33	S
Dibenz(a,h)anthracene	1.155	0.038	1.915	0	60.3	66	167	1.056	9.00	39	S
Dibenzofuran	1.659	0.20	1.915	0	86.7	57	124	1.397	17.2	32	
1,2-Dichlorobenzene	1.364	0.20	1.915	0	71.2	40	116	1.292	5.42	49	
1,3-Dichlorobenzene	1.373	0.20	1.915	0	71.7	40	113	1.196	13.8	47	
1,4-Dichlorobenzene	1.399	0.20	1.915	0	73.1	27	95	1.327	5.28	43	
3,3'-Dichlorobenzidine	2.478	0.20	1.915	0	129	10	164	2.129	15.2	53	
2,4-Dichlorophenol	2.964	0.20	3.828	0	77.4	54	118	2.546	15.2	39	
Diethyl phthalate	1.63	0.95	1.915	0	85.1	34	143	1.386	16.2	38	
Dimethyl phthalate	1.586	0.95	1.915	0	82.8	53	117	1.341	16.7	38	
2,4-Dimethylphenol	2.725	0.20	3.828	0	71.2	41	126	2.42	11.8	53	
Di-n-butyl phthalate	1.797	0.95	1.915	0	93.9	46	161	1.493	18.5	35	
4,6-Dinitro-2-methylphenol	3.354	0.38	3.828	0	87.6	10	162	2.761	19.4	75	
2,4-Dinitrophenol	3.281	0.95	3.828	0	85.7	10	138	2.797	15.9	22	
2,4-Dinitrotoluene	1.656	0.038	1.915	0	86.5	32	127	1.489	10.6	37	
2,6-Dinitrotoluene	1.637	0.038	1.915	0	85.5	51	119	1.324	21.1	44	
Di-n-octyl phthalate	1.794	0.95	1.915	0	93.7	60	168	1.511	17.1	41	
Fluoranthene	1.66	0.038	1.915	0	86.7	26	171	1.387	17.9	30	
Fluorene	1.634	0.038	1.915	0	85.4	49	127	1.432	13.2	28	
Hexachlorobenzene	1.609	0.20	1.915	0	84.1	34	128	1.386	14.9	41	
Hexachlorobutadiene	1.557	0.20	1.915	0	81.3	45	108	1.411	9.85	37	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154106**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23100964-002BMSD	ZZZZZ	MSD	mg/Kg-dry	SW8270C	11/1/2023	11/1/2023	SVOC-7_231101A				5978810
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorocyclopentadiene	1.569	0.20	1.915	0	81.9	10	117	1.297	19.0	83	
Hexachloroethane	1.351	0.20	1.915	0	70.6	34	128	1.255	7.41	41	
Indeno(1,2,3-cd)pyrene	1.532	0.038	1.915	0	80	59	178	1.389	9.78	34	
Isophorone	1.264	0.20	1.915	0	66	40	149	1.13	11.2	46	
2-Methylnaphthalene	1.568	0.20	1.915	0	81.9	56	116	1.339	15.7	50	
2-Methylphenol	2.748	0.20	3.828	0	71.8	43	135	2.486	9.99	43	
4-Methylphenol	2.955	0.20	3.828	0	77.2	50	154	2.662	10.4	42	
Naphthalene	1.43	0.038	1.915	0	74.7	44	124	1.227	15.3	49	
2-Nitroaniline	1.709	0.20	1.915	0	89.2	56	128	1.39	20.5	34	
3-Nitroaniline	1.823	0.20	1.915	0	95.2	42	126	1.504	19.1	36	
4-Nitroaniline	1.699	0.20	1.915	0	88.8	46	147	1.417	18.1	88	
Nitrobenzene	1.438	0.038	1.915	0	75.1	39	144	1.282	11.5	35	
2-Nitrophenol	2.863	0.20	3.828	0	74.8	46	123	2.573	10.7	47	
4-Nitrophenol	3.65	0.38	3.828	0	95.4	10	156	3.148	14.8	56	
N-Nitrosodimethylamine	1.322	0.20	1.915	0	69	15	164	1.372	3.75	55	
N-Nitrosodi-n-propylamine	1.314	0.038	1.915	0	68.6	16	122	1.115	16.4	47	
N-Nitrosodiphenylamine	1.38	0.038	1.915	0	72.1	48	104	1.14	19.1	28	
Pentachlorophenol	3.29	0.038	3.828	0	85.9	10	204	2.88	13.3	47	
Phenanthrene	1.581	0.038	1.915	0	82.6	47	145	1.424	10.5	25	
Phenol	2.7	0.20	3.828	0	70.5	20	103	2.353	13.7	66	
Pyrene	1.748	0.038	1.915	0	91.3	10	184	1.482	16.5	51	
Pyridine	1.558	0.77	1.915	0	81.4	10	166	1.502	3.65	41	
1,2,4-Trichlorobenzene	1.478	0.20	1.915	0	77.2	55	106	1.389	6.25	23	
2,4,5-Trichlorophenol	3.349	0.20	3.828	0	87.5	56	128	2.863	15.6	40	
2,4,6-Trichlorophenol	3.563	0.20	3.828	0	93.1	52	123	2.973	18.0	40	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-154110-SVOC			0.03	0	0	1	33.333	11/1/2023	11/1/2023
LCS-154110-SVOC			0.03	0	0	1	33.333	11/1/2023	11/1/2023
23101003-007B	Soil		0.03024	0	0	1	33.069	11/1/2023	11/1/2023
23101003-008B	Soil		0.03049	0	0	10	327.976	11/1/2023	11/1/2023
23101003-009B	Soil		0.03006	0	0	1	33.267	11/1/2023	11/1/2023
23101003-010B	Soil		0.03024	0	0	1	33.069	11/1/2023	11/1/2023
23101003-011B	Soil		0.03083	0	0	1	32.436	11/1/2023	11/1/2023
23101003-012B	Soil		0.03074	0	0	1	32.531	11/1/2023	11/1/2023
23101003-013B	Soil		0.03002	0	0	1	33.311	11/1/2023	11/1/2023
23101003-013BMS	Soil		0.03002	0	0	1	33.311	11/1/2023	11/1/2023
23101003-013BMSD	Soil		0.03002	0	0	1	33.311	11/1/2023	11/1/2023
23101003-014B	Soil		0.03059	0	0	10	326.904	11/1/2023	11/1/2023
23101003-015B	Soil		0.03049	0	0	1	32.798	11/1/2023	11/1/2023
23101003-016B	Soil		0.03006	0	0	1	33.267	11/1/2023	11/1/2023
23101003-017B	Soil		0.03046	0	0	10	328.299	11/1/2023	11/1/2023
23101003-018B	Soil		0.03054	0	0	10	327.439	11/1/2023	11/1/2023
23101003-019B	Soil		0.03046	0	0	1	32.830	11/1/2023	11/1/2023
23101003-020B	Soil		0.03074	0	0	1	32.531	11/1/2023	11/1/2023
23101003-021B	Soil		0.03062	0	0	10	326.584	11/1/2023	11/1/2023
23101003-022B	Soil		0.03024	0	0	1	33.069	11/1/2023	11/1/2023
23101003-023B	Soil		0.03017	0	0	1	33.146	11/1/2023	11/1/2023
23101003-024B	Soil		0.03028	0	0	1	33.025	11/1/2023	11/1/2023
23101003-025B	Soil		0.03042	0	0	1	32.873	11/1/2023	11/1/2023
23101003-026B	Soil		0.03042	0	0	1	32.873	11/1/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154110-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980223			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Aniline	ND	0.33									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzidine	ND	0.33									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Benzoic acid	ND	0.83									
Benzyl alcohol	ND	0.17									
Bis(2-chloroethoxy)methane	ND	0.17									
Bis(2-chloroethyl)ether	ND	0.17									
Bis(2-ethylhexyl)phthalate	ND	0.83									
4-Bromophenyl phenyl ether	ND	0.17									
Butyl benzyl phthalate	ND	0.83									
Carbazole	ND	0.17									
4-Chloroaniline	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154110-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980223			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33									
2-Chloronaphthalene	ND	0.17									
2-Chlorophenol	ND	0.17									
4-Chlorophenyl phenyl ether	ND	0.17									
2, 2'-oxybis(1-Chloropropane)	ND	0.17									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Dibenzofuran	ND	0.17									
1,2-Dichlorobenzene	ND	0.17									
1,3-Dichlorobenzene	ND	0.17									
1,4-Dichlorobenzene	ND	0.17									
3,3'-Dichlorobenzidine	ND	0.17									
2,4-Dichlorophenol	ND	0.17									
Diethyl phthalate	ND	0.83									
Dimethyl phthalate	ND	0.83									
2,4-Dimethylphenol	ND	0.17									
Di-n-butyl phthalate	ND	0.83									
4,6-Dinitro-2-methylphenol	ND	0.33									
2,4-Dinitrophenol	ND	0.83									
2,4-Dinitrotoluene	ND	0.033									
2,6-Dinitrotoluene	ND	0.033									
Di-n-octyl phthalate	ND	0.83									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Hexachlorobenzene	ND	0.17									
Hexachlorobutadiene	ND	0.17									
Hexachlorocyclopentadiene	ND	0.17									
Hexachloroethane	ND	0.17									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Isophorone	ND	0.17									
2-Methylnaphthalene	ND	0.17									
2-Methylphenol	ND	0.17									
4-Methylphenol	ND	0.17									
Naphthalene	ND	0.033									
2-Nitroaniline	ND	0.17									
3-Nitroaniline	ND	0.17									
4-Nitroaniline	ND	0.17									
Nitrobenzene	ND	0.033									
2-Nitrophenol	ND	0.17									
4-Nitrophenol	ND	0.33									
N-Nitrosodimethylamine	ND	0.17									
N-Nitrosodi-n-propylamine	ND	0.033									
N-Nitrosodiphenylamine	ND	0.17									
Pentachlorophenol	ND	0.067									
Phenanthrene	ND	0.033									
Phenol	ND	0.17									
Pyrene	ND	0.033									
Pyridine	ND	0.67									
1,2,4-Trichlorobenzene	ND	0.17									

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**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154110-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980223			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	ND	0.17									
2,4,6-Trichlorophenol	ND	0.17									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154110-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980224			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.14	0.033	1.667	0	68.4	24	139	0	0		
Acenaphthylene	1.257	0.033	1.667	0	75.4	42	127	0	0		
Aniline	0.971	0.33	1.667	0	58.2	10	160	0	0		
Anthracene	1.169	0.033	1.667	0	70.1	49	151	0	0		
Benz(a)anthracene	1.249	0.033	1.667	0	74.9	55	139	0	0		
Benzo(a)pyrene	1.227	0.033	1.667	0	73.6	49	155	0	0		
Benzo(b)fluoranthene	1.154	0.033	1.667	0	69.2	38	174	0	0		
Benzo(g,h,i)perylene	1.18	0.033	1.667	0	70.8	72	158	0	0		S
Benzo(k)fluoranthene	1.259	0.033	1.667	0	75.5	44	172	0	0		
Benzoic acid	2.213	0.83	3.333	0	66.4	16	156	0	0		
Benzyl alcohol	2.152	0.17	1.667	0	129	48	140	0	0		
Bis(2-chloroethoxy)methane	1.181	0.17	1.667	0	70.8	45	137	0	0		
Bis(2-chloroethyl)ether	1.123	0.17	1.667	0	67.4	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.27	0.83	1.667	0	76.2	55	174	0	0		
4-Bromophenyl phenyl ether	1.16	0.17	1.667	0	69.6	52	116	0	0		
Butyl benzyl phthalate	1.241	0.83	1.667	0	74.5	53	155	0	0		
Carbazole	1.244	0.17	1.667	0	74.6	53	139	0	0		
4-Chloroaniline	1.403	0.17	1.667	0	84.1	30	137	0	0		
4-Chloro-3-methylphenol	2.517	0.33	3.333	0	75.5	28	121	0	0		
2-Chloronaphthalene	1.333	0.17	1.667	0	79.9	52	111	0	0		
2-Chlorophenol	2.142	0.17	3.333	0	64.3	21	102	0	0		
4-Chlorophenyl phenyl ether	1.17	0.17	1.667	0	70.2	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	0.9263	0.17	1.667	0	55.6	13	148	0	0		
Chrysene	0.801	0.033	1.667	0	48.1	60	156	0	0		S
Dibenz(a,h)anthracene	0.9113	0.033	1.667	0	54.7	66	167	0	0		S
Dibenzofuran	1.191	0.17	1.667	0	71.4	57	124	0	0		
1,2-Dichlorobenzene	1.042	0.17	1.667	0	62.5	40	116	0	0		
1,3-Dichlorobenzene	1.06	0.17	1.667	0	63.6	40	113	0	0		
1,4-Dichlorobenzene	1.034	0.17	1.667	0	62	27	95	0	0		
3,3'-Dichlorobenzidine	1.622	0.17	1.667	0	97.3	10	164	0	0		
2,4-Dichlorophenol	2.248	0.17	3.333	0	67.4	54	118	0	0		
Diethyl phthalate	1.21	0.83	1.667	0	72.6	34	143	0	0		
Dimethyl phthalate	1.236	0.83	1.667	0	74.1	53	117	0	0		
2,4-Dimethylphenol	2.141	0.17	3.333	0	64.2	41	126	0	0		
Di-n-butyl phthalate	1.359	0.83	1.667	0	81.5	46	161	0	0		
4,6-Dinitro-2-methylphenol	2.295	0.33	3.333	0	68.9	10	162	0	0		
2,4-Dinitrophenol	2.438	0.83	3.333	0	73.1	10	138	0	0		
2,4-Dinitrotoluene	1.263	0.033	1.667	0	75.8	32	127	0	0		
2,6-Dinitrotoluene	1.216	0.033	1.667	0	72.9	51	119	0	0		
Di-n-octyl phthalate	1.265	0.83	1.667	0	75.9	60	168	0	0		
Fluoranthene	1.243	0.033	1.667	0	74.5	26	171	0	0		
Fluorene	1.164	0.033	1.667	0	69.8	49	127	0	0		
Hexachlorobenzene	1.121	0.17	1.667	0	67.3	34	128	0	0		

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**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154110-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980224			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorobutadiene	1.143	0.17	1.667	0	68.6	45	108	0	0		
Hexachlorocyclopentadiene	1.057	0.17	1.667	0	63.4	10	117	0	0		
Hexachloroethane	1.08	0.17	1.667	0	64.8	34	128	0	0		
Indeno(1,2,3-cd)pyrene	1.187	0.033	1.667	0	71.2	59	178	0	0		
Isophorone	1.005	0.17	1.667	0	60.3	40	149	0	0		
2-Methylnaphthalene	1.187	0.17	1.667	0	71.2	56	116	0	0		
2-Methylphenol	2.254	0.17	3.333	0	67.6	43	135	0	0		
4-Methylphenol	2.25	0.17	3.333	0	67.5	50	154	0	0		
Naphthalene	1.154	0.033	1.667	0	69.2	44	124	0	0		
2-Nitroaniline	1.265	0.17	1.667	0	75.9	56	128	0	0		
3-Nitroaniline	1.28	0.17	1.667	0	76.8	42	126	0	0		
4-Nitroaniline	1.239	0.17	1.667	0	74.3	46	147	0	0		
Nitrobenzene	1.131	0.033	1.667	0	67.8	39	144	0	0		
2-Nitrophenol	2.221	0.17	3.333	0	66.6	46	123	0	0		
4-Nitrophenol	2.551	0.33	3.333	0	76.5	10	156	0	0		
N-Nitrosodimethylamine	1.045	0.17	1.667	0	62.7	15	164	0	0		
N-Nitrosodi-n-propylamine	1.124	0.033	1.667	0	67.4	16	122	0	0		
N-Nitrosodiphenylamine	1.091	0.17	1.667	0	65.4	48	104	0	0		
Pentachlorophenol	2.056	0.067	3.333	0	61.7	10	204	0	0		
Phenanthrene	1.204	0.033	1.667	0	72.2	47	145	0	0		
Phenol	2.144	0.17	3.333	0	64.3	20	103	0	0		
Pyrene	1.27	0.033	1.667	0	76.2	10	184	0	0		
Pyridine	1.427	0.67	1.667	0	85.6	10	166	0	0		
1,2,4-Trichlorobenzene	1.067	0.17	1.667	0	64	55	106	0	0		
2,4,5-Trichlorophenol	2.346	0.17	3.333	0	70.4	56	128	0	0		
2,4,6-Trichlorophenol	2.389	0.17	3.333	0	71.7	52	123	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-013BMS	SB-04 (1-3) / 1031	MS	mg/Kg-dry	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980235			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.802	0.041	2.067	0.5902	58.6	24	139	0	0		
Acenaphthylene	1.622	0.041	2.067	0	78.5	42	127	0	0		
Aniline	0.9816	0.41	2.067	0	47.5	10	160	0	0		
Anthracene	2.656	0.041	2.067	2.122	25.8	49	151	0	0		S
Benz(a)anthracene	4.091	0.041	2.067	3.546	26.4	55	139	0	0		S
Benzo(a)pyrene	4.531	0.041	2.067	3.825	34.2	49	155	0	0		S
Benzo(b)fluoranthene	4.11	0.041	2.067	3.834	13.3	38	174	0	0		S
Benzo(g,h,i)perylene	3.157	0.041	2.067	2.131	49.7	72	158	0	0		S
Benzo(k)fluoranthene	3.066	0.041	2.067	1.529	74.3	44	172	0	0		
Benzoic acid	2.383	1.0	4.132	0	57.7	16	156	0	0		
Benzyl alcohol	2.652	0.21	2.067	0	128	48	140	0	0		
Bis(2-chloroethoxy)methane	1.43	0.21	2.067	0	69.2	45	137	0	0		
Bis(2-chloroethyl)ether	1.351	0.21	2.067	0	65.3	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.712	1.0	2.067	0	82.8	55	174	0	0		
4-Bromophenyl phenyl ether	1.611	0.21	2.067	0	77.9	52	116	0	0		
Butyl benzyl phthalate	1.586	1.0	2.067	0	76.7	53	155	0	0		
Carbazole	1.959	0.21	2.067	0.7295	59.5	53	139	0	0		
4-Chloroaniline	1.68	0.21	2.067	0	81.3	30	137	0	0		
4-Chloro-3-methylphenol	3.204	0.41	4.132	0	77.5	28	121	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23101003-013BMS	SB-04 (1-3) / 1031	MS	mg/Kg-dry	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A				5980235
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chloronaphthalene	1.704	0.21	2.067	0	82.4	52	111	0	0		
2-Chlorophenol	2.557	0.21	4.132	0	61.9	21	102	0	0		
4-Chlorophenyl phenyl ether	1.578	0.21	2.067	0	76.3	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	1.122	0.21	2.067	0	54.3	13	148	0	0		
Chrysene	3.434	0.041	2.067	3.394	1.92	60	156	0	0		S
Dibenz(a,h)anthracene	1.861	0.041	2.067	1.066	38.5	66	167	0	0		S
Dibenzofuran	1.829	0.21	2.067	0.5832	60.3	57	124	0	0		
1,2-Dichlorobenzene	1.326	0.21	2.067	0	64.1	40	116	0	0		
1,3-Dichlorobenzene	1.238	0.21	2.067	0	59.9	40	113	0	0		
1,4-Dichlorobenzene	1.29	0.21	2.067	0	62.4	27	95	0	0		
3,3'-Dichlorobenzidine	1.694	0.21	2.067	0	82	10	164	0	0		
2,4-Dichlorophenol	2.791	0.21	4.132	0	67.5	54	118	0	0		
Diethyl phthalate	1.566	1.0	2.067	0	75.8	34	143	0	0		
Dimethyl phthalate	1.484	1.0	2.067	0	71.8	53	117	0	0		
2,4-Dimethylphenol	2.653	0.21	4.132	0	64.2	41	126	0	0		
Di-n-butyl phthalate	1.76	1.0	2.067	0	85.2	46	161	0	0		
4,6-Dinitro-2-methylphenol	1.448	0.41	4.132	0	35	10	162	0	0		
2,4-Dinitrophenol	1.436	1.0	4.132	0	34.8	10	138	0	0		
2,4-Dinitrotoluene	1.644	0.041	2.067	0	79.5	32	127	0	0		
2,6-Dinitrotoluene	1.498	0.041	2.067	0	72.5	51	119	0	0		
Di-n-octyl phthalate	1.693	1.0	2.067	0	81.9	60	168	0	0		
Fluoranthene	6.379	0.041	2.067	7.338	-46.4	26	171	0	0		SE
Fluorene	1.988	0.041	2.067	0.9192	51.7	49	127	0	0		
Hexachlorobenzene	1.566	0.21	2.067	0	75.8	34	128	0	0		
Hexachlorobutadiene	1.506	0.21	2.067	0	72.8	45	108	0	0		
Hexachlorocyclopentadiene	0.7832	0.21	2.067	0	37.9	10	117	0	0		
Hexachloroethane	1.304	0.21	2.067	0	63.1	34	128	0	0		
Indeno(1,2,3-cd)pyrene	2.949	0.041	2.067	1.88	51.7	59	178	0	0		S
Isophorone	1.174	0.21	2.067	0	56.8	40	149	0	0		
2-Methylnaphthalene	1.763	0.21	2.067	0.4009	65.9	56	116	0	0		
2-Methylphenol	2.706	0.21	4.132	0	65.5	43	135	0	0		
4-Methylphenol	2.706	0.21	4.132	0	65.5	50	154	0	0		
Naphthalene	1.638	0.041	2.067	0.3848	60.6	44	124	0	0		
2-Nitroaniline	1.555	0.21	2.067	0	75.2	56	128	0	0		
3-Nitroaniline	1.57	0.21	2.067	0	76	42	126	0	0		
4-Nitroaniline	1.587	0.21	2.067	0	76.8	46	147	0	0		
Nitrobenzene	1.345	0.041	2.067	0	65.1	39	144	0	0		
2-Nitrophenol	2.702	0.21	4.132	0	65.4	46	123	0	0		
4-Nitrophenol	2.742	0.41	4.132	0	66.3	10	156	0	0		
N-Nitrosodimethylamine	1.226	0.21	2.067	0	59.3	15	164	0	0		
N-Nitrosodi-n-propylamine	1.324	0.041	2.067	0	64.1	16	122	0	0		
N-Nitrosodiphenylamine	1.446	0.21	2.067	0	70	48	104	0	0		
Pentachlorophenol	3.008	0.083	4.132	0	72.8	10	204	0	0		
Phenanthrene	4.896	0.041	2.067	6.499	-77.5	47	145	0	0		S
Phenol	2.574	0.21	4.132	0	62.3	20	103	0	0		
Pyrene	5.953	0.041	2.067	6.354	-19.4	10	184	0	0		SE
Pyridine	1.392	0.83	2.067	0	67.3	10	166	0	0		
1,2,4-Trichlorobenzene	1.309	0.21	2.067	0	63.3	55	106	0	0		
2,4,5-Trichlorophenol	2.993	0.21	4.132	0	72.4	56	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-013BMS	SB-04 (1-3) / 1031	MS	mg/Kg-dry	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980235			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,6-Trichlorophenol	3.136	0.21	4.132	0	75.9	52	123	0	0		
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Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-013BMSD	SB-04 (1-3) / 1031	MSD	mg/Kg-dry	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A	5980236			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene	3.536	0.041	2.067	0.5902	143	24	139	1.802	65.0	57	SR
Acenaphthylene	1.867	0.041	2.067	0	90.3	42	127	1.622	14.1	34	
Aniline	1.256	0.41	2.067	0	60.8	10	160	0.9816	24.6	44	
Anthracene	8.01	0.041	2.067	2.122	285	49	151	2.656	100	43	SRE
Benz(a)anthracene	9.451	0.041	2.067	3.546	286	55	139	4.091	79.2	34	SRE
Benzo(a)pyrene	9.647	0.041	2.067	3.825	282	49	155	4.531	72.2	41	SRE
Benzo(b)fluoranthene	7.513	0.041	2.067	3.834	178	38	174	4.11	58.6	38	SRE
Benzo(g,h,i)perylene	5.768	0.041	2.067	2.131	176	72	158	3.157	58.5	35	SRE
Benzo(k)fluoranthene	7.413	0.041	2.067	1.529	285	44	172	3.066	83.0	42	SRE
Benzoic acid	2.713	1.0	4.132	0	65.6	16	156	2.383	12.9	45	
Benzyl alcohol	3.146	0.21	2.067	0	152	48	140	2.652	17.0	43	S
Bis(2-chloroethoxy)methane	1.715	0.21	2.067	0	83	45	137	1.43	18.1	40	
Bis(2-chloroethyl)ether	1.581	0.21	2.067	0	76.5	21	167	1.351	15.7	39	
Bis(2-ethylhexyl)phthalate	1.954	1.0	2.067	0	94.5	55	174	1.712	13.2	31	
4-Bromophenyl phenyl ether	1.742	0.21	2.067	0	84.3	52	116	1.611	7.86	38	
Butyl benzyl phthalate	1.795	1.0	2.067	0	86.9	53	155	1.586	12.4	42	
Carbazole	4.352	0.21	2.067	0.7295	175	53	139	1.959	75.8	36	SR
4-Chloroaniline	1.878	0.21	2.067	0	90.8	30	137	1.68	11.1	32	
4-Chloro-3-methylphenol	3.548	0.41	4.132	0	85.9	28	121	3.204	10.2	88	
2-Chloronaphthalene	1.906	0.21	2.067	0	92.2	52	111	1.704	11.2	34	
2-Chlorophenol	3.08	0.21	4.132	0	74.5	21	102	2.557	18.5	49	
4-Chlorophenyl phenyl ether	1.698	0.21	2.067	0	82.1	53	127	1.578	7.34	34	
2, 2'-oxybis(1-Chloropropane)	1.334	0.21	2.067	0	64.5	13	148	1.122	17.2	42	
Chrysene	8.35	0.041	2.067	3.394	240	60	156	3.434	83.4	33	SRE
Dibenz(a,h)anthracene	3.103	0.041	2.067	1.066	98.5	66	167	1.861	50.0	39	R
Dibenzofuran	3.764	0.21	2.067	0.5832	154	57	124	1.829	69.2	32	SR
1,2-Dichlorobenzene	1.504	0.21	2.067	0	72.8	40	116	1.326	12.6	49	
1,3-Dichlorobenzene	1.496	0.21	2.067	0	72.4	40	113	1.238	18.8	47	
1,4-Dichlorobenzene	1.561	0.21	2.067	0	75.5	27	95	1.29	19.0	43	
3,3'-Dichlorobenzidine	2.006	0.21	2.067	0	97	10	164	1.694	16.8	53	
2,4-Dichlorophenol	3.291	0.21	4.132	0	79.6	54	118	2.791	16.4	39	
Diethyl phthalate	1.716	1.0	2.067	0	83	34	143	1.566	9.17	38	
Dimethyl phthalate	1.656	1.0	2.067	0	80.1	53	117	1.484	11.0	38	
2,4-Dimethylphenol	3.258	0.21	4.132	0	78.8	41	126	2.653	20.5	53	
Di-n-butyl phthalate	1.973	1.0	2.067	0	95.5	46	161	1.76	11.4	35	
4,6-Dinitro-2-methylphenol	1.826	0.41	4.132	0	44.2	10	162	1.448	23.1	75	
2,4-Dinitrophenol	1.822	1.0	4.132	0	44.1	10	138	1.436	23.7	22	R
2,4-Dinitrotoluene	1.846	0.041	2.067	0	89.3	32	127	1.644	11.6	37	
2,6-Dinitrotoluene	1.709	0.041	2.067	0	82.7	51	119	1.498	13.2	44	
Di-n-octyl phthalate	1.854	1.0	2.067	0	89.7	60	168	1.693	9.06	41	
Fluoranthene	19.15	0.041	2.067	7.338	572	26	171	6.379	100	30	SRE
Fluorene	4.812	0.041	2.067	0.9192	188	49	127	1.988	83.1	28	SR
Hexachlorobenzene	1.73	0.21	2.067	0	83.7	34	128	1.566	9.91	41	
Hexachlorobutadiene	1.673	0.21	2.067	0	80.9	45	108	1.506	10.5	37	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154110**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23101003-013BMSD	SB-04 (1-3) / 1031	MSD	mg/Kg-dry	SW8270C	11/1/2023	11/2/2023	SVOC-8_231102A				5980236
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorocyclopentadiene	0.8716	0.21	2.067	0	42.2	10	117	0.7832	10.7	83	
Hexachloroethane	1.449	0.21	2.067	0	70.1	34	128	1.304	10.5	41	
Indeno(1,2,3-cd)pyrene	5.364	0.041	2.067	1.88	169	59	178	2.949	58.1	34	RE
Isophorone	1.394	0.21	2.067	0	67.4	40	149	1.174	17.2	46	
2-Methylnaphthalene	2.941	0.21	2.067	0.4009	123	56	116	1.763	50.1	50	SR
2-Methylphenol	3.384	0.21	4.132	0	81.9	43	135	2.706	22.3	43	
4-Methylphenol	3.382	0.21	4.132	0	81.8	50	154	2.706	22.2	42	
Naphthalene	3.535	0.041	2.067	0.3848	152	44	124	1.638	73.3	49	SR
2-Nitroaniline	1.767	0.21	2.067	0	85.5	56	128	1.555	12.8	34	
3-Nitroaniline	1.742	0.21	2.067	0	84.3	42	126	1.57	10.4	36	
4-Nitroaniline	1.759	0.21	2.067	0	85.1	46	147	1.587	10.3	88	
Nitrobenzene	1.625	0.041	2.067	0	78.6	39	144	1.345	18.8	35	
2-Nitrophenol	3.21	0.21	4.132	0	77.7	46	123	2.702	17.2	47	
4-Nitrophenol	3.201	0.41	4.132	0	77.5	10	156	2.742	15.5	56	
N-Nitrosodimethylamine	1.482	0.21	2.067	0	71.7	15	164	1.226	18.9	55	
N-Nitrosodi-n-propylamine	1.503	0.041	2.067	0	72.7	16	122	1.324	12.6	47	
N-Nitrosodiphenylamine	1.668	0.21	2.067	0	80.7	48	104	1.446	14.3	28	
Pentachlorophenol	3.073	0.083	4.132	0	74.4	10	204	3.008	2.15	47	
Phenanthrene	20.01	0.041	2.067	6.499	654	47	145	4.896	121	25	SRE
Phenol	3.015	0.21	4.132	0	73	20	103	2.574	15.8	66	
Pyrene	15.68	0.041	2.067	6.354	451	10	184	5.953	89.9	51	SRE
Pyridine	1.671	0.83	2.067	0	80.8	10	166	1.392	18.2	41	
1,2,4-Trichlorobenzene	1.594	0.21	2.067	0	77.1	55	106	1.309	19.6	23	
2,4,5-Trichlorophenol	3.146	0.21	4.132	0	76.1	56	128	2.993	5.01	40	
2,4,6-Trichlorophenol	3.61	0.21	4.132	0	87.3	52	123	3.136	14.1	40	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8082A                      **Matrix:** S

**QC Summary Report**  
**Surrogate Recoveries**

Sample ID	CL10BZ2	XYL2456CLM						
23101003-001B	41.4	128						
23101003-005B	123	76.8						
23101003-008B	49.5	54.5						
23101003-011B	69.7	64.6						
23101003-014B	45.5	53.5						
23101003-017B	46.5	67.7						
23101003-018B	31.3	53.5						
23101003-021B	30.3	42.4						
MB-154113-PP	48.5	86.9						
LCS-154113-PCB	55.6	101						
23101003-018BMS	37.4	53.5						
23101003-018BMSD	31.3	47.5						

Acronym	Surrogate	QC Limits
CL10BZ2	= Decachlorobiphenyl	30-150
XYL2456CLM	= Tetrachloro-m-xylene	30-150

\* Surrogate recovery outside acceptance limits



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8081B                      **Matrix:** S

**QC Summary Report**  
**Surrogate Recoveries**

Sample ID	CL10BZ2	XYL2456CLM						
23101003-001B	60.6	85.9						
23101003-005B	90.9	60.6						
23101003-008B	87.9	43.4						
23101003-011B	110	56.6						
23101003-014B	68.7	46.5						
23101003-017B	75.8	56.6						
23101003-018B	52.5	42.4						
23101003-021B	44.4	35.4						
MB-154113-PP	77.8	77.8						
LCS-154113-PEST	71.7	69.7						
23101003-018BMST	30.3	35.4						
23101003-018BMSD	49.5	31.3						

Acronym	Surrogate	QC Limits
CL10BZ2	= Decachlorobiphenyl	30-150
XYL2456CLM	= Tetrachloro-m-xylene	30-150

\* Surrogate recovery outside acceptance limits



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154113**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-154113-PP			0.03	0	0	10	333.333	11/1/2023	11/1/2023
LCS-154113-PCB			0.03	0	0	10	333.333	11/1/2023	11/1/2023
LCS-154113-PEST			0.03	0	0	10	333.333	11/1/2023	11/1/2023
23101003-001B	Soil		0.03013	0	0	10	331.895	11/1/2023	11/1/2023
23101003-005B	Soil		0.03024	0	0	10	330.688	11/1/2023	11/1/2023
23101003-008B	Soil		0.03018	0	0	10	331.345	11/1/2023	11/1/2023
23101003-011B	Soil		0.03052	0	0	10	327.654	11/1/2023	11/1/2023
23101003-014B	Soil		0.03048	0	0	10	328.084	11/1/2023	11/1/2023
23101003-017B	Soil		0.03062	0	0	10	326.584	11/1/2023	11/1/2023
23101003-018B	Soil		0.03006	0	0	10	332.668	11/1/2023	11/1/2023
23101003-018BMS	Soil		0.03005	0	0	10	332.779	11/1/2023	11/1/2023
23101003-018BMSD	Soil		0.03006	0	0	10	332.668	11/1/2023	11/1/2023
23101003-021B	Soil		0.03012	0	0	10	332.005	11/1/2023	11/1/2023
23101003-018BMST	Soil		0.03006	0	0	10	332.668	11/1/2023	11/1/2023
23101003-018BMSDT	Soil		0.03007	0	0	10	332.557	11/1/2023	11/1/2023
23110011-001B	Soil		0.03015	0	0	10	331.675	11/2/2023	11/2/2023
23110011-002B	Soil		0.03022	0	0	10	330.907	11/2/2023	11/2/2023
23110011-003B	Soil		0.0306	0	0	10	326.797	11/2/2023	11/2/2023
23110011-004B	Soil		0.03016	0	0	10	331.565	11/2/2023	11/2/2023
23110011-005B	Soil		0.03034	0	0	10	329.598	11/2/2023	11/2/2023
23110011-006B	Soil		0.03025	0	0	10	330.579	11/2/2023	11/2/2023
23110011-007B	Soil		0.03025	0	0	10	330.579	11/2/2023	11/2/2023
23110011-008B	Soil		0.03029	0	0	10	330.142	11/2/2023	11/2/2023
23110027-001B	Soil		0.03065	0	0	10	326.264	11/2/2023	11/2/2023
23110027-004B	Soil		0.0307	0	0	10	325.733	11/2/2023	11/2/2023
23110027-007B	Soil		0.03018	0	0	10	331.345	11/2/2023	11/2/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>MB-154113-PP</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW8082A</b>	<b>11/1/2023</b>	<b>11/2/2023</b>	<b>GC-ECD_231103A</b>	<b>5981935</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	ND	0.080										
Aroclor 1221	ND	0.080										
Aroclor 1232	ND	0.080										
Aroclor 1242	ND	0.080										
Aroclor 1248	ND	0.080										
Aroclor 1254	ND	0.080										
Aroclor 1260	ND	0.080										

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>LCS-154113-PCB</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW8082A</b>	<b>11/1/2023</b>	<b>11/2/2023</b>	<b>GC-ECD_231103A</b>	<b>5981936</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	0.4897	0.080	0.333	0	147	30	150	0	0			
Aroclor 1260	0.3739	0.080	0.333	0	112	30	150	0	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154113**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-018BMS	SB-06 (0.5) / 1031	MS	mg/Kg-dry	SW8082A	11/1/2023	11/2/2023	GC-ECD_231103A	5981938			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	0.3264	0.084	0.3513	0	92.9	30	150	0	0		
Aroclor 1260	0.2375	0.084	0.3513	0	67.6	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-018BMSD	SB-06 (0.5) / 1031	MSD	mg/Kg-dry	SW8082A	11/1/2023	11/2/2023	GC-ECD_231103A	5981939			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	0.2718	0.084	0.3512	0	77.4	30	150	0.3264	18.2	25	
Aroclor 1260	0.2056	0.084	0.3512	0	58.6	30	150	0.2375	14.4	25	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154113-PP	ZZZZZ	MBLK	mg/Kg	SW8081B	11/1/2023	11/2/2023	GC-ECD_231103A	5981934			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDD	ND	0.0016									
4,4'-DDE	ND	0.0016									
4,4'-DDT	ND	0.0016									
Aldrin	ND	0.0016									
alpha-BHC	ND	0.0016									
alpha-Chlordane	ND	0.0016									
beta-BHC	ND	0.0016									
Chlordane	ND	0.016									
delta-BHC	ND	0.0016									
Dieldrin	ND	0.0016									
Endosulfan I	ND	0.0016									
Endosulfan II	ND	0.0016									
Endosulfan sulfate	ND	0.0016									
Endrin	ND	0.0016									
Endrin aldehyde	ND	0.0016									
Endrin ketone	ND	0.0016									
gamma-BHC	ND	0.0016									
gamma-Chlordane	ND	0.0016									
Heptachlor	ND	0.0016									
Heptachlor epoxide	ND	0.0016									
Methoxychlor	ND	0.0016									
Toxaphene	ND	0.033									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154113-PEST	ZZZZZ	LCS	mg/Kg	SW8081B	11/1/2023	11/2/2023	GC-ECD_231103A	5981937			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDD	0.004	0.0016	0.0083	0	48.2	30	150	0	0		
4,4'-DDE	0.005667	0.0016	0.0083	0	68.3	30	150	0	0		
4,4'-DDT	0.002667	0.0016	0.0083	0	32.1	30	150	0	0		
Aldrin	0.006333	0.0016	0.0083	0	76.3	30	150	0	0		
alpha-BHC	0.003333	0.0016	0.0083	0	40.2	30	150	0	0		
alpha-Chlordane	0.004667	0.0016	0.0083	0	56.2	30	150	0	0		
beta-BHC	0.003	0.0016	0.0083	0	36.1	30	150	0	0		
delta-BHC	0.003333	0.0016	0.0083	0	40.2	30	150	0	0		
Dieldrin	0.006333	0.0016	0.0083	0	76.3	30	150	0	0		
Endosulfan I	0.007333	0.0016	0.0083	0	88.4	30	150	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154113**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
LCS-154113-PEST	ZZZZZ	LCS	mg/Kg	SW8081B	11/1/2023	11/2/2023	GC-ECD_231103A				5981937
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endosulfan II	0.005333	0.0016	0.0083	0	64.3	30	150	0	0		
Endosulfan sulfate	0.002667	0.0016	0.0083	0	32.1	30	150	0	0		
Endrin	0.004333	0.0016	0.0083	0	52.2	30	150	0	0		
Endrin aldehyde	0.007	0.0016	0.0083	0	84.3	30	150	0	0		
Endrin ketone	0.002667	0.0016	0.0083	0	32.1	30	150	0	0		
gamma-BHC	0.003	0.0016	0.0083	0	36.1	30	150	0	0		
gamma-Chlordane	0.005	0.0016	0.0083	0	60.2	30	150	0	0		
Heptachlor	0.0006667	0.0016	0.0083	0	8.03	30	150	0	0		JS
Heptachlor epoxide	0.004333	0.0016	0.0083	0	52.2	30	150	0	0		
Methoxychlor	0.004	0.0016	0.0083	0	48.2	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23101003-018BMST	SB-06 (0.5) / 1031	MS	mg/Kg-dry	SW8081B	11/1/2023	11/2/2023	GC-ECD_231103A				5981940
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
4,4'-DDE	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
4,4'-DDT	0.003867	0.0017	0.008753	0	44.2	30	150	0	0		
Aldrin	0.003867	0.0017	0.008753	0	44.2	30	150	0	0		
alpha-BHC	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
alpha-Chlordane	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
beta-BHC	0.003164	0.0017	0.008753	0	36.1	30	150	0	0		
delta-BHC	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
Dieldrin	0.006327	0.0017	0.008753	0	72.3	30	150	0	0		
Endosulfan I	0.00457	0.0017	0.008753	0	52.2	30	150	0	0		
Endosulfan II	0.003867	0.0017	0.008753	0	44.2	30	150	0	0		
Endosulfan sulfate	0.005624	0.0017	0.008753	0	64.3	30	150	0	0		
Endrin	0.003867	0.0017	0.008753	0	44.2	30	150	0	0		
Endrin aldehyde	0.003164	0.0017	0.008753	0	36.1	30	150	0	0		
Endrin ketone	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
gamma-BHC	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
gamma-Chlordane	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
Heptachlor	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
Heptachlor epoxide	0.002812	0.0017	0.008753	0	32.1	30	150	0	0		
Methoxychlor	0.004218	0.0017	0.008753	0	48.2	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23101003-018BMSDT	SB-06 (0.5) / 1031	MSD	mg/Kg-dry	SW8081B	11/1/2023	11/2/2023	GC-ECD_231103A				5981941
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	0.003514	0.0017	0.00875	0	40.2	30	150	0.002812	22.2	25	
4,4'-DDE	0.002811	0.0017	0.00875	0	32.1	30	150	0.002812	0.0333	25	
4,4'-DDT	0.004568	0.0017	0.00875	0	52.2	30	150	0.003867	16.6	25	
Aldrin	0.004217	0.0017	0.00875	0	48.2	30	150	0.003867	8.66	25	
alpha-BHC	0.003163	0.0017	0.00875	0	36.1	30	150	0.002812	11.7	25	
alpha-Chlordane	0.002811	0.0017	0.00875	0	32.1	30	150	0.002812	0.0333	25	
beta-BHC	0.003865	0.0017	0.00875	0	44.2	30	150	0.003164	20.0	25	
delta-BHC	0.002811	0.0017	0.00875	0	32.1	30	150	0.002812	0.0333	25	
Dieldrin	0.007379	0.0017	0.00875	0	84.3	30	150	0.006327	15.4	25	
Endosulfan I	0.003865	0.0017	0.00875	0	44.2	30	150	0.00457	16.7	25	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154113**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-018BMSDT	SB-06 (0.5) / 1031	MSD	mg/Kg-dry	SW8081B	11/1/2023	11/2/2023	GC-ECD_231103A	5981941			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endosulfan II	0.004919	0.0017	0.00875	0	56.2	30	150	0.003867	24.0	25	
Endosulfan sulfate	0.005974	0.0017	0.00875	0	68.3	30	150	0.005624	6.03	25	
Endrin	0.003163	0.0017	0.00875	0	36.1	30	150	0.003867	20.0	25	
Endrin aldehyde	0.003865	0.0017	0.00875	0	44.2	30	150	0.003164	20.0	25	
Endrin ketone	0.003163	0.0017	0.00875	0	36.1	30	150	0.002812	11.7	25	
gamma-BHC	0.003514	0.0017	0.00875	0	40.2	30	150	0.002812	22.2	25	
gamma-Chlordane	0.003163	0.0017	0.00875	0	36.1	30	150	0.002812	11.7	25	
Heptachlor	0.002811	0.0017	0.00875	0	32.1	30	150	0.002812	0.0333	25	
Heptachlor epoxide	0.003163	0.0017	0.00875	0	36.1	30	150	0.002812	11.7	25	
Methoxychlor	0.004217	0.0017	0.00875	0	48.2	30	150	0.004218	0.0333	25	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154131**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 11/1/23			1.067	0	0	50	46.860	11/1/2023	11/1/2023
ILCSS1 11/1/23			1.085	0	0	50	46.083	11/1/2023	11/1/2023
23101003-001B	Soil		1.007	0	0	50	49.652	11/1/2023	11/1/2023
23101003-002B	Soil		1.039	0	0	50	48.123	11/1/2023	11/1/2023
23101003-003B	Soil		1.095	0	0	50	45.662	11/1/2023	11/1/2023
23101003-004B	Soil		1.05	0	0	50	47.619	11/1/2023	11/1/2023
23101003-005B	Soil		1.138	0	0	50	43.937	11/1/2023	11/1/2023
23101003-006B	Soil		1.14	0	0	50	43.860	11/1/2023	11/1/2023
23101003-007B	Soil		1.187	0	0	50	42.123	11/1/2023	11/1/2023
23101003-008B	Soil		1.084	0	0	50	46.125	11/1/2023	11/1/2023
23101003-009B	Soil		1.076	0	0	50	46.468	11/1/2023	11/1/2023
23101003-010B	Soil		1.182	0	0	50	42.301	11/1/2023	11/1/2023
23101003-011B	Soil		1.082	0	0	50	46.211	11/1/2023	11/1/2023
23101003-012B	Soil		1.082	0	0	50	46.211	11/1/2023	11/1/2023
23101003-013B	Soil		1.061	0	0	50	47.125	11/1/2023	11/1/2023
23101003-014B	Soil		1.191	0	0	50	41.982	11/1/2023	11/1/2023
23101003-015B	Soil		1.089	0	0	50	45.914	11/1/2023	11/1/2023
23101003-016B	Soil		1.073	0	0	50	46.598	11/1/2023	11/1/2023
23101003-017B	Soil		1.085	0	0	50	46.083	11/1/2023	11/1/2023
23101003-018B	Soil		1.169	0	0	50	42.772	11/1/2023	11/1/2023
23101003-019B	Soil		1.117	0	0	50	44.763	11/1/2023	11/1/2023
23101003-020B	Soil		1.001	0	0	50	49.950	11/1/2023	11/1/2023
23101003-010BMS	Soil		1.024	0	0	50	48.828	11/1/2023	11/1/2023
23101003-010BMSD	Soil		1.025	0	0	50	48.780	11/1/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS1 11/1/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978553			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	0.4814	9.4									J
Antimony	ND	0.94									
Arsenic	ND	0.47									
Barium	ND	0.47									
Beryllium	ND	0.23									
Cadmium	ND	0.23									
Calcium	ND	28									
Chromium	ND	0.47									
Cobalt	ND	0.47									
Copper	ND	1.2									
Iron	ND	14									
Lead	ND	0.23									
Magnesium	ND	14									
Manganese	ND	0.47									
Nickel	0.1274	0.47									J
Potassium	ND	14									
Selenium	ND	0.47									
Silver	ND	0.47									
Sodium	ND	28									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**

**Metals**

**BatchID: 154131**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS1 11/1/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978553			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Thallium	0.1332	0.47									J
Vanadium	ND	0.47									
Zinc	ND	2.3									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS1 11/1/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978552			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	23.84	9.2	23.04	0	103	80	120	0	0		
Antimony	12.03	0.92	11.52	0	104	80	120	0	0		
Arsenic	23.74	0.46	23.04	0	103	80	120	0	0		
Barium	24.91	0.46	23.04	0	108	80	120	0	0		
Cadmium	23.81	0.23	23.04	0	103	80	120	0	0		
Calcium	305.8	28	276.5	0	111	80	120	0	0		
Chromium	25.22	0.46	23.04	0	109	80	120	0	0		
Cobalt	25.27	0.46	23.04	0	110	80	120	0	0		
Copper	25.28	1.2	23.04	0	110	80	120	0	0		
Iron	319.7	14	276.5	0	116	80	120	0	0		
Lead	24.73	0.23	23.04	0	107	80	120	0	0		
Magnesium	298.4	14	276.5	0	108	80	120	0	0		
Manganese	24.11	0.46	23.04	0	105	80	120	0	0		
Nickel	26.09	0.46	23.04	0	113	80	120	0	0		
Potassium	310.5	14	276.5	0	112	80	120	0	0		
Selenium	21.02	0.46	23.04	0	91.2	80	120	0	0		
Silver	10.35	0.46	9.217	0	112	80	120	0	0		
Sodium	302.6	28	276.5	0	109	80	120	0	0		
Thallium	24.09	0.46	23.04	0	105	80	120	0	0		
Vanadium	24.76	0.46	23.04	0	107	80	120	0	0		
Zinc	23.07	2.3	23.04	0	100	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS1 11/1/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979239			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	20.53	0.23	23.04	0	89.1	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-010BMS	SB-03 (4-6) / 1031	MS	mg/Kg-dry	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978556			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	13220	23	29.27	12000	4170	75	125	0	0		S
Lead	54.59	0.59	29.27	27.12	93.8	75	125	0	0		
Selenium	26.69	1.2	29.27	0.7616	88.6	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-010BMS	SB-03 (4-6) / 1031	MS	mg/Kg-dry	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979247			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	1.875	2.3	14.64	0	12.8	75	125	0	0		JS
Arsenic	34.46	1.2	29.27	11.82	77.3	75	125	0	0		
Barium	89.22	1.2	29.27	52.97	124	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**

**Metals**  
**BatchID: 154131**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-010BMS	SB-03 (4-6) / 1031	MS	mg/Kg-dry	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979247			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	29.52	0.59	29.27	0.7109	98.4	75	125	0	0		
Cadmium	28.46	0.59	29.27	0.3623	96	75	125	0	0		
Calcium	44750	70	351.3	79590	-9920	75	125	0	0		S
Chromium	50.53	1.2	29.27	22.32	96.4	75	125	0	0		
Cobalt	43.88	1.2	29.27	17.2	91.1	75	125	0	0		
Copper	52.75	2.9	29.27	27.26	87.1	75	125	0	0		
Iron	31210	35	351.3	38760	-2150	75	125	0	0		S
Magnesium	17350	35	351.3	23190	-1660	75	125	0	0		S
Manganese	539.5	1.2	29.27	1020	-1640	75	125	0	0		S
Nickel	62.4	1.2	29.27	38.31	82.3	75	125	0	0		
Potassium	2516	35	351.3	2438	22.3	75	125	0	0		S
Silver	12.29	1.2	11.71	0.05347	104	75	125	0	0		
Sodium	450.6	70	351.3	103.9	98.7	75	125	0	0		
Thallium	29.75	1.2	29.27	0.4925	99.9	75	125	0	0		
Vanadium	55.03	1.2	29.27	30.86	82.6	75	125	0	0		
Zinc	77.21	5.9	29.27	65.97	38.4	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-010BMSD	SB-03 (4-6) / 1031	MSD	mg/Kg-dry	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978557			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	12390	23	29.24	12000	1350	75	125	13220	6.47	20	S
Lead	57.33	0.58	29.24	27.12	103	75	125	54.59	4.90	20	
Selenium	24.3	1.2	29.24	0.7616	80.5	75	125	26.69	9.41	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23101003-010BMSD	SB-03 (4-6) / 1031	MSD	mg/Kg-dry	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979248			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	1.856	2.3	14.62	0	12.7	75	125	1.875	0	20	JS
Arsenic	35.34	1.2	29.24	11.82	80.4	75	125	34.46	2.52	20	
Barium	82.73	1.2	29.24	52.97	102	75	125	89.22	7.55	20	
Beryllium	29.71	0.58	29.24	0.7109	99.2	75	125	29.52	0.647	20	
Cadmium	28.35	0.58	29.24	0.3623	95.7	75	125	28.46	0.378	20	
Calcium	68850	70	350.9	79590	-3060	75	125	44750	42.4	20	SR
Chromium	52.11	1.2	29.24	22.32	102	75	125	50.53	3.09	20	
Cobalt	44.99	1.2	29.24	17.2	95	75	125	43.88	2.51	20	
Copper	54.42	2.9	29.24	27.26	92.9	75	125	52.75	3.12	20	
Iron	36960	35	350.9	38760	-513	75	125	31210	16.9	20	S
Magnesium	20990	35	350.9	23190	-627	75	125	17350	19.0	20	S
Manganese	848	1.2	29.24	1020	-589	75	125	539.5	44.5	20	SR
Nickel	65.53	1.2	29.24	38.31	93.1	75	125	62.4	4.90	20	
Potassium	2371	35	350.9	2438	-19	75	125	2516	5.93	20	S
Silver	11.97	1.2	11.7	0.05347	102	75	125	12.29	2.63	20	
Sodium	446.6	70	350.9	103.9	97.7	75	125	450.6	0.882	20	
Thallium	30.05	1.2	29.24	0.4925	101	75	125	29.75	1.00	20	
Vanadium	56.47	1.2	29.24	30.86	87.6	75	125	55.03	2.58	20	
Zinc	81.02	5.8	29.24	65.97	51.5	75	125	77.21	4.81	20	S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154132**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 11/1/23			1.1	0	0	50	45.455	11/1/2023	11/1/2023
ILCSS2 11/1/23			1.023	0	0	50	48.876	11/1/2023	11/1/2023
23101003-021B	Soil		1.192	0	0	50	41.946	11/1/2023	11/1/2023
23101003-022B	Soil		1.196	0	0	50	41.806	11/1/2023	11/1/2023
23101003-023B	Soil		1.188	0	0	50	42.088	11/1/2023	11/1/2023
23101003-024B	Soil		1.21	0	0	50	41.322	11/1/2023	11/1/2023
23101003-025B	Soil		1.171	0	0	50	42.699	11/1/2023	11/1/2023
23101003-026B	Soil		1.02	0	0	50	49.020	11/1/2023	11/1/2023
23100860-001B	Soil		1.14	0	0	50	43.860	11/1/2023	11/1/2023
23100860-002B	Soil		1.109	0	0	50	45.086	11/1/2023	11/1/2023
23100860-003B	Soil		1.178	0	0	50	42.445	11/1/2023	11/1/2023
23100860-004B	Soil		1.121	0	0	50	44.603	11/1/2023	11/1/2023
23100860-005B	Soil		1.074	0	0	50	46.555	11/1/2023	11/1/2023
23100860-006B	Soil		1.131	0	0	50	44.209	11/1/2023	11/1/2023
23100860-007B	Soil		1.161	0	0	50	43.066	11/1/2023	11/1/2023
23100860-008B	Soil		1.092	0	0	50	45.788	11/1/2023	11/1/2023
23100827-001A	Solid		1.029	0	0	50	48.591	11/1/2023	11/1/2023
23100835-011B	Soil		1.138	0	0	50	43.937	11/1/2023	11/1/2023
23100835-012B	Soil		1.048	0	0	50	47.710	11/1/2023	11/1/2023
23100835-013B	Soil		1.188	0	0	50	42.088	11/1/2023	11/1/2023
23100866-001A	Soil		1.099	0	0	50	45.496	11/1/2023	11/1/2023
23100866-002A	Soil		1.137	0	0	50	43.975	11/1/2023	11/1/2023
23100860-004BMS	Soil		1.181	0	0	50	42.337	11/1/2023	11/1/2023
23100860-004BMSD	Soil		1.182	0	0	50	42.301	11/1/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS2 11/1/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978451			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	ND	9.1									
Antimony	ND	0.91									
Arsenic	ND	0.45									
Barium	ND	0.45									
Beryllium	ND	0.23									
Cadmium	ND	0.23									
Calcium	ND	27									
Chromium	ND	0.45									
Cobalt	ND	0.45									
Copper	ND	1.1									
Iron	6.315	14									J
Lead	ND	0.23									
Magnesium	ND	14									
Manganese	ND	0.45									
Nickel	0.2412	0.45									J
Potassium	ND	14									
Selenium	ND	0.45									
Silver	ND	0.45									
Sodium	ND	27									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**

**Metals**

**BatchID: 154132**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS2 11/1/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978451			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Thallium	0.09814	0.45									J
Vanadium	ND	0.45									
Zinc	ND	2.3									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS2 11/1/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978452			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	23.84	9.8	24.44	0	97.6	80	120	0	0		
Antimony	12.35	0.98	12.22	0	101	80	120	0	0		
Arsenic	23.62	0.49	24.44	0	96.7	80	120	0	0		
Barium	25.37	0.49	24.44	0	104	80	120	0	0		
Beryllium	23.98	0.24	24.44	0	98.1	80	120	0	0		
Cadmium	24.09	0.24	24.44	0	98.6	80	120	0	0		
Calcium	302.6	29	293.3	0	103	80	120	0	0		
Chromium	24.83	0.49	24.44	0	102	80	120	0	0		
Cobalt	24.98	0.49	24.44	0	102	80	120	0	0		
Copper	24.65	1.2	24.44	0	101	80	120	0	0		
Iron	312.7	15	293.3	6.315	104	80	120	0	0		
Lead	25.98	0.24	24.44	0	106	80	120	0	0		
Magnesium	303.8	15	293.3	0	104	80	120	0	0		
Manganese	24.4	0.49	24.44	0	99.8	80	120	0	0		
Nickel	25.16	0.49	24.44	0.2412	102	80	120	0	0		
Potassium	304.5	15	293.3	0	104	80	120	0	0		
Selenium	21.78	0.49	24.44	0	89.1	80	120	0	0		
Silver	10.47	0.49	9.775	0	107	80	120	0	0		
Sodium	303.9	29	293.3	0	104	80	120	0	0		
Thallium	25.24	0.49	24.44	0.09814	103	80	120	0	0		
Vanadium	24.4	0.49	24.44	0	99.8	80	120	0	0		
Zinc	23.02	2.4	24.44	0	94.2	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100860-004BMS	ZZZZZ	MS	mg/Kg-dry	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978538			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	141.2	1.0	26.07	111.5	114	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100860-004BMS	ZZZZZ	MS	mg/Kg-dry	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979235			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	18130	21	26.07	15020	11900	75	125	0	0		S
Antimony	1.91	2.1	13.03	0	14.6	75	125	0	0		JS
Arsenic	32.5	1.0	26.07	8.275	92.9	75	125	0	0		
Beryllium	24.5	0.52	26.07	0.7702	91	75	125	0	0		
Cadmium	24.97	0.52	26.07	0.1277	95.3	75	125	0	0		
Calcium	18060	63	312.8	7741	3300	75	125	0	0		S
Chromium	50.51	1.0	26.07	21.88	110	75	125	0	0		
Cobalt	42.32	1.0	26.07	13.54	110	75	125	0	0		
Copper	48.41	2.6	26.07	21.68	103	75	125	0	0		
Iron	30600	31	312.8	26940	1170	75	125	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154132**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100860-004BMS	ZZZZZ	MS	mg/Kg-dry	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979235			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	49.69	0.52	26.07	17.98	122	75	125	0	0		
Magnesium	9247	31	312.8	4858	1400	75	125	0	0		S
Manganese	703.4	1.0	26.07	1420	-2750	75	125	0	0		S
Nickel	53.33	1.0	26.07	25.71	106	75	125	0	0		
Potassium	2672	31	312.8	2047	200	75	125	0	0		S
Selenium	21.69	1.0	26.07	1.199	78.6	75	125	0	0		
Silver	10.94	1.0	10.43	0.03808	105	75	125	0	0		
Sodium	455.8	63	312.8	104.6	112	75	125	0	0		
Thallium	25.7	1.0	26.07	0.4278	96.9	75	125	0	0		
Vanadium	60.15	1.0	26.07	31.29	111	75	125	0	0		
Zinc	84.7	5.2	26.07	56.66	108	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100860-004BMSD	ZZZZZ	MSD	mg/Kg-dry	SW6020A	11/1/2023	11/1/2023	ICPMS-3_231101B	5978539			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	135.1	1.0	26.05	111.5	90.3	75	125	141.2	4.46	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23100860-004BMSD	ZZZZZ	MSD	mg/Kg-dry	SW6020A	11/1/2023	11/2/2023	ICPMS-3_231102A	5979236			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	16620	21	26.05	15020	6130	75	125	18130	8.68	20	S
Antimony	1.38	2.1	13.02	0	10.6	75	125	1.91	0	20	JS
Arsenic	30.63	1.0	26.05	8.275	85.8	75	125	32.5	5.91	20	
Beryllium	23	0.52	26.05	0.7702	85.3	75	125	24.5	6.33	20	
Cadmium	23.79	0.52	26.05	0.1277	90.8	75	125	24.97	4.85	20	
Calcium	17890	63	312.6	7741	3250	75	125	18060	0.933	20	S
Chromium	47.49	1.0	26.05	21.88	98.3	75	125	50.51	6.16	20	
Cobalt	38.82	1.0	26.05	13.54	97.1	75	125	42.32	8.65	20	
Copper	45.48	2.6	26.05	21.68	91.4	75	125	48.41	6.25	20	
Iron	27590	31	312.6	26940	207	75	125	30600	10.4	20	S
Lead	44.57	0.52	26.05	17.98	102	75	125	49.69	10.9	20	
Magnesium	8788	31	312.6	4858	1260	75	125	9247	5.08	20	S
Manganese	615.2	1.0	26.05	1420	-3090	75	125	703.4	13.4	20	S
Nickel	49.77	1.0	26.05	25.71	92.4	75	125	53.33	6.90	20	
Potassium	2521	31	312.6	2047	152	75	125	2672	5.84	20	S
Selenium	20.8	1.0	26.05	1.199	75.3	75	125	21.69	4.16	20	
Silver	10.59	1.0	10.42	0.03808	101	75	125	10.94	3.29	20	
Sodium	434.4	63	312.6	104.6	106	75	125	455.8	4.80	20	
Thallium	24.67	1.0	26.05	0.4278	93.1	75	125	25.7	4.09	20	
Vanadium	56.24	1.0	26.05	31.29	95.8	75	125	60.15	6.71	20	
Zinc	78.38	5.2	26.05	56.66	83.4	75	125	84.7	7.75	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154114**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 11/1/23			0.35	0	0	30	85.714	11/1/2023	11/1/2023
HGLCSS1 11/1/23			0.353	0	0	30	84.986	11/1/2023	11/1/2023
23101003-001B	Soil		0.34	0	0	30	88.235	11/1/2023	11/1/2023
23101003-002B	Soil		0.352	0	0	30	85.227	11/1/2023	11/1/2023
23101003-003B	Soil		0.348	0	0	30	86.207	11/1/2023	11/1/2023
23101003-004B	Soil		0.348	0	0	30	86.207	11/1/2023	11/1/2023
23101003-005B	Soil		0.352	0	0	30	85.227	11/1/2023	11/1/2023
23101003-006B	Soil		0.344	0	0	30	87.209	11/1/2023	11/1/2023
23101003-007B	Soil		0.367	0	0	30	81.744	11/1/2023	11/1/2023
23101003-008B	Soil		0.365	0	0	30	82.192	11/1/2023	11/1/2023
23101003-009B	Soil		0.351	0	0	30	85.470	11/1/2023	11/1/2023
23101003-010B	Soil		0.353	0	0	30	84.986	11/1/2023	11/1/2023
23101003-011B	Soil		0.357	0	0	30	84.034	11/1/2023	11/1/2023
23101003-012B	Soil		0.352	0	0	30	85.227	11/1/2023	11/1/2023
23101003-013B	Soil		0.355	0	0	30	84.507	11/1/2023	11/1/2023
23101003-014B	Soil		0.36	0	0	30	83.333	11/1/2023	11/1/2023
23101003-015B	Soil		0.343	0	0	30	87.464	11/1/2023	11/1/2023
23101003-016B	Soil		0.351	0	0	30	85.470	11/1/2023	11/1/2023
23101003-017B	Soil		0.359	0	0	30	83.565	11/1/2023	11/1/2023
23101003-018B	Soil		0.344	0	0	30	87.209	11/1/2023	11/1/2023
23101003-019B	Soil		0.354	0	0	30	84.746	11/1/2023	11/1/2023
23101003-020B	Soil		0.363	0	0	30	82.645	11/1/2023	11/1/2023
23101003-013BMS	Soil		0.354	0	0	30	84.746	11/1/2023	11/1/2023
23101003-013BMSD	Soil		0.357	0	0	30	84.034	11/1/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBS1 11/1/23	ZZZZZ	MBLK	mg/Kg	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979301				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.017									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSS1 11/1/23	ZZZZZ	LCS	mg/Kg	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979302				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.1997	0.017	0.2125	0	94	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-013BMS	SB-04 (1-3) / 1031	MS	mg/Kg-dry	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979348				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2481	0.021	0.2629	0.02359	85.4	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-013BMSD	SB-04 (1-3) / 1031	MSD	mg/Kg-dry	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979349				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.244	0.021	0.2607	0.02359	84.5	75	125	0.2481	1.69	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154115**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 11/1/23			0.35	0	0	30	85.714	11/1/2023	11/1/2023
HGLCSS2 11/1/23			0.354	0	0	30	84.746	11/1/2023	11/1/2023
23101003-021B	Soil		0.343	0	0	30	87.464	11/1/2023	11/1/2023
23101003-022B	Soil		0.351	0	0	30	85.470	11/1/2023	11/1/2023
23101003-023B	Soil		0.343	0	0	30	87.464	11/1/2023	11/1/2023
23101003-024B	Soil		0.332	0	0	30	90.361	11/1/2023	11/1/2023
23101003-025B	Soil		0.356	0	0	30	84.270	11/1/2023	11/1/2023
23101003-026B	Soil		0.344	0	0	30	87.209	11/1/2023	11/1/2023
23101003-022BMS	Soil		0.35	0	0	30	85.714	11/1/2023	11/1/2023
23101003-022BMSD	Soil		0.353	0	0	30	84.986	11/1/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBS2 11/1/23	ZZZZZ	MBLK	mg/Kg	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979352				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.017									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSS2 11/1/23	ZZZZZ	LCS	mg/Kg	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979353				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.189	0.017	0.2119	0	89.2	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-022BMS	SB-07 (1-3) / 1031	MS	mg/Kg-dry	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979360				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2599	0.021	0.262	0.1108	56.9	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-022BMSD	SB-07 (1-3) / 1031	MSD	mg/Kg-dry	SW7471B	11/1/2023	11/2/2023	CETAC 2_231102A	5979361				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.268	0.021	0.2597	0.1108	60.6	75	125	0.2599	3.10	20	S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: 154129**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 110123			1	0	0	50	50.000	11/1/2023	11/1/2023
TCNLCSS1 110123			1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-005B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-005BMS	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-005BMSD	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23100995-001B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-001B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-008B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-011B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-014B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-017B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-018B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-021B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-018BMS	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23101003-018BMSD	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-001B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-004B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-007B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-011B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-014B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-017B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-020B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-021B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-024B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-024BMS	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-024BMSD	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>TCNMBS1 110123</b>	<b>ZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW9012A</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>LACHAT-2_231101B</b>	<b>5978470</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		ND	0.50									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>TCNLCSS1 110123</b>	<b>ZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW9012A</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>LACHAT-2_231101B</b>	<b>5978471</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.19	0.50	10	0	102	90	110	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>23101003-005BMS</b>	<b>SB-02 (0.5) / 1031</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW9012A</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>LACHAT-2_231101B</b>	<b>5978473</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		11.11	0.54	10.9	0.4162	98.1	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>23101003-018BMS</b>	<b>SB-06 (0.5) / 1031</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW9012A</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>LACHAT-2_231102A</b>	<b>5979696</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.56	0.53	10.57	0	99.9	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: 154129**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-005BMSD	SB-02 (0.5) / 1031	MSD	mg/Kg-dry	SW9012A	11/1/2023	11/1/2023	LACHAT-2_231101B	5978474				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.52	0.54	10.9	0.4162	92.7	75	125	11.11	5.43	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-018BMSD	SB-06 (0.5) / 1031	MSD	mg/Kg-dry	SW9012A	11/2/2023	11/2/2023	LACHAT-2_231102A	5979697				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.65	0.53	10.57	0	101	75	125	10.56	0.854	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203165**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5977806	23100961-001ADUP	DUP	PH_S	R203165	1	11/01/2023
5977807	23100961-001A	SAMP	PH_S	R203165	1	11/01/2023
5977808	23100975-001A	SAMP	PH_S	R203165	1	11/01/2023
5977809	23100978-001A	SAMP	PH_S	R203165	1	11/01/2023
5977810	23100980-001A	SAMP	PH_S	R203165	1	11/01/2023
5977811	23100981-001A	SAMP	PH_S	R203165	1	11/01/2023
5977812	23100985-001A	SAMP	PH_S	R203165	1	11/01/2023
5977813	23101003-001B	SAMP	PH_S	R203165	1	11/01/2023
5977814	23101003-002B	SAMP	PH_S	R203165	1	11/01/2023
5977815	23101003-003B	SAMP	PH_S	R203165	1	11/01/2023
5977816	23101003-004B	SAMP	PH_S	R203165	1	11/01/2023
5977817	23101003-005B	SAMP	PH_S	R203165	1	11/01/2023
5977818	23101003-006B	SAMP	PH_S	R203165	1	11/01/2023
5977819	23101003-007B	SAMP	PH_S	R203165	1	11/01/2023
5977820	23101003-008B	SAMP	PH_S	R203165	1	11/01/2023
5977821	23101003-009B	SAMP	PH_S	R203165	1	11/01/2023
5977822	23101003-010B	SAMP	PH_S	R203165	1	11/01/2023
5977823	23101003-011B	SAMP	PH_S	R203165	1	11/01/2023
5977824	23101003-012B	SAMP	PH_S	R203165	1	11/01/2023
5977825	23101003-013B	SAMP	PH_S	R203165	1	11/01/2023
5977826	23101003-014B	SAMP	PH_S	R203165	1	11/01/2023

**QC Summary**

Sample ID: <b>23100961-001ADUP</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>DUP</b>	Units: <b>pH Units</b>	TestNo: <b>SW9045C</b>	Prep Date: <b>11/1/2023</b>	Analysis Date: <b>11/1/2023</b>	Run ID: <b>PH-4_231101A</b>	SeqNo: <b>5977806</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	6.78	0	0	0	0	0	0	6.65	1.94	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203172**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5978089	23101003-015BDUP	DUP	PH_S	R203172	1	11/01/2023
5978090	23100964-001B	SAMP	PH_S	R203172	1	11/01/2023
5978091	23100965-001B	SAMP	PH_S	R203172	1	11/01/2023
5978092	23100965-002B	SAMP	PH_S	R203172	1	11/01/2023
5978093	23100965-003B	SAMP	PH_S	R203172	1	11/01/2023
5978094	23100965-004B	SAMP	PH_S	R203172	1	11/01/2023
5978095	23100965-005B	SAMP	PH_S	R203172	1	11/01/2023
5978096	23100965-006B	SAMP	PH_S	R203172	1	11/01/2023
5978097	23100965-007B	SAMP	PH_S	R203172	1	11/01/2023
5978098	23101003-015B	SAMP	PH_S	R203172	1	11/01/2023
5978099	23101003-016B	SAMP	PH_S	R203172	1	11/01/2023
5978100	23101003-017B	SAMP	PH_S	R203172	1	11/01/2023
5978101	23101003-018B	SAMP	PH_S	R203172	1	11/01/2023
5978102	23101003-019B	SAMP	PH_S	R203172	1	11/01/2023
5978103	23101003-020B	SAMP	PH_S	R203172	1	11/01/2023
5978104	23101003-021B	SAMP	PH_S	R203172	1	11/01/2023
5978105	23101003-022B	SAMP	PH_S	R203172	1	11/01/2023
5978106	23101003-023B	SAMP	PH_S	R203172	1	11/01/2023
5978107	23101003-024B	SAMP	PH_S	R203172	1	11/01/2023
5978108	23101003-025B	SAMP	PH_S	R203172	1	11/01/2023
5978109	23101003-026B	SAMP	PH_S	R203172	1	11/01/2023

**QC Summary**

Sample ID: <b>23101003-015BDUP</b>	Customer ID: <b>SB-05 (1-3) / 1031</b>	SampType: <b>DUP</b>	Units: <b>pH Units</b>	TestNo: <b>SW9045C</b>	Prep Date: <b>11/1/2023</b>	Analysis Date: <b>11/1/2023</b>	Run ID: <b>PH-4_231101B</b>	SeqNo: <b>5978089</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	8.34	0	0	0	0	0	0	8.01	4.04	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203204**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5978974	PMMLBK1 11/1/23	MBLK	PMOIST	R203204	1	11/02/2023
5978975	PMMLCSS1 11/1/23	LCS	PMOIST	R203204	1	11/02/2023
5978976	PMMLCSW1 11/1/23	LCS	PMOIST	R203204	1	11/02/2023
5978977	23110001-001A	SAMP	PMOIST	R203204	1	11/02/2023
5978978	23110001-003A	SAMP	PMOIST	R203204	1	11/02/2023
5978979	23110001-005A	SAMP	PMOIST	R203204	1	11/02/2023
5978980	23110001-005ADUP	DUP	PMOIST	R203204	1	11/02/2023
5978981	23101003-001B	SAMP	PMOIST	R203204	1	11/02/2023
5978982	23101003-002B	SAMP	PMOIST	R203204	1	11/02/2023
5978983	23101003-003B	SAMP	PMOIST	R203204	1	11/02/2023
5978984	23101003-004B	SAMP	PMOIST	R203204	1	11/02/2023
5978985	23101003-005B	SAMP	PMOIST	R203204	1	11/02/2023
5978986	23101003-006B	SAMP	PMOIST	R203204	1	11/02/2023
5978987	23101003-007B	SAMP	PMOIST	R203204	1	11/02/2023
5978988	23101003-008B	SAMP	PMOIST	R203204	1	11/02/2023
5978989	23101003-009B	SAMP	PMOIST	R203204	1	11/02/2023
5978990	23101003-010B	SAMP	PMOIST	R203204	1	11/02/2023
5978991	23101003-011B	SAMP	PMOIST	R203204	1	11/02/2023
5978992	23101003-012B	SAMP	PMOIST	R203204	1	11/02/2023
5978993	23101003-014B	SAMP	PMOIST	R203204	1	11/02/2023
5978994	23101003-015B	SAMP	PMOIST	R203204	1	11/02/2023
5978995	23101003-016B	SAMP	PMOIST	R203204	1	11/02/2023
5978996	23101003-017B	SAMP	PMOIST	R203204	1	11/02/2023
5978997	23101003-018B	SAMP	PMOIST	R203204	1	11/02/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>PMMLBK1 11/1/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>wt%</b>	<b>D2974</b>	<b>11/1/2023</b>	<b>11/2/2023</b>	<b>BALANCE_231102A</b>	<b>5978974</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*
<b>PMMLCSS1 11/1/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>wt%</b>	<b>D2974</b>	<b>11/1/2023</b>	<b>11/2/2023</b>	<b>BALANCE_231102A</b>	<b>5978975</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.69	0.200	5	0	93.8	80	120	0	0		*
<b>PMMLCSW1 11/1/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>wt%</b>	<b>D2974</b>	<b>11/1/2023</b>	<b>11/2/2023</b>	<b>BALANCE_231102A</b>	<b>5978976</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.8	0.200	99.8	0	100	80	120	0	0		*
<b>23110001-005ADUP</b>	<b>ZZZZZ</b>	<b>DUP</b>	<b>wt%</b>	<b>D2974</b>	<b>11/1/2023</b>	<b>11/2/2023</b>	<b>BALANCE_231102A</b>	<b>5978980</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		17.21	0.200	0	0	0	0	0	17.19	0.116	20	*

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23101003  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203205**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5979009	PMMBLK2 11/1/23	MBLK	PMOIST	R203205	1	11/02/2023
5979010	PMMLCSS2 11/1/23	LCS	PMOIST	R203205	1	11/02/2023
5979011	PMMLCSW2 11/1/23	LCS	PMOIST	R203205	1	11/02/2023
5979012	23101003-013B	SAMP	PMOIST	R203205	1	11/02/2023
5979013	23101003-013BDUP	DUP	PMOIST	R203205	1	11/02/2023
5979014	23101003-019B	SAMP	PMOIST	R203205	1	11/02/2023
5979015	23101003-020B	SAMP	PMOIST	R203205	1	11/02/2023
5979016	23101003-021B	SAMP	PMOIST	R203205	1	11/02/2023
5979017	23101003-022B	SAMP	PMOIST	R203205	1	11/02/2023
5979018	23101003-023B	SAMP	PMOIST	R203205	1	11/02/2023
5979019	23101003-024B	SAMP	PMOIST	R203205	1	11/02/2023
5979020	23101003-025B	SAMP	PMOIST	R203205	1	11/02/2023
5979021	23101003-026B	SAMP	PMOIST	R203205	1	11/02/2023
5979022	23101006-002A	SAMP	PMOIST	R203205	1	11/02/2023
5979023	23101007-001A	SAMP	PMOIST	R203205	1	11/02/2023
5979024	23101008-001A	SAMP	PMOIST	R203205	1	11/02/2023
5979025	23100861-001B	SAMP	PMOIST	R203205	1	11/02/2023
5979026	23100881-001B	SAMP	PMOIST	R203205	1	11/02/2023
5979027	23100881-002B	SAMP	PMOIST	R203205	1	11/02/2023
5979028	23100882-001B	SAMP	PMOIST	R203205	1	11/02/2023
5979029	23100883-001B	SAMP	PMOIST	R203205	1	11/02/2023
5979030	23100883-004B	SAMP	PMOIST	R203205	1	11/02/2023
5979031	23100991-002A	SAMP	PMOIST	R203205	1	11/02/2023
5979032	23100993-001B	SAMP	PMOIST	R203205	1	11/02/2023

**QC Summary**

Sample ID: <b>PMMBLK2 11/1/23</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>MBLK</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/1/2023</b>	Analysis Date: <b>11/2/2023</b>	Run ID: <b>BALANCE_231102B</b>	SeqNo: <b>5979009</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture ND 0.200 \*

Sample ID: <b>PMMLCSS2 11/1/23</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>LCS</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/1/2023</b>	Analysis Date: <b>11/2/2023</b>	Run ID: <b>BALANCE_231102B</b>	SeqNo: <b>5979010</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 4.55 0.200 5 0 91 80 120 0 0 \*

Sample ID: <b>PMMLCSW2 11/1/23</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>LCS</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/1/2023</b>	Analysis Date: <b>11/2/2023</b>	Run ID: <b>BALANCE_231102B</b>	SeqNo: <b>5979011</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 99.83 0.200 99.8 0 100 80 120 0 0 \*

Sample ID: <b>23101003-013BDUP</b>	Customer ID: <b>SB-04 (1-3) / 1031</b>	SampType: <b>DUP</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/1/2023</b>	Analysis Date: <b>11/2/2023</b>	Run ID: <b>BALANCE_231102B</b>	SeqNo: <b>5979013</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 20.19 0.200 0 0 0 0 0 19.43 3.84 20 \*

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 22, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23110028 Revision 1

RE: A2237020, AIS Chicago, 3710 S. California

Dear Terracon Consultants, Inc.:

Sterling Labs received 26 samples for the referenced project on 11/1/2023 4:35:00 PM. The analytical results are presented in the following report.

This report is revised to reflect additional analysis requested after the last report revision.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / TNI standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "Justice Kwateng".

Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*



**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Work Order:** 23110028 Revision 1

### Work Order Sample Summary

Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23110028-001A	SB-9 (0.5) / 110123		11/1/2023 8:50:00 AM	11/1/2023
23110028-001B	SB-9 (0.5) / 110123		11/1/2023 8:50:00 AM	11/1/2023
23110028-002A	SB-9 (1-3) / 110123		11/1/2023 8:50:00 AM	11/1/2023
23110028-002B	SB-9 (1-3) / 110123		11/1/2023 8:50:00 AM	11/1/2023
23110028-003A	SB-9 (5-7) / 110123		11/1/2023 8:50:00 AM	11/1/2023
23110028-003B	SB-9 (5-7) / 110123		11/1/2023 8:50:00 AM	11/1/2023
23110028-004A	SB-11 (0.5) / 110123		11/1/2023 9:30:00 AM	11/1/2023
23110028-004B	SB-11 (0.5) / 110123		11/1/2023 9:30:00 AM	11/1/2023
23110028-005A	SB-11 (1-3) / 110123		11/1/2023 9:30:00 AM	11/1/2023
23110028-005B	SB-11 (1-3) / 110123		11/1/2023 9:30:00 AM	11/1/2023
23110028-006A	SB-11 (8-10) / 110123		11/1/2023 9:30:00 AM	11/1/2023
23110028-006B	SB-11 (8-10) / 110123		11/1/2023 9:30:00 AM	11/1/2023
23110028-007A	SB-15 (0.5) / 110123		11/1/2023 10:10:00 AM	11/1/2023
23110028-007B	SB-15 (0.5) / 110123		11/1/2023 10:10:00 AM	11/1/2023
23110028-008A	SB-15 (1-3) / 110123		11/1/2023 10:10:00 AM	11/1/2023
23110028-008B	SB-15 (1-3) / 110123		11/1/2023 10:10:00 AM	11/1/2023
23110028-009A	SB-15 (3-5) / 110123		11/1/2023 10:10:00 AM	11/1/2023
23110028-009B	SB-15 (3-5) / 110123		11/1/2023 10:10:00 AM	11/1/2023
23110028-010A	DUP-001 / 110123		11/1/2023	11/1/2023
23110028-010B	DUP-001 / 110123		11/1/2023	11/1/2023
23110028-011A	SB-16 (0.5) / 110123		11/1/2023 11:00:00 AM	11/1/2023
23110028-011B	SB-16 (0.5) / 110123		11/1/2023 11:00:00 AM	11/1/2023
23110028-012A	SB-16 (1-3) / 110123		11/1/2023 11:00:00 AM	11/1/2023
23110028-012B	SB-16 (1-3) / 110123		11/1/2023 11:00:00 AM	11/1/2023
23110028-013A	SB-16 (4-6) / 110123		11/1/2023 11:00:00 AM	11/1/2023
23110028-013B	SB-16 (4-6) / 110123		11/1/2023 11:00:00 AM	11/1/2023
23110028-014A	SB-10 (0.5) / 110123		11/1/2023 11:40:00 AM	11/1/2023
23110028-014B	SB-10 (0.5) / 110123		11/1/2023 11:40:00 AM	11/1/2023
23110028-015A	SB-10 (1-3) / 110123		11/1/2023 11:40:00 AM	11/1/2023
23110028-015B	SB-10 (1-3) / 110123		11/1/2023 11:40:00 AM	11/1/2023
23110028-016A	SB-10 (7-9) / 110123		11/1/2023 11:40:00 AM	11/1/2023
23110028-016B	SB-10 (7-9) / 110123		11/1/2023 11:40:00 AM	11/1/2023
23110028-017A	SB-12 (0.5) / 110123		11/1/2023 12:40:00 PM	11/1/2023
23110028-017B	SB-12 (0.5) / 110123		11/1/2023 12:40:00 PM	11/1/2023
23110028-018A	SB-12 (1-3) / 110123		11/1/2023 12:40:00 PM	11/1/2023
23110028-018B	SB-12 (1-3) / 110123		11/1/2023 12:40:00 PM	11/1/2023
23110028-019A	SB-12 (5-7) / 110123		11/1/2023 12:10:00 PM	11/1/2023
23110028-019B	SB-12 (5-7) / 110123		11/1/2023 12:10:00 PM	11/1/2023
23110028-020A	DUP-005 / 110123		11/1/2023	11/1/2023
23110028-020B	DUP-005 / 110123		11/1/2023	11/1/2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Work Order:** 23110028 Revision 1

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## Work Order Sample Summary

Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23110028-021A	SB-13 (0.5) / 110123		11/1/2023 1:20:00 PM	11/1/2023
23110028-021B	SB-13 (0.5) / 110123		11/1/2023 1:20:00 PM	11/1/2023
23110028-022A	SB-13 (1-3) / 110123		11/1/2023 1:20:00 PM	11/1/2023
23110028-022B	SB-13 (1-3) / 110123		11/1/2023 1:20:00 PM	11/1/2023
23110028-023A	SB-13 (4-6) / 110123		11/1/2023 1:20:00 PM	11/1/2023
23110028-023B	SB-13 (4-6) / 110123		11/1/2023 1:20:00 PM	11/1/2023
23110028-024A	SB-14 (0.5) / 110123		11/1/2023 2:00:00 PM	11/1/2023
23110028-024B	SB-14 (0.5) / 110123		11/1/2023 2:00:00 PM	11/1/2023
23110028-025A	SB-14 (1-3) / 110123		11/1/2023 2:00:00 PM	11/1/2023
23110028-025B	SB-14 (1-3) / 110123		11/1/2023 2:00:00 PM	11/1/2023
23110028-026A	SB-14 (7-9) / 110123		11/1/2023 2:00:00 PM	11/1/2023
23110028-026B	SB-14 (7-9) / 110123		11/1/2023 2:00:00 PM	11/1/2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Work Order:** 23110028 Revision 1

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## Case Narrative

The reported value for Semi-Mobile Mercury Fraction (Method SW-846 3200) includes elemental mercury, mercury amalgams, certain inorganic mercury complexes and the minor portion of any mercurous chloride present in the non-extractable fraction.

Due to sample matrix, the SVOC extracts for the following samples were concentrated to a final volume of 10mL, resulting in a 10 fold increase in reporting limits:

SB-9 (0.5) / 110123 (23110028-001)  
SB-9 (1-3) / 110123 (23110028-002)  
SB-11 (0.5) / 110123 (23110028-004)  
SB-11 (1-3) / 110123 (23110028-005)  
SB-15 (0.5) / 110123 (23110028-007)  
SB-15 (1-3) / 110123 (23110028-008)  
DUP-001 / 110123 (23110028-010)  
SB-16 (0.5) / 110123 (23110028-011)  
SB-16 (1-3) / 110123 (23110028-012)  
SB-10 (0.5) / 110123 (23110028-014)  
SB-12 (0.5) / 110123 (23110028-017)  
DUP-005 / 110123 (23110028-020)  
SB-13 (0.5) / 110123 (23110028-021)  
SB-13 (1-3) / 110123 (23110028-022)  
SB-13 (4-6) / 110123 (23110028-023)  
SB-14 (0.5) / 110123 (23110028-024)

Please refer to Analytical QC Summary Report for QC outliers.

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QC - Quality Control  
MB - Method Blank  
LCS(D) - Lab Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
RPD - Relative Percent Difference

VOC - Volatile Organic Compound  
SVOC - Semi-Volatile Organic Compound  
PNA/PAH - Polynuclear Aromatic Hydrocarbon  
PCB - Polychlorinated Biphenyls



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.075		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.075		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.051		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.5		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.45	0.35		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.77	0.35		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.7		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.35	0.35		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.36	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.35		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.38	0.35		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.5		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.35		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.0		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.084		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Pesticides	SW8081B (SW3550B)		Prep Date: 11/2/2023		Analyst: GVC	
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/2/2023

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 11/2/2023		Analyst: MDS	
<i>IEPA ELAP 100445</i>						
Aluminum	1200	20		mg/Kg-dry	10	11/3/2023
Antimony	ND	2.0		mg/Kg-dry	10	11/2/2023
Arsenic	1.2	0.99		mg/Kg-dry	10	11/3/2023
Barium	14	0.99		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.50		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.50		mg/Kg-dry	10	11/3/2023
Calcium	200000	59		mg/Kg-dry	10	11/3/2023
Chromium	14	0.99		mg/Kg-dry	10	11/3/2023
Cobalt	1.4	0.99		mg/Kg-dry	10	11/3/2023
Copper	5.9	2.5		mg/Kg-dry	10	11/3/2023
Iron	6000	59		mg/Kg-dry	10	11/3/2023
Lead	12	0.50		mg/Kg-dry	10	11/3/2023
Magnesium	110000	30		mg/Kg-dry	10	11/3/2023
Manganese	400	0.99		mg/Kg-dry	10	11/3/2023
Nickel	5.2	4.0		mg/Kg-dry	10	11/3/2023
Potassium	440	30		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-9 (0.5) / 110123

Work Order: 23110028 Revision 1

Collection Date: 11/1/2023 8:50:00 AM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23110028-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
<i>IEPA ELAP 100445</i>						
Selenium	ND	0.99		mg/Kg-dry	10	11/3/2023
Silver	ND	0.99		mg/Kg-dry	10	11/3/2023
Sodium	260	59		mg/Kg-dry	10	11/3/2023
Thallium	ND	0.99		mg/Kg-dry	10	11/3/2023
Vanadium	19	0.99		mg/Kg-dry	10	11/3/2023
Zinc	23	5.0		mg/Kg-dry	10	11/3/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
<i>IEPA ELAP 100445</i>						
Mercury	ND	0.018		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.53		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
<i>IEPA ELAP 100445</i>						
pH	8.61			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	5.6	0.2	*	wt%	1	11/3/2023

**Qualifiers:**  
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 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
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Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS	SW8260B	Prep Date: 11/2/2023	Analyst: ERP
<i>IEPA ELAP 100445</i>			
Acetone	ND	0.078	mg/Kg-dry 1 11/2/2023
Benzene	ND	0.0052	mg/Kg-dry 1 11/2/2023
Bromodichloromethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
Bromoform	ND	0.0052	mg/Kg-dry 1 11/2/2023
Bromomethane	ND	0.010	mg/Kg-dry 1 11/2/2023
2-Butanone	ND	0.078	mg/Kg-dry 1 11/2/2023
Carbon disulfide	ND	0.052	mg/Kg-dry 1 11/2/2023
Carbon tetrachloride	ND	0.0052	mg/Kg-dry 1 11/2/2023
Chlorobenzene	ND	0.0052	mg/Kg-dry 1 11/2/2023
Chloroethane	ND	0.010	mg/Kg-dry 1 11/2/2023
Chloroform	ND	0.0052	mg/Kg-dry 1 11/2/2023
Chloromethane	ND	0.010	mg/Kg-dry 1 11/2/2023
Dibromochloromethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,1-Dichloroethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,2-Dichloroethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,1-Dichloroethene	ND	0.0052	mg/Kg-dry 1 11/2/2023
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg-dry 1 11/2/2023
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,2-Dichloropropane	ND	0.0052	mg/Kg-dry 1 11/2/2023
cis-1,3-Dichloropropene	ND	0.0021	mg/Kg-dry 1 11/2/2023
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg-dry 1 11/2/2023
Ethylbenzene	ND	0.0052	mg/Kg-dry 1 11/2/2023
2-Hexanone	ND	0.021	mg/Kg-dry 1 11/2/2023
4-Methyl-2-pentanone	ND	0.021	mg/Kg-dry 1 11/2/2023
Methylene chloride	ND	0.010	mg/Kg-dry 1 11/2/2023
Methyl tert-butyl ether	ND	0.0052	mg/Kg-dry 1 11/2/2023
Styrene	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
Tetrachloroethene	ND	0.0052	mg/Kg-dry 1 11/2/2023
Toluene	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,1,1-Trichloroethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
1,1,2-Trichloroethane	ND	0.0052	mg/Kg-dry 1 11/2/2023
Trichloroethene	ND	0.0052	mg/Kg-dry 1 11/2/2023
Vinyl chloride	ND	0.0052	mg/Kg-dry 1 11/2/2023
Xylenes, Total	ND	0.015	mg/Kg-dry 1 11/2/2023

Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 11/2/2023	Analyst: TEM
<i>IEPA ELAP 100445</i>			
Acenaphthene	ND	0.36	mg/Kg-dry 1 11/3/2023
Acenaphthylene	ND	0.36	mg/Kg-dry 1 11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.6		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.64	0.36		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.89	0.36		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.89	0.36		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.95	0.36		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.91	0.36		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.94	0.36		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	1.3	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: TEM

IEPA ELAP 100445

Fluorene	ND	0.36		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.59	0.36		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.72		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.36		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	1.2	0.36		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.2		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MMR

IEPA ELAP 100445

Arsenic	2.2	0.92		mg/Kg-dry	10	11/2/2023
Barium	30	0.92		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.46		mg/Kg-dry	10	11/2/2023
Chromium	16	0.92		mg/Kg-dry	10	11/2/2023
Lead	31	0.46		mg/Kg-dry	10	11/2/2023
Selenium	ND	0.92		mg/Kg-dry	10	11/2/2023
Silver	ND	0.92		mg/Kg-dry	10	11/2/2023
Zinc	56	4.6		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-9 (1-3) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 8:50:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-002	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> <i>IEPA ELAP 100445</i>	<b>SW7471B</b>					Prep Date: 11/3/2023 Analyst: <b>JB2</b>
Mercury	ND	0.019		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> <i>IEPA ELAP 100445</i>	<b>SW9045C</b>					Prep Date: 11/2/2023 Analyst: <b>LJ1</b>
pH	7.88			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/2/2023 Analyst: <b>EPD</b>
	8.2	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (5-7) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.088		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0059		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0059		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.012		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.088		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.059		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0059		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0059		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.012		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0059		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.012		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0059		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0059		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.024		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0059		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0059		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0059		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0059		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0059		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter  
 RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded





Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (5-7) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.41		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.40		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.040		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-9 (5-7) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 8:50:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: TEM  
 IEPA ELAP 100445

Fluorene	ND	0.040		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.82		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MMR  
 IEPA ELAP 100445

Arsenic	7.1	1.1		mg/Kg-dry	10	11/2/2023
Barium	68	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.54		mg/Kg-dry	10	11/2/2023
Chromium	28	1.1		mg/Kg-dry	10	11/2/2023
Lead	20	0.54		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	63	5.4		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-9 (5-7) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 8:50:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-003	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.022		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.58			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	19.2	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.077		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.077		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.052		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.36		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.6		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.82	0.36		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.86	0.36		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.75	0.36		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.97	0.36		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.96	0.36		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.93	0.36		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	1.2	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Fluorene	ND	0.36		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.61	0.36		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.36		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.46	0.36		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	1.3	0.36		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.3		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.086		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Pesticides	SW8081B (SW3550B)		Prep Date: 11/2/2023		Analyst: GVC	
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.036		mg/Kg-dry	1	11/2/2023

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 11/2/2023		Analyst: MDS	
<i>IEPA ELAP 100445</i>						
Aluminum	2100	19		mg/Kg-dry	10	11/3/2023
Antimony	ND	1.9		mg/Kg-dry	10	11/2/2023
Arsenic	1.9	0.95		mg/Kg-dry	10	11/3/2023
Barium	33	0.95		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.48		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.48		mg/Kg-dry	10	11/3/2023
Calcium	180000	57		mg/Kg-dry	10	11/3/2023
Chromium	30	0.95		mg/Kg-dry	10	11/3/2023
Cobalt	1.8	0.95		mg/Kg-dry	10	11/3/2023
Copper	120	2.4		mg/Kg-dry	10	11/3/2023
Iron	8600	57		mg/Kg-dry	10	11/3/2023
Lead	39	0.48		mg/Kg-dry	10	11/3/2023
Magnesium	100000	29		mg/Kg-dry	10	11/3/2023
Manganese	450	0.95		mg/Kg-dry	10	11/3/2023
Nickel	7.8	3.8		mg/Kg-dry	10	11/3/2023
Potassium	540	29		mg/Kg-dry	10	11/3/2023

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Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
Selenium	ND	0.95		mg/Kg-dry	10	11/3/2023
Silver	ND	0.95		mg/Kg-dry	10	11/3/2023
Sodium	230	57		mg/Kg-dry	10	11/3/2023
Thallium	ND	0.95		mg/Kg-dry	10	11/3/2023
Vanadium	32	0.95		mg/Kg-dry	10	11/3/2023
Zinc	68	4.8		mg/Kg-dry	10	11/3/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.047	0.019		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
Cyanide	ND	0.54		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	8.16			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	8.1	0.2	*	wt%	1	11/3/2023

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Date Reported: November 22, 2023  
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## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS		SW8260B	Prep Date: 11/2/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>					
Acetone	ND	0.078	mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0052	mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0052	mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010	mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.078	mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.052	mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0052	mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0052	mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010	mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0052	mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010	mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0052	mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0052	mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0021	mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0052	mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.021	mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.021	mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010	mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0052	mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0052	mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0052	mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0052	mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0052	mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.016	mg/Kg-dry	1	11/2/2023

Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>					
Acenaphthene	ND	0.36	mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.36	mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
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 S - Spike Recovery outside accepted recovery limits  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.7		mg/Kg-dry	1	11/3/2023
Anthracene	0.74	0.36		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	2.8	0.36		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	3.4	0.36		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	3.3	0.36		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	1.9	0.36		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	1.6	0.36		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.2		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.2		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.2		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.9		mg/Kg-dry	1	11/3/2023
Chrysene	3.0	0.36		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.9		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.2		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.2		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.2		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.2		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.2		mg/Kg-dry	1	11/3/2023
Fluoranthene	5.8	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.36		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.9		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	1.9	0.36		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.74		mg/Kg-dry	1	11/3/2023
Phenanthrene	2.5	0.36		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Pyrene	4.7	0.36		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.4		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	5.5	1.1		mg/Kg-dry	10	11/2/2023
Barium	85	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	1.3	0.54		mg/Kg-dry	10	11/2/2023
Chromium	20	1.1		mg/Kg-dry	10	11/2/2023
Lead	160	0.54		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	290	5.4		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/3/2023 Analyst: <b>JB2</b>
Mercury	0.16	0.019		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/2/2023 Analyst: <b>LJ1</b>
pH	7.90			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/2/2023 Analyst: <b>EPD</b>
	9.9	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (8-10) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.072		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0097		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.072		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.049		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0097		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0097		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.019		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0097		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.037		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.037		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-11 (8-10) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 9:30:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.38		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.037		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.052	0.037		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.37		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.062	0.037		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.050	0.037		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.037	0.037		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.048	0.037		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	0.94		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	11/3/2023
Chrysene	0.070	0.037		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.19		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.082	0.037		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-11 (8-10) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 9:30:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-006	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: TEM

IEPA ELAP 100445

Fluorene	ND	0.037		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.19		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.037		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.037		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.092	0.037		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Pyrene	0.094	0.037		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.76		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MMR

IEPA ELAP 100445

Arsenic	16	1.0		mg/Kg-dry	10	11/3/2023
Barium	120	2.0		mg/Kg-dry	20	11/3/2023
Cadmium	ND	0.51		mg/Kg-dry	10	11/3/2023
Chromium	18	1.0		mg/Kg-dry	10	11/3/2023
Lead	110	0.51		mg/Kg-dry	10	11/3/2023
Selenium	1.0	1.0		mg/Kg-dry	10	11/3/2023
Silver	ND	2.0		mg/Kg-dry	20	11/3/2023
Zinc	160	5.1		mg/Kg-dry	10	11/3/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-11 (8-10) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 9:30:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.12	0.020		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	6.94			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	11.5	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-15 (0.5) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 10:10:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-007

**Analyses Result RL Qualifier Units DF Date Analyzed**

**Volatile Organic Compounds by GC/MS SW8260B Prep Date: 11/2/2023 Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.074	mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0050	mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0050	mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0099	mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.074	mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.050	mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0050	mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0050	mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0099	mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0050	mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0099	mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0050	mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050	mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0050	mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020	mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020	mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0050	mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020	mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020	mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0099	mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050	mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0050	mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050	mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0050	mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0050	mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.014	mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.36	mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.36	mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.6		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.63	0.36		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.87	0.36		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	1.0	0.36		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.86	0.36		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.46	0.36		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.1		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.1		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.1		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.9		mg/Kg-dry	1	11/3/2023
Chrysene	1.0	0.36		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.9		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.1		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.1		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.1		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.1		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.1		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.96	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: **TEM**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.36		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.9		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.58	0.36		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.36		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.79	0.36		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Pyrene	1.1	0.36		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.3		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023

**PCBs**      **SW8082A (SW3550B)**      Prep Date: 11/2/2023      Analyst: **GVC**

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<i>IEPA ELAP 100445</i>						
Aroclor 1016	ND	0.088		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.088		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.088		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.088		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.088		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.088		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.088		mg/Kg-dry	1	11/2/2023

**Pesticides**      **SW8081B (SW3550B)**      Prep Date: 11/2/2023      Analyst: **GVC**

*IEPA ELAP 100445*

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.018		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0018		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0018		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0018		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.036		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: MDS</b>
<i>IEPA ELAP 100445</i>						
Aluminum	4200	21		mg/Kg-dry	10	11/3/2023
Antimony	ND	2.1		mg/Kg-dry	10	11/2/2023
Arsenic	2.8	1.1		mg/Kg-dry	10	11/3/2023
Barium	59	1.1		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.54		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.54		mg/Kg-dry	10	11/3/2023
Calcium	120000	64		mg/Kg-dry	10	11/3/2023
Chromium	78	1.1		mg/Kg-dry	10	11/3/2023
Cobalt	2.5	1.1		mg/Kg-dry	10	11/3/2023
Copper	20	2.7		mg/Kg-dry	10	11/3/2023
Iron	14000	64		mg/Kg-dry	10	11/3/2023
Lead	52	0.54		mg/Kg-dry	10	11/3/2023
Magnesium	57000	32		mg/Kg-dry	10	11/3/2023
Manganese	1700	1.1		mg/Kg-dry	10	11/3/2023
Nickel	9.6	4.3		mg/Kg-dry	10	11/3/2023
Potassium	460	32		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-15 (0.5) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 10:10:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
Selenium	ND	1.1		mg/Kg-dry	10	11/3/2023
Silver	ND	1.1		mg/Kg-dry	10	11/3/2023
Sodium	340	64		mg/Kg-dry	10	11/3/2023
Thallium	ND	1.1		mg/Kg-dry	10	11/3/2023
Vanadium	77	1.1		mg/Kg-dry	10	11/3/2023
Zinc	74	5.4		mg/Kg-dry	10	11/3/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.053	0.019		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
Cyanide	ND	0.55		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	9.70			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	9.1	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/2/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.076		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.076		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.051		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.37		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.37		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.7		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.37		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.74	0.37		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.7		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.63	0.37		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.62	0.37		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.62	0.37		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.44	0.37		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.3		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.7		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.9		mg/Kg-dry	1	11/3/2023
Chrysene	1.0	0.37		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.37		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.9		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.7		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.3		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.37		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.37		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
Fluoranthene	1.0	0.37		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: SB-15 (1-3) / 110123

Work Order: 23110028 Revision 1

Collection Date: 11/1/2023 10:10:00 AM

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23110028-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: TEM

IEPA ELAP 100445

Fluorene	ND	0.37		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.9		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.46	0.37		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.7		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.37		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.75		mg/Kg-dry	1	11/3/2023
Phenanthrene	1.3	0.37		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Pyrene	1.2	0.37		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.5		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**

**SW6020A (SW3050B)**

Prep Date: 11/2/2023

Analyst: MMR

IEPA ELAP 100445

Arsenic	4.4	0.98		mg/Kg-dry	10	11/2/2023
Barium	75	0.98		mg/Kg-dry	10	11/2/2023
Cadmium	0.55	0.49		mg/Kg-dry	10	11/2/2023
Chromium	13	0.98		mg/Kg-dry	10	11/2/2023
Lead	94	0.49		mg/Kg-dry	10	11/2/2023
Selenium	1.2	0.98		mg/Kg-dry	10	11/2/2023
Silver	ND	0.98		mg/Kg-dry	10	11/2/2023
Zinc	150	4.9		mg/Kg-dry	10	11/2/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded





**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury Species Fractionation</b> <i>IEPA ELAP 100445</i>	<b>SW7470A/7471B (SW3200) Prep Date: 11/10/2023 Analyst: MDS</b>					
Mercury, Extractable	32	6.9		mg/Kg-dry	1000	11/13/2023
<b>Mercury Species Fractionation</b> <i>IEPA ELAP 100445</i>	<b>SW7470A/7471B (SW3200) Prep Date: 11/10/2023 Analyst: MDS</b>					
Mercury, Semi-mobile	39	6.9		mg/Kg-dry	1000	11/13/2023
<b>Mercury Species Fractionation</b> <i>IEPA ELAP 100445</i>	<b>SW7470A/7471B Prep Date: 11/17/2023 Analyst: MDS</b>					
Mercury, Non-mobile	0.65	0.010		mg/Kg-dry	5	11/18/2023
<b>Mercury</b> <i>IEPA ELAP 100445</i>	<b>SW7471B Prep Date: 11/3/2023 Analyst: JB2</b>					
Mercury	170	20		mg/Kg-dry	1000	11/3/2023
<b>pH (25 °C)</b> <i>IEPA ELAP 100445</i>	<b>SW9045C Prep Date: 11/2/2023 Analyst: LJ1</b>					
pH	9.69			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974 Prep Date: 11/2/2023 Analyst: EPD</b>					
Percent Moisture	13.2	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (3-5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/2/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.076		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.076		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.051		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.041		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.041		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (3-5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>		<b>Prep Date: 11/2/2023</b>		<b>Analyst: TEM</b>	
<i>IEPA ELAP 100445</i>						
Aniline	ND	0.41		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.041		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.41		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.041		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.041		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-15 (3-5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 10:10:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.041		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.041		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.041		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.041		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.041		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.82		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	10	1.0		mg/Kg-dry	10	11/2/2023
Barium	59	1.0		mg/Kg-dry	10	11/2/2023
Cadmium	0.57	0.52		mg/Kg-dry	10	11/2/2023
Chromium	23	1.0		mg/Kg-dry	10	11/2/2023
Lead	72	0.52		mg/Kg-dry	10	11/2/2023
Selenium	1.3	1.0		mg/Kg-dry	10	11/2/2023
Silver	ND	1.0		mg/Kg-dry	10	11/2/2023
Zinc	81	5.2		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-15 (3-5) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 10:10:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-009	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.12	0.021		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.46			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	19.8	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.073		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.073		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.049		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.019		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0098		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.37		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.37		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter  
 RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 11/2/2023	Analyst: TEM
<i>IEPA ELAP 100445</i>			
Aniline	ND	3.7	mg/Kg-dry 1 11/3/2023
Anthracene	ND	0.37	mg/Kg-dry 1 11/3/2023
Benz(a)anthracene	0.47	0.37	mg/Kg-dry 1 11/3/2023
Benzidine	ND	3.7	mg/Kg-dry 1 11/3/2023
Benzo(a)pyrene	0.50	0.37	mg/Kg-dry 1 11/3/2023
Benzo(b)fluoranthene	0.50	0.37	mg/Kg-dry 1 11/3/2023
Benzo(g,h,i)perylene	ND	0.37	mg/Kg-dry 1 11/3/2023
Benzo(k)fluoranthene	ND	0.37	mg/Kg-dry 1 11/3/2023
Benzoic acid	ND	9.3	mg/Kg-dry 1 11/3/2023
Benzyl alcohol	ND	1.9	mg/Kg-dry 1 11/3/2023
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg-dry 1 11/3/2023
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg-dry 1 11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.3	mg/Kg-dry 1 11/3/2023
4-Bromophenyl phenyl ether	ND	1.9	mg/Kg-dry 1 11/3/2023
Butyl benzyl phthalate	ND	9.3	mg/Kg-dry 1 11/3/2023
Carbazole	ND	1.9	mg/Kg-dry 1 11/3/2023
4-Chloroaniline	ND	1.9	mg/Kg-dry 1 11/3/2023
4-Chloro-3-methylphenol	ND	3.7	mg/Kg-dry 1 11/3/2023
2-Chloronaphthalene	ND	1.9	mg/Kg-dry 1 11/3/2023
2-Chlorophenol	ND	1.9	mg/Kg-dry 1 11/3/2023
4-Chlorophenyl phenyl ether	ND	1.9	mg/Kg-dry 1 11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.9	mg/Kg-dry 1 11/3/2023
Chrysene	0.57	0.37	mg/Kg-dry 1 11/3/2023
Dibenz(a,h)anthracene	ND	0.37	mg/Kg-dry 1 11/3/2023
Dibenzofuran	ND	1.9	mg/Kg-dry 1 11/3/2023
1,2-Dichlorobenzene	ND	1.9	mg/Kg-dry 1 11/3/2023
1,3-Dichlorobenzene	ND	1.9	mg/Kg-dry 1 11/3/2023
1,4-Dichlorobenzene	ND	1.9	mg/Kg-dry 1 11/3/2023
3,3'-Dichlorobenzidine	ND	1.9	mg/Kg-dry 1 11/3/2023
2,4-Dichlorophenol	ND	1.9	mg/Kg-dry 1 11/3/2023
Diethyl phthalate	ND	9.3	mg/Kg-dry 1 11/3/2023
Dimethyl phthalate	ND	9.3	mg/Kg-dry 1 11/3/2023
2,4-Dimethylphenol	ND	1.9	mg/Kg-dry 1 11/3/2023
Di-n-butyl phthalate	ND	9.3	mg/Kg-dry 1 11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.7	mg/Kg-dry 1 11/3/2023
2,4-Dinitrophenol	ND	9.3	mg/Kg-dry 1 11/3/2023
2,4-Dinitrotoluene	ND	0.37	mg/Kg-dry 1 11/3/2023
2,6-Dinitrotoluene	ND	0.37	mg/Kg-dry 1 11/3/2023
Di-n-octyl phthalate	ND	9.3	mg/Kg-dry 1 11/3/2023
Fluoranthene	0.63	0.37	mg/Kg-dry 1 11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.37		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.9		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.37		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.7		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.37		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.75		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.59	0.37		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Pyrene	0.72	0.37		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.5		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	4.5	0.97		mg/Kg-dry	10	11/2/2023
Barium	97	0.97		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.49		mg/Kg-dry	10	11/2/2023
Chromium	12	0.97		mg/Kg-dry	10	11/2/2023
Lead	110	0.49		mg/Kg-dry	10	11/2/2023
Selenium	1.7	0.97		mg/Kg-dry	10	11/2/2023
Silver	ND	0.97		mg/Kg-dry	10	11/2/2023
Zinc	110	4.9		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: DUP-001 / 110123

Work Order: 23110028 Revision 1

Collection Date: 11/1/2023

Project: A2237020, AIS Chicago, 3710 S. California

Matrix: Soil

Lab ID: 23110028-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury Species Fractionation</b> <i>IEPA ELAP 100445</i>	<b>SW7470A/7471B (SW3200) Prep Date: 11/10/2023 Analyst: MDS</b>					
Mercury, Extractable	9.3	1.4		mg/Kg-dry	200	11/13/2023
<b>Mercury Species Fractionation</b> <i>IEPA ELAP 100445</i>	<b>SW7470A/7471B (SW3200) Prep Date: 11/10/2023 Analyst: MDS</b>					
Mercury, Semi-mobile	5.7	1.4		mg/Kg-dry	200	11/13/2023
<b>Mercury Species Fractionation</b> <i>IEPA ELAP 100445</i>	<b>SW7470A/7471B Prep Date: 11/17/2023 Analyst: MDS</b>					
Mercury, Non-mobile	0.091	0.0020		mg/Kg-dry	1	11/18/2023
<b>Mercury</b> <i>IEPA ELAP 100445</i>	<b>SW7471B Prep Date: 11/3/2023 Analyst: JB2</b>					
Mercury	79	20		mg/Kg-dry	1000	11/3/2023
<b>pH (25 °C)</b> <i>IEPA ELAP 100445</i>	<b>SW9045C Prep Date: 11/2/2023 Analyst: LJ1</b>					
pH	9.23			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974 Prep Date: 11/2/2023 Analyst: EPD</b>					
Percent Moisture	11.8	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.082		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0054		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0054		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.082		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.054		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0054		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.022		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0054		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.36		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>					
<i>IEPA ELAP 100445</i>						Prep Date: 11/2/2023 Analyst: TEM
Aniline	ND	3.6		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.36	0.36		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.6		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.64	0.36		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.53	0.36		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.81	0.36		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.47	0.36		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.46	0.36		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.36		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.36		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.40	0.36		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**  
 IEPA ELAP 100445

Fluorene	ND	0.36		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.36		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.36		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.6		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.36		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.36		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.36		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	0.51	0.36		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.2		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**  
 IEPA ELAP 100445

Aroclor 1016	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.086		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.086		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**  
 IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.018		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0018		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0018		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0018		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: MDS</b>
<i>IEPA ELAP 100445</i>						
Aluminum	1700	21		mg/Kg-dry	10	11/3/2023
Antimony	ND	2.1		mg/Kg-dry	10	11/2/2023
Arsenic	1.3	1.0		mg/Kg-dry	10	11/3/2023
Barium	15	1.0		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.52		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.52		mg/Kg-dry	10	11/3/2023
Calcium	210000	63		mg/Kg-dry	10	11/3/2023
Chromium	94	1.0		mg/Kg-dry	10	11/3/2023
Cobalt	1.3	1.0		mg/Kg-dry	10	11/3/2023
Copper	4.5	2.6		mg/Kg-dry	10	11/3/2023
Iron	18000	63		mg/Kg-dry	10	11/3/2023
Lead	10	0.52		mg/Kg-dry	10	11/3/2023
Magnesium	110000	31		mg/Kg-dry	10	11/3/2023
Manganese	2200	1.0		mg/Kg-dry	10	11/3/2023
Nickel	6.0	4.2		mg/Kg-dry	10	11/3/2023
Potassium	360	31		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-16 (0.5) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 11:00:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-011	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> <i>IEPA ELAP 100445</i>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
Selenium	ND	1.0		mg/Kg-dry	10	11/3/2023
Silver	ND	1.0		mg/Kg-dry	10	11/3/2023
Sodium	190	63		mg/Kg-dry	10	11/3/2023
Thallium	ND	1.0		mg/Kg-dry	10	11/3/2023
Vanadium	75	1.0		mg/Kg-dry	10	11/3/2023
Zinc	15	5.2		mg/Kg-dry	10	11/3/2023
<b>Mercury</b> <i>IEPA ELAP 100445</i>	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.018		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b> <i>IEPA ELAP 100445</i>	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
Cyanide	ND	0.55		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> <i>IEPA ELAP 100445</i>	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	9.27			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	9.3	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS		SW8260B	Prep Date: 11/2/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>					
Acetone	ND	0.072	mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0048	mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0048	mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0097	mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.072	mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.048	mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0048	mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0048	mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0097	mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0048	mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0097	mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0048	mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0048	mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0019	mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0019	mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0048	mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.019	mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.019	mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0097	mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0048	mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0048	mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0048	mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0048	mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0048	mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015	mg/Kg-dry	1	11/2/2023

Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)	Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>					
Acenaphthene	ND	0.37	mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.37	mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-012

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	3.7		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.37		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.64	0.37		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.7		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.93	0.37		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.42	0.37		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.73	0.37		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.62	0.37		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.3		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.7		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.9		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.9		mg/Kg-dry	1	11/3/2023
Chrysene	0.79	0.37		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.37		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.9		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.7		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.3		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.37		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.37		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.3		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.89	0.37		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-16 (1-3) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 11:00:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-012	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>				<b>Prep Date: 11/2/2023</b>		<b>Analyst: TEM</b>
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.37		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.9		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.9		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.37		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.9		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.7		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.37		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	1.9		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.75		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.38	0.37		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.9		mg/Kg-dry	1	11/3/2023
Pyrene	1.5	0.37		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.5		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.9		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>						
<b>SW6020A (SW3050B)</b>				<b>Prep Date: 11/2/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Arsenic	5.7	0.96		mg/Kg-dry	10	11/2/2023
Barium	45	0.96		mg/Kg-dry	10	11/2/2023
Cadmium	0.79	0.48		mg/Kg-dry	10	11/2/2023
Chromium	17	0.96		mg/Kg-dry	10	11/2/2023
Lead	160	0.48		mg/Kg-dry	10	11/2/2023
Selenium	1.1	0.96		mg/Kg-dry	10	11/2/2023
Silver	ND	0.96		mg/Kg-dry	10	11/2/2023
Zinc	100	4.8		mg/Kg-dry	10	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-16 (1-3) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 11:00:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-012	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.28	0.019		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.78			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	11.2	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (4-6) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.085		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0057		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0057		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.085		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.057		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0057		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0057		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0057		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0057		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0057		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.023		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0057		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0057		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0057		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0057		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0057		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: TEM**

IEPA ELAP 100445

Acenaphthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (4-6) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: TEM  
 IEPA ELAP 100445

Aniline	ND	0.41		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.40		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.0		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.040		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.21		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.040		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-16 (4-6) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:00:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: TEM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.040		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.21		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.040		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.082		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.21		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.040		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.82		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	23	1.2		mg/Kg-dry	10	11/2/2023
Barium	46	1.2		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.59		mg/Kg-dry	10	11/2/2023
Chromium	25	1.2		mg/Kg-dry	10	11/2/2023
Lead	20	0.59		mg/Kg-dry	10	11/2/2023
Selenium	ND	1.2		mg/Kg-dry	10	11/2/2023
Silver	ND	1.2		mg/Kg-dry	10	11/2/2023
Zinc	53	5.9		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-16 (4-6) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 11:00:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-013	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.021		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.84			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	17.9	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/2/2023		Analyst: ERP
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.075		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0050		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0050		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0099		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.075		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.050		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0099		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0050		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0099		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0099		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0050		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: DM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.38		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.38		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	3.8		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.38		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.41	0.38		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.8		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.60	0.38		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.55	0.38		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.62	0.38		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.42	0.38		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	9.6		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	2.0		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	2.0		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	2.0		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	9.6		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	2.0		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	9.6		mg/Kg-dry	1	11/3/2023
Carbazole	ND	2.0		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	2.0		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.8		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	2.0		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	2.0		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	2.0		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	2.0		mg/Kg-dry	1	11/3/2023
Chrysene	0.55	0.38		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.38		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	2.0		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	2.0		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	2.0		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	2.0		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	2.0		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	2.0		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	9.6		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	9.6		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	2.0		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	9.6		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.8		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	9.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.38		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.38		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	9.6		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.67	0.38		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Fluorene	ND	0.38		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	2.0		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	2.0		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	2.0		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	2.0		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.38		mg/Kg-dry	1	11/3/2023
Isophorone	ND	2.0		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	2.0		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	2.0		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	2.0		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.38		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	2.0		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	2.0		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	2.0		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.38		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	2.0		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	2.0		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.38		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.38		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.38		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.38		mg/Kg-dry	1	11/3/2023
Phenol	ND	2.0		mg/Kg-dry	1	11/3/2023
Pyrene	0.71	0.38		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.7		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	2.0		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	2.0		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	2.0		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.091		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.091		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.091		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.091		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.091		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.091		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.091		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.018		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0018		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0018		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0018		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0018		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.038		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: MDS</b>
<i>IEPA ELAP 100445</i>						
Aluminum	6200	21		mg/Kg-dry	10	11/3/2023
Antimony	2.2	2.1		mg/Kg-dry	10	11/2/2023
Arsenic	8.7	1.0		mg/Kg-dry	10	11/3/2023
Barium	110	1.0		mg/Kg-dry	10	11/3/2023
Beryllium	1.1	0.52		mg/Kg-dry	10	11/3/2023
Cadmium	1.2	0.52		mg/Kg-dry	10	11/3/2023
Calcium	26000	62		mg/Kg-dry	10	11/3/2023
Chromium	19	1.0		mg/Kg-dry	10	11/3/2023
Cobalt	6.2	1.0		mg/Kg-dry	10	11/3/2023
Copper	150	2.6		mg/Kg-dry	10	11/3/2023
Iron	44000	62		mg/Kg-dry	10	11/3/2023
Lead	370	0.52		mg/Kg-dry	10	11/3/2023
Magnesium	13000	31		mg/Kg-dry	10	11/3/2023
Manganese	350	1.0		mg/Kg-dry	10	11/3/2023
Nickel	21	4.1		mg/Kg-dry	10	11/3/2023
Potassium	850	31		mg/Kg-dry	10	11/3/2023

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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-10 (0.5) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 11:40:00 AM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-014

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
<i>IEPA ELAP 100445</i>						
Selenium	1.3	1.0		mg/Kg-dry	10	11/3/2023
Silver	ND	1.0		mg/Kg-dry	10	11/3/2023
Sodium	600	62		mg/Kg-dry	10	11/3/2023
Thallium	1.0	1.0		mg/Kg-dry	10	11/3/2023
Vanadium	29	1.0		mg/Kg-dry	10	11/3/2023
Zinc	230	5.2		mg/Kg-dry	10	11/3/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
<i>IEPA ELAP 100445</i>						
Mercury	0.55	0.020		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
<i>IEPA ELAP 100445</i>						
Cyanide	ND	0.58		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
<i>IEPA ELAP 100445</i>						
pH	7.35			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	13.5	0.2	*	wt%	1	11/3/2023

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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/2/2023		Analyst: EGH
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.079		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.079		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.052		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.016		mg/Kg-dry	1	11/2/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: DM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.038		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.038		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	0.38		mg/Kg-dry	1	11/3/2023
Anthracene	0.051	0.038		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.22	0.038		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.38		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.25	0.038		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.22	0.038		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.17	0.038		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.19	0.038		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	0.96		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	0.96		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/3/2023
Chrysene	0.25	0.038		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	0.087	0.038		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.20		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	0.96		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	0.96		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	0.96		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	0.96		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.36	0.038		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: DM

<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.038		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.12	0.038		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.038		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.038		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.24	0.038		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Pyrene	0.37	0.038		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.77		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MMR

<i>IEPA ELAP 100445</i>						
Arsenic	5.9	1.1		mg/Kg-dry	10	11/2/2023
Barium	65	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	ND	0.57		mg/Kg-dry	10	11/2/2023
Chromium	20	1.1		mg/Kg-dry	10	11/2/2023
Lead	310	0.57		mg/Kg-dry	10	11/2/2023
Selenium	1.5	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	120	5.7		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028 Revision 1  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23110028-015

**Customer Sample ID:** SB-10 (1-3) / 110123  
**Collection Date:** 11/1/2023 11:40:00 AM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.39	0.021		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.59			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	13.6	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (7-9) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/2/2023		Analyst: EGH
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.089		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0060		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0060		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.012		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.089		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.060		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0060		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0060		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.012		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0060		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.012		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0060		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0060		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0060		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.024		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0060		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0060		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0060		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0060		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0060		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.018		mg/Kg-dry	1	11/2/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: DM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.046		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.046		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (7-9) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	0.46		mg/Kg-dry	1	11/3/2023
Anthracene	0.063	0.046		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.14	0.046		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.46		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.14	0.046		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.13	0.046		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.092	0.046		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.11	0.046		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.2		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.24		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.24		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.24		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.2		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.24		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.2		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.24		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.24		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.46		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.24		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.24		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.24		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.24		mg/Kg-dry	1	11/3/2023
Chrysene	0.14	0.046		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.046		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.24		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.24		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.24		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.24		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.2		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.2		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.24		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.2		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.46		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.2		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.046		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.046		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.2		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.22	0.046		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-10 (7-9) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 11:40:00 AM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>				<b>Prep Date: 11/2/2023</b>		<b>Analyst: DM</b>
<i>IEPA ELAP 100445</i>						
Fluorene	0.054	0.046		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.24		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.24		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.24		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.24		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.076	0.046		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.24		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	0.26	0.24		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.24		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.24		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.046		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.24		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.046		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.24		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.46		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.24		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.046		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.24		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.093		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.29	0.046		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.24		mg/Kg-dry	1	11/3/2023
Pyrene	0.23	0.046		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.93		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.24		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.24		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.24		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>						
<b>SW6020A (SW3050B)</b>				<b>Prep Date: 11/2/2023</b>		<b>Analyst: MMR</b>
<i>IEPA ELAP 100445</i>						
Arsenic	9.4	1.3		mg/Kg-dry	10	11/2/2023
Barium	75	1.3		mg/Kg-dry	10	11/2/2023
Cadmium	1.2	0.64		mg/Kg-dry	10	11/2/2023
Chromium	8.5	1.3		mg/Kg-dry	10	11/2/2023
Lead	860	0.64		mg/Kg-dry	10	11/2/2023
Selenium	2.0	1.3		mg/Kg-dry	10	11/2/2023
Silver	ND	1.3		mg/Kg-dry	10	11/2/2023
Zinc	170	6.4		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-10 (7-9) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 11:40:00 AM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-016	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.35	0.023		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.11			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	28.4	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW8260B</b>		Prep Date: 11/2/2023		Analyst: EGH
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.071		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0048		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0048		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0095		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.071		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.048		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0095		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0048		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0095		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.019		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0095		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0048		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.014		mg/Kg-dry	1	11/2/2023

<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: DM
<i>IEPA ELAP 100445</i>						
Acenaphthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.42	0.35		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.5		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.59	0.35		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.64	0.35		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.62	0.35		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.48	0.35		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.8		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.8		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.8		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.59	0.35		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.8		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.8		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.8		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.8		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.8		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.61	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Fluorene	ND	0.35		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.39	0.35		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.5		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.35		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	0.61	0.35		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.1		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.085		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.085		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.085		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.085		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.085		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.085		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.085		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: GVC</b>
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			<b>Prep Date: 11/2/2023</b>		<b>Analyst: MDS</b>
<i>IEPA ELAP 100445</i>						
Aluminum	2500	20		mg/Kg-dry	10	11/3/2023
Antimony	ND	2.0		mg/Kg-dry	10	11/2/2023
Arsenic	2.3	1.0		mg/Kg-dry	10	11/3/2023
Barium	40	1.0		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.50		mg/Kg-dry	10	11/3/2023
Cadmium	1.9	0.50		mg/Kg-dry	10	11/3/2023
Calcium	160000	60		mg/Kg-dry	10	11/3/2023
Chromium	16	1.0		mg/Kg-dry	10	11/3/2023
Cobalt	2.1	1.0		mg/Kg-dry	10	11/3/2023
Copper	16	2.5		mg/Kg-dry	10	11/3/2023
Iron	9100	60		mg/Kg-dry	10	11/3/2023
Lead	28	0.50		mg/Kg-dry	10	11/3/2023
Magnesium	87000	30		mg/Kg-dry	10	11/3/2023
Manganese	370	1.0		mg/Kg-dry	10	11/3/2023
Nickel	9.1	4.0		mg/Kg-dry	10	11/3/2023
Potassium	570	30		mg/Kg-dry	10	11/3/2023

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Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-12 (0.5) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 12:40:00 PM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
Selenium	ND	1.0		mg/Kg-dry	10	11/3/2023
Silver	ND	1.0		mg/Kg-dry	10	11/3/2023
Sodium	190	60		mg/Kg-dry	10	11/3/2023
Thallium	ND	1.0		mg/Kg-dry	10	11/3/2023
Vanadium	24	1.0		mg/Kg-dry	10	11/3/2023
Zinc	86	5.0		mg/Kg-dry	10	11/3/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.019		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
Cyanide	ND	0.54		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	8.45			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	7.5	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.073		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.073		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.049		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0098		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	0.076	0.037		mg/Kg-dry	1	11/3/2023
Acenaphthylene	0.071	0.037		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	0.38		mg/Kg-dry	1	11/3/2023
Anthracene	0.27	0.037		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	1.8	0.037		mg/Kg-dry	1	11/3/2023
Benzdine	ND	0.37		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	2.0	0.037		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	1.3	0.037		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	1.1	0.037		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	1.3	0.037		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	0.94		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	11/3/2023
Chrysene	2.0	0.037		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	0.52	0.037		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.19		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	0.94		mg/Kg-dry	1	11/3/2023
Fluoranthene	2.4	0.037		mg/Kg-dry	1	11/3/2023

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:40:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM**

IEPA ELAP 100445

Fluorene	0.063	0.037		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.19		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.81	0.037		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Naphthalene	0.062	0.037		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.037		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.076		mg/Kg-dry	1	11/3/2023
Phenanthrene	1.1	0.037		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.19		mg/Kg-dry	1	11/3/2023
Pyrene	3.2	0.037		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.76		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS SW6020A (SW3050B) Prep Date: 11/2/2023 Analyst: MMR**

IEPA ELAP 100445

Arsenic	13	1.1		mg/Kg-dry	10	11/2/2023
Barium	120	1.1		mg/Kg-dry	10	11/2/2023
Cadmium	3.6	0.55		mg/Kg-dry	10	11/2/2023
Chromium	17	1.1		mg/Kg-dry	10	11/2/2023
Lead	230	0.55		mg/Kg-dry	10	11/2/2023
Selenium	2.6	1.1		mg/Kg-dry	10	11/2/2023
Silver	ND	1.1		mg/Kg-dry	10	11/2/2023
Zinc	420	5.5		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028 Revision 1  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23110028-018

**Customer Sample ID:** SB-12 (1-3) / 110123  
**Collection Date:** 11/1/2023 12:40:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/3/2023 Analyst: <b>JB2</b>
Mercury	0.14	0.020		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/2/2023 Analyst: <b>LJ1</b>
pH	6.29			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/2/2023 Analyst: <b>EPD</b>
	14.0	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (5-7) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**  
 IEPA ELAP 100445

Acetone	ND	0.10		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0066		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0066		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.013		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.10		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.066		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0066		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0066		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.013		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0066		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.013		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0066		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0066		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0066		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.026		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.013		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0066		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0066		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0066		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0066		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0066		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.019		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**  
 IEPA ELAP 100445

Acenaphthene	ND	0.045		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.045		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter  
 RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (5-7) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	0.45		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.45		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.058	0.045		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.048	0.045		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.048	0.045		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.1		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.045		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.23		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.45		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.050	0.045		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-12 (5-7) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 12:10:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: DM
<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.045		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.23		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.045		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.045		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.045		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.45		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.045		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.23		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.091		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.047	0.045		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Pyrene	0.056	0.045		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.91		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	9.1	1.2		mg/Kg-dry	10	11/2/2023
Barium	58	1.2		mg/Kg-dry	10	11/2/2023
Cadmium	1.0	0.60		mg/Kg-dry	10	11/2/2023
Chromium	23	1.2		mg/Kg-dry	10	11/2/2023
Lead	360	0.60		mg/Kg-dry	10	11/2/2023
Selenium	1.3	1.2		mg/Kg-dry	10	11/2/2023
Silver	ND	1.2		mg/Kg-dry	10	11/2/2023
Zinc	140	6.0		mg/Kg-dry	10	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-12 (5-7) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 12:10:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-019	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.19	0.023		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.34			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	27.7	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded





Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-005 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.077		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.077		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.051		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.016		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	ND	0.34		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.34		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-005 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.4		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.45	0.34		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.7		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.4		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.36	0.34		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.4		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.34		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-005 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Fluorene	ND	0.34		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.34		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.34		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.34		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.4		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.34		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.34		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.34		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.34		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	0.41	0.34		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.0		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.084		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.084		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> DUP-005 / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-020	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Pesticides	SW8081B (SW3550B)		Prep Date: 11/2/2023	Analyst: GVC	
4,4'-DDD	ND	0.0017	mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0017	mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0017	mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0017	mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0017	mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0017	mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0017	mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.017	mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0017	mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0017	mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0017	mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0017	mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0017	mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0017	mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0017	mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0017	mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0017	mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0017	mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0017	mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0017	mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0017	mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.035	mg/Kg-dry	1	11/2/2023

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 11/2/2023	Analyst: MDS	
<i>IEPA ELAP 100445</i>					
Aluminum	2100	19	mg/Kg-dry	10	11/3/2023
Antimony	ND	1.9	mg/Kg-dry	10	11/2/2023
Arsenic	2.2	0.95	mg/Kg-dry	10	11/3/2023
Barium	28	0.95	mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.47	mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.47	mg/Kg-dry	10	11/3/2023
Calcium	160000	57	mg/Kg-dry	10	11/3/2023
Chromium	41	0.95	mg/Kg-dry	10	11/3/2023
Cobalt	2.2	0.95	mg/Kg-dry	10	11/3/2023
Copper	15	2.4	mg/Kg-dry	10	11/3/2023
Iron	8400	57	mg/Kg-dry	10	11/3/2023
Lead	78	0.47	mg/Kg-dry	10	11/3/2023
Magnesium	87000	28	mg/Kg-dry	10	11/3/2023
Manganese	470	0.95	mg/Kg-dry	10	11/3/2023
Nickel	7.8	3.8	mg/Kg-dry	10	11/3/2023
Potassium	410	28	mg/Kg-dry	10	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-005 / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
Selenium	ND	0.95		mg/Kg-dry	10	11/3/2023
Silver	ND	0.95		mg/Kg-dry	10	11/3/2023
Sodium	180	57		mg/Kg-dry	10	11/3/2023
Thallium	ND	0.95		mg/Kg-dry	10	11/3/2023
Vanadium	29	0.95		mg/Kg-dry	10	11/3/2023
Zinc	39	4.7		mg/Kg-dry	10	11/3/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.018	0.018		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
Cyanide	ND	0.53		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	9.99			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	5.5	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.065		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0043		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0043		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0088		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.065		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.043		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0043		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0043		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0088		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0043		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0088		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0043		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0043		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0043		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.018		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0088		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0043		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0043		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0043		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0043		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0043		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.013		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzdine	ND	3.5		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.50	0.35		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.7		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.35		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: **DM**

<i>IEPA ELAP 100445</i>						
Fluorene	ND	0.35		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.5		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.35		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.35		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	0.40	0.35		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.0		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs**      **SW8082A (SW3550B)**      Prep Date: 11/2/2023      Analyst: **GVC**

<i>IEPA ELAP 100445</i>						
Aroclor 1016	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.083		mg/Kg-dry	1	11/2/2023

**Pesticides**      **SW8081B (SW3550B)**      Prep Date: 11/2/2023      Analyst: **GVC**

*IEPA ELAP 100445*

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded





Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-13 (0.5) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 1:20:00 PM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>		<b>SW8081B (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: GVC
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.035		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Aluminum	2400	20		mg/Kg-dry	10	11/3/2023
Antimony	ND	2.0		mg/Kg-dry	10	11/3/2023
Arsenic	2.0	0.99		mg/Kg-dry	10	11/3/2023
Barium	25	0.99		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.49		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.49		mg/Kg-dry	10	11/3/2023
Calcium	150000	59		mg/Kg-dry	10	11/3/2023
Chromium	18	0.99		mg/Kg-dry	10	11/3/2023
Cobalt	2.2	0.99		mg/Kg-dry	10	11/3/2023
Copper	12	2.5		mg/Kg-dry	10	11/3/2023
Iron	7300	59		mg/Kg-dry	10	11/3/2023
Lead	30	0.49		mg/Kg-dry	10	11/3/2023
Magnesium	79000	30		mg/Kg-dry	10	11/3/2023
Manganese	310	0.99		mg/Kg-dry	10	11/3/2023
Nickel	8.2	4.0		mg/Kg-dry	10	11/3/2023
Potassium	520	30		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: SB-13 (0.5) / 110123  
 Work Order: 23110028 Revision 1 Collection Date: 11/1/2023 1:20:00 PM  
 Project: A2237020, AIS Chicago, 3710 S. California Matrix: Soil  
 Lab ID: 23110028-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: MMR
IEPA ELAP 100445						
Selenium	ND	0.99		mg/Kg-dry	10	11/3/2023
Silver	ND	0.99		mg/Kg-dry	10	11/3/2023
Sodium	220	59		mg/Kg-dry	10	11/3/2023
Thallium	ND	0.99		mg/Kg-dry	10	11/3/2023
Vanadium	22	0.99		mg/Kg-dry	10	11/3/2023
Zinc	33	4.9		mg/Kg-dry	10	11/3/2023
<b>Mercury</b>	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: JB2
IEPA ELAP 100445						
Mercury	ND	0.019		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b>	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: MD
IEPA ELAP 100445						
Cyanide	ND	0.53		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: LJ1
IEPA ELAP 100445						
pH	9.98			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: EPD
Percent Moisture	5.2	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.074		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.074		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.049		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0049		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0098		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.0098		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0049		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	ND	0.35		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	3.5		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.66	0.35		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.5		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.81	0.35		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.70	0.35		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.79	0.35		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.57	0.35		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.7		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.68	0.35		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.35		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.5		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.7		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.7		mg/Kg-dry	1	11/3/2023
Fluoranthene	1.1	0.35		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: DM

IEPA ELAP 100445

Fluorene	ND	0.35		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.49	0.35		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.35		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.5		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.35		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.70		mg/Kg-dry	1	11/3/2023
Phenanthrene	0.45	0.35		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	1.1	0.35		mg/Kg-dry	1	11/3/2023
Pyridine	ND	7.0		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MDS

IEPA ELAP 100445

Arsenic	1.6	0.90		mg/Kg-dry	10	11/3/2023
Barium	30	0.90		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.45		mg/Kg-dry	10	11/3/2023
Chromium	12	0.90		mg/Kg-dry	10	11/3/2023
Lead	15	0.45		mg/Kg-dry	10	11/3/2023
Selenium	ND	0.90		mg/Kg-dry	10	11/3/2023
Silver	ND	0.90		mg/Kg-dry	10	11/3/2023
Zinc	31	4.5		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028 Revision 1  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23110028-022

**Customer Sample ID:** SB-13 (1-3) / 110123  
**Collection Date:** 11/1/2023 1:20:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.017		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	9.72			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	5.4	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (4-6) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.077		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.077		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.051		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0051		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0051		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	ND	0.042		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.042		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (4-6) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	0.42		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.042		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.42		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.1		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.22		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.042		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.22		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.042		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-13 (4-6) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 1:20:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: DM

IEPA ELAP 100445

Fluorene	ND	0.042		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.22		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.22		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.22		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.22		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.042		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.042		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.042		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.22		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.042		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.85		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MDS

IEPA ELAP 100445

Arsenic	3.3	1.1		mg/Kg-dry	10	11/3/2023
Barium	76	1.1		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.57		mg/Kg-dry	10	11/3/2023
Chromium	28	1.1		mg/Kg-dry	10	11/3/2023
Lead	25	0.57		mg/Kg-dry	10	11/3/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/3/2023
Silver	ND	1.1		mg/Kg-dry	10	11/3/2023
Zinc	65	5.7		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028 Revision 1  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23110028-023

**Customer Sample ID:** SB-13 (4-6) / 110123  
**Collection Date:** 11/1/2023 1:20:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	0.026	0.023		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.44			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	21.8	0.2	*	wt%	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.070		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0046		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0046		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.0092		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.070		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.046		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.0092		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0046		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.0092		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.019		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.013		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0046		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.013		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	ND	0.34		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.34		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	3.4		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	0.41	0.34		mg/Kg-dry	1	11/3/2023
Benzidine	ND	3.4		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	0.74	0.34		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	0.55	0.34		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	0.61	0.34		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	0.61	0.34		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	8.6		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
Carbazole	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	3.4		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	11/3/2023
Chrysene	0.57	0.34		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.34		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	1.8		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	3.4		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	8.6		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	8.6		mg/Kg-dry	1	11/3/2023
Fluoranthene	0.63	0.34		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Fluorene	ND	0.34		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	1.8		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	0.39	0.34		mg/Kg-dry	1	11/3/2023
Isophorone	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.34		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.34		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	3.4		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.34		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.34		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.34		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.34		mg/Kg-dry	1	11/3/2023
Phenol	ND	1.8		mg/Kg-dry	1	11/3/2023
Pyrene	0.67	0.34		mg/Kg-dry	1	11/3/2023
Pyridine	ND	6.9		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	11/3/2023

**PCBs** **SW8082A (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

Aroclor 1016	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1221	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1232	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1242	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1248	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1254	ND	0.083		mg/Kg-dry	1	11/2/2023
Aroclor 1260	ND	0.083		mg/Kg-dry	1	11/2/2023

**Pesticides** **SW8081B (SW3550B)** **Prep Date: 11/2/2023** **Analyst: GVC**

IEPA ELAP 100445

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>		<b>SW8081B (SW3550B)</b>		Prep Date: 11/2/2023		Analyst: GVC
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	11/2/2023
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	11/2/2023
Aldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
beta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Chlordane	ND	0.017		mg/Kg-dry	1	11/2/2023
delta-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
Dieldrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan I	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan II	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	11/2/2023
Endrin ketone	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-BHC	ND	0.0017		mg/Kg-dry	1	11/2/2023
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	11/2/2023
Methoxychlor	ND	0.0017		mg/Kg-dry	1	11/2/2023
Toxaphene	ND	0.034		mg/Kg-dry	1	11/2/2023
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 11/2/2023		Analyst: MDS
<i>IEPA ELAP 100445</i>						
Aluminum	3300	19		mg/Kg-dry	10	11/3/2023
Antimony	ND	1.9		mg/Kg-dry	10	11/3/2023
Arsenic	3.1	0.94		mg/Kg-dry	10	11/3/2023
Barium	43	0.94		mg/Kg-dry	10	11/3/2023
Beryllium	ND	0.47		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.47		mg/Kg-dry	10	11/3/2023
Calcium	170000	56		mg/Kg-dry	10	11/3/2023
Chromium	31	0.94		mg/Kg-dry	10	11/3/2023
Cobalt	2.6	0.94		mg/Kg-dry	10	11/3/2023
Copper	23	2.3		mg/Kg-dry	10	11/3/2023
Iron	30000	56		mg/Kg-dry	10	11/3/2023
Lead	13	0.47		mg/Kg-dry	10	11/3/2023
Magnesium	88000	28		mg/Kg-dry	10	11/3/2023
Manganese	810	0.94		mg/Kg-dry	10	11/3/2023
Nickel	11	3.8		mg/Kg-dry	10	11/3/2023
Potassium	570	28		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 22, 2023  
**Date Printed:** November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (0.5) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-024

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b> IEPA ELAP 100445	<b>SW6020A (SW3050B)</b>				Prep Date: 11/2/2023	Analyst: <b>MDS</b>
Selenium	ND	0.94		mg/Kg-dry	10	11/3/2023
Silver	ND	0.94		mg/Kg-dry	10	11/3/2023
Sodium	230	56		mg/Kg-dry	10	11/3/2023
Thallium	ND	0.94		mg/Kg-dry	10	11/3/2023
Vanadium	37	0.94		mg/Kg-dry	10	11/3/2023
Zinc	40	4.7		mg/Kg-dry	10	11/3/2023
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.018		mg/Kg-dry	1	11/3/2023
<b>Cyanide, Total</b> IEPA ELAP 100445	<b>SW9012A</b>				Prep Date: 11/2/2023	Analyst: <b>MD</b>
Cyanide	ND	0.52		mg/Kg-dry	1	11/2/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	9.50			pH Units	1	11/2/2023
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
Percent Moisture	3.6	0.2	*	wt%	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS** **SW8260B** **Prep Date: 11/2/2023** **Analyst: EGH**

IEPA ELAP 100445

Acetone	ND	0.076		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0052		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.010		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.076		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.052		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0052		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.010		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.020		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.010		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0052		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Acenaphthene	0.45	0.038		mg/Kg-dry	1	11/3/2023
Acenaphthylene	0.22	0.038		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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Date Reported: November 22, 2023  
 Date Printed: November 22, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-025

**Analyses** **Result** **RL** **Qualifier** **Units** **DF** **Date Analyzed**

**Semivolatile Organic Compounds by GC/MS** **SW8270C (SW3550B)** **Prep Date: 11/2/2023** **Analyst: DM**  
 IEPA ELAP 100445

Aniline	ND	0.38		mg/Kg-dry	1	11/3/2023
Anthracene	1.7	0.038		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	4.6	0.038		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.38		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	4.7	0.038		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	3.9	0.038		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	2.5	0.038		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	3.7	0.038		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	0.95		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	0.95		mg/Kg-dry	1	11/3/2023
Carbazole	0.57	0.20		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	11/3/2023
Chrysene	4.7	0.038		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	1.3	0.038		mg/Kg-dry	1	11/3/2023
Dibenzofuran	0.28	0.20		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	0.95		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	0.95		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	0.95		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	0.95		mg/Kg-dry	1	11/3/2023
Fluoranthene	9.7	0.19		mg/Kg-dry	5	11/6/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (1-3) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>				<b>Prep Date: 11/2/2023</b>		<b>Analyst: DM</b>
<i>IEPA ELAP 100445</i>						
Fluorene	0.45	0.038		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.20		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	2.2	0.038		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Naphthalene	0.23	0.038		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.038		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.077		mg/Kg-dry	1	11/3/2023
Phenanthrene	6.0	0.19		mg/Kg-dry	5	11/6/2023
Phenol	ND	0.20		mg/Kg-dry	1	11/3/2023
Pyrene	8.3	0.19		mg/Kg-dry	5	11/6/2023
Pyridine	ND	0.77		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	11/3/2023
<b>Metals by ICP/MS</b>						
<b>SW6020A (SW3050B)</b>				<b>Prep Date: 11/2/2023</b>		<b>Analyst: MDS</b>
<i>IEPA ELAP 100445</i>						
Arsenic	6.1	1.1		mg/Kg-dry	10	11/3/2023
Barium	430	1.1		mg/Kg-dry	10	11/3/2023
Cadmium	0.97	0.54		mg/Kg-dry	10	11/3/2023
Chromium	24	1.1		mg/Kg-dry	10	11/3/2023
Lead	190	0.54		mg/Kg-dry	10	11/3/2023
Selenium	ND	1.1		mg/Kg-dry	10	11/3/2023
Silver	ND	1.1		mg/Kg-dry	10	11/3/2023
Zinc	230	5.4		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028 Revision 1  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23110028-025

**Customer Sample ID:** SB-14 (1-3) / 110123  
**Collection Date:** 11/1/2023 2:00:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/3/2023 Analyst: <b>JB2</b>
Mercury	0.57	0.020		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/2/2023 Analyst: <b>LJ1</b>
pH	7.50			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/2/2023 Analyst: <b>EPD</b>
	14.9	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> SB-14 (7-9) / 110123
<b>Work Order:</b> 23110028 Revision 1	<b>Collection Date:</b> 11/1/2023 2:00:00 PM
<b>Project:</b> A2237020, AIS Chicago, 3710 S. California	<b>Matrix:</b> Soil
<b>Lab ID:</b> 23110028-026	

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Volatile Organic Compounds by GC/MS**      **SW8260B**      Prep Date: 11/2/2023      Analyst: **EGH**

IEPA ELAP 100445

Acetone	ND	0.083		mg/Kg-dry	1	11/2/2023
Benzene	ND	0.0056		mg/Kg-dry	1	11/2/2023
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
Bromoform	ND	0.0056		mg/Kg-dry	1	11/2/2023
Bromomethane	ND	0.011		mg/Kg-dry	1	11/2/2023
2-Butanone	ND	0.083		mg/Kg-dry	1	11/2/2023
Carbon disulfide	ND	0.056		mg/Kg-dry	1	11/2/2023
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	11/2/2023
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	11/2/2023
Chloroethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Chloroform	ND	0.0056		mg/Kg-dry	1	11/2/2023
Chloromethane	ND	0.011		mg/Kg-dry	1	11/2/2023
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/2/2023
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	11/2/2023
2-Hexanone	ND	0.022		mg/Kg-dry	1	11/2/2023
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	11/2/2023
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/2/2023
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	11/2/2023
Styrene	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	11/2/2023
Toluene	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	11/2/2023
Trichloroethene	ND	0.0056		mg/Kg-dry	1	11/2/2023
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	11/2/2023
Xylenes, Total	ND	0.016		mg/Kg-dry	1	11/2/2023

**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: **DM**

IEPA ELAP 100445

Acenaphthene	ND	0.045		mg/Kg-dry	1	11/3/2023
Acenaphthylene	ND	0.045		mg/Kg-dry	1	11/3/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (7-9) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS** SW8270C (SW3550B) Prep Date: 11/2/2023 Analyst: DM  
 IEPA ELAP 100445

Aniline	ND	0.45		mg/Kg-dry	1	11/3/2023
Anthracene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benz(a)anthracene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzidine	ND	0.45		mg/Kg-dry	1	11/3/2023
Benzo(a)pyrene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzo(b)fluoranthene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzo(g,h,i)perylene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzo(k)fluoranthene	ND	0.045		mg/Kg-dry	1	11/3/2023
Benzoic acid	ND	1.1		mg/Kg-dry	1	11/3/2023
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	11/3/2023
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/3/2023
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Carbazole	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	11/3/2023
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	11/3/2023
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	11/3/2023
Chrysene	ND	0.045		mg/Kg-dry	1	11/3/2023
Dibenz(a,h)anthracene	ND	0.045		mg/Kg-dry	1	11/3/2023
Dibenzofuran	ND	0.23		mg/Kg-dry	1	11/3/2023
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
4,6-Dinitro-2-methylphenol	ND	0.45		mg/Kg-dry	1	11/3/2023
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	11/3/2023
2,4-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/3/2023
2,6-Dinitrotoluene	ND	0.045		mg/Kg-dry	1	11/3/2023
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	11/3/2023
Fluoranthene	ND	0.045		mg/Kg-dry	1	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
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 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** SB-14 (7-9) / 110123  
**Work Order:** 23110028 Revision 1 **Collection Date:** 11/1/2023 2:00:00 PM  
**Project:** A2237020, AIS Chicago, 3710 S. California **Matrix:** Soil  
**Lab ID:** 23110028-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS**      **SW8270C (SW3550B)**      Prep Date: 11/2/2023      Analyst: DM

IEPA ELAP 100445

Fluorene	ND	0.045		mg/Kg-dry	1	11/3/2023
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	11/3/2023
Hexachloroethane	ND	0.23		mg/Kg-dry	1	11/3/2023
Indeno(1,2,3-cd)pyrene	ND	0.045		mg/Kg-dry	1	11/3/2023
Isophorone	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Methylnaphthalene	ND	0.23		mg/Kg-dry	1	11/3/2023
2-Methylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Methylphenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Naphthalene	ND	0.045		mg/Kg-dry	1	11/3/2023
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	11/3/2023
Nitrobenzene	ND	0.045		mg/Kg-dry	1	11/3/2023
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
4-Nitrophenol	ND	0.45		mg/Kg-dry	1	11/3/2023
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	11/3/2023
N-Nitrosodi-n-propylamine	ND	0.045		mg/Kg-dry	1	11/3/2023
N-Nitrosodiphenylamine	ND	0.23		mg/Kg-dry	1	11/3/2023
Pentachlorophenol	ND	0.091		mg/Kg-dry	1	11/3/2023
Phenanthrene	ND	0.045		mg/Kg-dry	1	11/3/2023
Phenol	ND	0.23		mg/Kg-dry	1	11/3/2023
Pyrene	ND	0.045		mg/Kg-dry	1	11/3/2023
Pyridine	ND	0.91		mg/Kg-dry	1	11/3/2023
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	11/3/2023

**Metals by ICP/MS**      **SW6020A (SW3050B)**      Prep Date: 11/2/2023      Analyst: MDS

IEPA ELAP 100445

Arsenic	5.1	1.3		mg/Kg-dry	10	11/3/2023
Barium	43	1.3		mg/Kg-dry	10	11/3/2023
Cadmium	ND	0.64		mg/Kg-dry	10	11/3/2023
Chromium	26	1.3		mg/Kg-dry	10	11/3/2023
Lead	21	0.64		mg/Kg-dry	10	11/3/2023
Selenium	ND	1.3		mg/Kg-dry	10	11/3/2023
Silver	ND	1.3		mg/Kg-dry	10	11/3/2023
Zinc	63	6.4		mg/Kg-dry	10	11/3/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit      RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits      S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank      R - RPD outside accepted recovery limits  
 HT - Sample received past holding time      E - Value above quantitation range  
 \* - Non-accredited parameter      H - Holding time exceeded



Date Reported: November 22, 2023

## Analytical Results

Date Printed: November 22, 2023

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028 Revision 1  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Lab ID:** 23110028-026

**Customer Sample ID:** SB-14 (7-9) / 110123  
**Collection Date:** 11/1/2023 2:00:00 PM  
**Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>				Prep Date: 11/3/2023	Analyst: <b>JB2</b>
Mercury	ND	0.023		mg/Kg-dry	1	11/3/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>				Prep Date: 11/2/2023	Analyst: <b>LJ1</b>
pH	7.77			pH Units	1	11/2/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>				Prep Date: 11/2/2023	Analyst: <b>EPD</b>
	26.9	0.2	*	wt%	1	11/3/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded

CHAIN OF CUSTODY RECORD

Company: Terrecon Consultants  
 Project Number: A2237020  
 Project Name: AIS Chicago  
 Project Location: 3710 S. California  
 Sampler(s): J. Petralia  
 Report To: Rich O'Brien Phone: 312-443-2988  
 QC Level: 1 2 3 4  
 Client Tracking No.:  
 e-mail: rmobrien@terrecon.com

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	am/pm	Lab No.:
<del>SB-09(0.5)/SB-9(0.5)/"</del>	11/1/23	0850	S						007
<del>SB-09( SB-9(1-3)/"</del>	11/1/23	0850							002
SB-9(5-7)/110123	11/1/23	0850							007
SB-11(0.5)/110123	11/1/23	0930							004
SB-11(1-3)/110123	11/1/23	0930							007
SB-11(8-10)/110123	11/1/23	0930							006
SB-15(0.5)/110123	11/1/23	1010							007
SB-15(1-3)/110123	11/1/23	1010							007
SB-15(3-5)/110123	11/1/23	1010							005
DUP-004/110123	11/1/23	-							010
SB-16(0.5)/110123	11/1/23	1100							011
SB-16(1-3)/110123	11/1/23	1100							012
SB-16(4-6)/110123	11/1/23	1100							013
SB-10(0.5)/110123	11/1/23	1140							014
SB-10(1-3)/110123	11/1/23	1140							015
SB-10(7-9)/110123	11/1/23	1140							016
SB-12(0.5)/110123	11/1/23	1240							017
SB-12(1-3)/110123	11/1/23	1240							018
SB-12(5-7)/110123	11/1/23	1240							019
DUP-005/110123	11/1/23	-							020

Remarks: SB-9(0.5)/110123  
SB-9(1-3)/110123  
VOCs  
SVCs  
(Hold) TCLP RCRH metals + zinc  
RCRH metals + zinc + pH

Turn Around Time (Days): 1 2 3 4 5-7 10

Results Needed:

Received on Ice: Yes  No   
 Temperature: On Ice

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other

Comments:

Relinquished by: (Signature) Jo Petralia Date/Time: 11/1/23 1635  
 Received by: (Signature) MOA Date/Time: 11/1/2023 1635  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Laboratory Work Order No.: 23110098





2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551  
 509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663  
 info@thesterlinglab.com

CHAIN OF CUSTODY RECORD

Company: Terracon Consultants  
 Project Number: A2237020  
 Project Name: AIS Chicago  
 Project Location: 3710 S. California  
 Sampler(s): J. Petrucci  
 Report To: Rich O'Brien Phone: 312-443-2958  
 QC Level: 1 2 3 4  
 e-mail: mobrien@terracon.com

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
SB-13 (0.5) / 110123	11/1/23	1320	S				
SB-13 (1-3) / 110123	11/1/23	1320					
SB-13 (4-6) / 110123	11/1/23	1320					
SB-14 (0.5) / 110123	11/1/23	1400					
SB-14 (1-3) / 110123	11/1/23	1400					
SB-14 (7-9) / 110123	11/1/23	1400					

P.O. No.:  
 Quote No.:  
 Turn Around Time (Days): 1 2 3 4 5-7 10  
 Results Needed:  
 Remarks: MS/MSD  
 Lab No.: 021 022 023 024 025 026

Relinquished by: (Signature) [Signature] Date/Time: 11/1/23 1635  
 Received by: (Signature) [Signature] Date/Time: 11/1/2023 1635  
 Relinquished by: (Signature)  
 Received by: (Signature)  
 Relinquished by: (Signature)  
 Received by: (Signature)

Comments:  
 Laboratory Work Order No.: 2810028  
 Received on Ice: Yes  No   
 Temperature: 01.00 °C

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other



### Sample Receipt Checklist

Customer: **TERRACON-CHICAGO**

Date and Time Received: **11/1/2023 4:35:00 PM**

Work Order Number **23110028**

Received by: **MRH**

Checklist completed by: \_\_\_\_\_

Signature

Date

Reviewed by: \_\_\_\_\_

Initials

Date

Matrix:

Carrier name Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature On Ice °C
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Customer / Person contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

## STAT 23110028 - Elemental Mercury Request

O'Brien, Richard M <Rich.O'Brien@terracon.com>

Wed 11/8/2023 5:28 PM

To:Justice Kwateng <jkwateng@TheSterlingLab.com>;Craig Chawla <cchawla@TheSterlingLab.com>

Cc:Swenson, Steve R <steves@st-ma.com>

Hi Justice,

Regarding STAT 23110028, we just received an urgent client request that elemental mercury be performed at your fastest turnaround for the following samples:

SB-15 (1-3)

DUP-001

Please confirm receipt, and please let us know estimated timing for results so we can pass that along.

Thanks,

Richard O'Brien, P.E.

Senior Environmental Engineer



650 West Lake Street, Suite 420 | Chicago, IL 60661

D (312) 489-5501 O: (312) 575-0014 | [rmobrien@terracon.com](mailto:rmobrien@terracon.com) | [terracon.com](http://terracon.com)

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**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8260B **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK110123A-4B	105	101	96.5	94.0				
VLCS110123A-4B	104	99.7	91.0	95.7				
VLCS110123A-4B	99.6	99.0	88.4	93.3				
23110028-015B	99.0	100	103	103				
23110028-016B	102	98.2	102	105				
23110028-017B	102	98.6	98.6	105				
23110028-018B	101	100	98.0	103				
23110028-019B	105	98.5	93.1	108				
23110028-020B	101	101	93.1	102				
23110028-021B	99.9	98.9	94.3	103				
23110028-023B	97.0	98.8	96.6	99.2				
23110028-024B	97.4	99.6	95.6	101				
23110028-024BMS	99.7	99.9	97.4	104				
23110028-024BMSD	101	101	96.7	101				
23110028-025B	98.9	99.8	96.5	109				
23110028-026B	98.4	99.6	93.8	103				
VBLK110223-7	116	95.5	92.8	96.1				
VLCS110223-7	121	100	90.2	94.4				
VLCS110223-7	120	98.0	89.5	98.1				
23110028-001B	100	92.0	101	105				
23110028-002B	99.8	97.5	95.2	103				
23110028-003B	111	94.7	91.4	99.4				
23110028-004B	108	94.3	93.9	99.0				
23110028-005B	105	97.5	93.4	103				
23110028-006B	116	97.6	95.6	101				
23110028-007B	110	96.4	93.8	109				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

\* Surrogate recovery outside acceptance limits

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8260B **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
23110028-008B	96.0	94.3	94.8	99.9				
23110028-009B	113	96.9	103	107				
23110028-010B	103	96.3	94.4	103				
23110028-011B	109	95.8	94.9	101				
23110028-012B	105	95.1	93.9	98.9				
23110028-013B	110	95.4	92.2	102				
23110028-014B	113	97.5	97.9	106				
VBLK110223-7A	112	94.1	87.6	95.2				
VLCS110223-7A	122 *	100	93.1	101				
VLCS110223-7A	120	99.1	90.4	97.2				
23110028-022B	91.1	91.2	99.4	108				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	58-122
BZMED8	= Toluene-d8	73-122
DBFM	= Dibromofluoromethane	65-131
DCA12D4	= 1,2-Dichloroethane-d4	71-143

\* Surrogate recovery outside acceptance limits

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203198**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5978842	BFB110223-7	TUNE	BFB	R203198	1	11/02/2023 08:26
5978849	VSTD050	CCV	VOC_ENCORE+	R203198	1	11/02/2023 10:16
5978850	VBLK110223-7	MBLK	VOC_ENCORE+	R203198	1	11/02/2023 10:53
5978851	VLCS110223-7	LCS	VOC_ENCORE+	R203198	1	11/02/2023 11:27
5979117	VLCS110223-7	LCSD	VOC_ENCORE+	R203198	1	11/02/2023 12:00
5979125	23110028-001B	SAMP	VOC_S	154141	1	11/02/2023 12:38
5979126	23110028-002B	SAMP	VOC_S	154141	1	11/02/2023 13:12
5979403	23110028-003B	SAMP	VOC_S	154141	1	11/02/2023 13:46
5979404	23110028-004B	SAMP	VOC_S	154141	1	11/02/2023 14:19
5979405	23110028-005B	SAMP	VOC_S	154141	1	11/02/2023 14:53
5979422	23110028-006B	SAMP	VOC_S	154141	1	11/02/2023 15:27
5979444	23110028-007B	SAMP	VOC_S	154141	1	11/02/2023 16:01
5979684	23110028-008B	SAMP	VOC_S	154141	1	11/02/2023 16:34
5979685	23110028-009B	SAMP	VOC_S	154141	1	11/02/2023 17:08
5979690	23110028-010B	SAMP	VOC_S	154141	1	11/02/2023 17:42
5979716	23110028-011B	SAMP	VOC_S	154141	1	11/02/2023 18:15
5979717	23110028-012B	SAMP	VOC_S	154141	1	11/02/2023 18:49
5979718	23110028-013B	SAMP	VOC_S	154141	1	11/02/2023 19:23
5979719	23110028-014B	SAMP	VOC_S	154141	1	11/02/2023 19:56

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VBLK110223-7	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		11/2/2023	VOA-7_231102A	5978850			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	ND	0.075									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
2-Butanone	ND	0.075									
Carbon disulfide	0.00043	0.050									J
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	0.00285	0.0050									J
Chloromethane	ND	0.010									
Dibromochloromethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
cis-1,2-Dichloroethene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									
trans-1,3-Dichloropropene	ND	0.0020									
Ethylbenzene	ND	0.0050									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203198**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLBK110223-7</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-7_231102A</b>	<b>5978850</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010									
Methyl tert-butyl ether	ND	0.0050									
Styrene	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
1,1,1-Trichloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110223-7</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-7_231102A</b>	<b>5978851</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.06373	0.075	0.1	0	63.7	50	150	0	0		J
Benzene	0.04825	0.0050	0.05	0	96.5	70	130	0	0		
Bromodichloromethane	0.04911	0.0050	0.05	0	98.2	70	130	0	0		
Bromoform	0.0619	0.0050	0.05	0	124	70	130	0	0		
Bromomethane	0.0397	0.010	0.05	0	79.4	50	150	0	0		
2-Butanone	0.08732	0.075	0.1	0	87.3	50	150	0	0		
Carbon disulfide	0.08438	0.050	0.1	0.00043	84	70	130	0	0		
Carbon tetrachloride	0.05131	0.0050	0.05	0	103	70	130	0	0		
Chlorobenzene	0.05534	0.0050	0.05	0	111	70	130	0	0		
Chloroethane	0.03984	0.010	0.05	0	79.7	70	130	0	0		
Chloroform	0.04524	0.0050	0.05	0.00285	84.8	70	130	0	0		
Chloromethane	0.0444	0.010	0.05	0	88.8	70	130	0	0		
Dibromochloromethane	0.05749	0.0050	0.05	0	115	70	130	0	0		
1,1-Dichloroethane	0.04215	0.0050	0.05	0	84.3	70	130	0	0		
1,2-Dichloroethane	0.04573	0.0050	0.05	0	91.5	70	130	0	0		
1,1-Dichloroethene	0.03935	0.0050	0.05	0	78.7	70	130	0	0		
cis-1,2-Dichloroethene	0.04646	0.0050	0.05	0	92.9	70	130	0	0		
trans-1,2-Dichloroethene	0.04833	0.0050	0.05	0	96.7	70	130	0	0		
1,2-Dichloropropane	0.04505	0.0050	0.05	0	90.1	70	130	0	0		
cis-1,3-Dichloropropene	0.0916	0.0020	0.1	0	91.6	70	130	0	0		
trans-1,3-Dichloropropene	0.1117	0.0020	0.1	0	112	70	130	0	0		
Ethylbenzene	0.05291	0.0050	0.05	0	106	70	130	0	0		
2-Hexanone	0.07666	0.020	0.1	0	76.7	50	150	0	0		
4-Methyl-2-pentanone	0.07914	0.020	0.1	0	79.1	50	150	0	0		
Methylene chloride	0.0423	0.010	0.05	0	84.6	70	130	0	0		
Methyl tert-butyl ether	0.04578	0.0050	0.05	0	91.6	70	130	0	0		
Styrene	0.0545	0.0050	0.05	0	109	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05221	0.0050	0.05	0	104	70	130	0	0		
Tetrachloroethene	0.05995	0.0050	0.05	0	120	70	130	0	0		
Toluene	0.05227	0.0050	0.05	0	105	70	130	0	0		
1,1,1-Trichloroethane	0.04814	0.0050	0.05	0	96.3	70	130	0	0		
1,1,2-Trichloroethane	0.05075	0.0050	0.05	0	102	70	130	0	0		
Trichloroethene	0.05119	0.0050	0.05	0	102	70	130	0	0		
Vinyl chloride	0.04464	0.0050	0.05	0	89.3	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203198**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110223-7	ZZZZZ	LCS	mg/Kg	SW5035/8260B		11/2/2023	VOA-7_231102A	5978851			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total 0.1624 0.015 0.15 0 108 70 130 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110223-7	ZZZZZ	LCSD	mg/Kg	SW5035/8260B		11/2/2023	VOA-7_231102A	5979117			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.06015	0.075	0.1	0	60.2	50	150	0.06373	0	20	J
Benzene	0.04848	0.0050	0.05	0	97	70	130	0.04825	0.476	20	
Bromodichloromethane	0.04941	0.0050	0.05	0	98.8	70	130	0.04911	0.609	20	
Bromoform	0.06168	0.0050	0.05	0	123	70	130	0.0619	0.356	20	
Bromomethane	0.0336	0.010	0.05	0	67.2	50	150	0.0397	16.6	20	
2-Butanone	0.08699	0.075	0.1	0	87	50	150	0.08732	0.379	20	
Carbon disulfide	0.0782	0.050	0.1	0.00043	77.8	70	130	0.08438	7.60	20	
Carbon tetrachloride	0.04853	0.0050	0.05	0	97.1	70	130	0.05131	5.57	20	
Chlorobenzene	0.05689	0.0050	0.05	0	114	70	130	0.05534	2.76	20	
Chloroethane	0.03688	0.010	0.05	0	73.8	70	130	0.03984	7.72	20	
Chloroform	0.0468	0.0050	0.05	0.00285	87.9	70	130	0.04524	3.39	20	
Chloromethane	0.04142	0.010	0.05	0	82.8	70	130	0.0444	6.94	20	
Dibromochloromethane	0.05834	0.0050	0.05	0	117	70	130	0.05749	1.47	20	
1,1-Dichloroethane	0.04247	0.0050	0.05	0	84.9	70	130	0.04215	0.756	20	
1,2-Dichloroethane	0.0462	0.0050	0.05	0	92.4	70	130	0.04573	1.02	20	
1,1-Dichloroethene	0.04152	0.0050	0.05	0	83	70	130	0.03935	5.37	20	
cis-1,2-Dichloroethene	0.04831	0.0050	0.05	0	96.6	70	130	0.04646	3.90	20	
trans-1,2-Dichloroethene	0.05038	0.0050	0.05	0	101	70	130	0.04833	4.15	20	
1,2-Dichloropropane	0.04499	0.0050	0.05	0	90	70	130	0.04505	0.133	20	
cis-1,3-Dichloropropene	0.09241	0.0020	0.1	0	92.4	70	130	0.0916	0.880	20	
trans-1,3-Dichloropropene	0.1156	0.0020	0.1	0	116	70	130	0.1117	3.49	20	
Ethylbenzene	0.05384	0.0050	0.05	0	108	70	130	0.05291	1.74	20	
2-Hexanone	0.07785	0.020	0.1	0	77.8	50	150	0.07666	1.54	20	
4-Methyl-2-pentanone	0.07655	0.020	0.1	0	76.6	50	150	0.07914	3.33	20	
Methylene chloride	0.04037	0.010	0.05	0	80.7	70	130	0.0423	4.67	20	
Methyl tert-butyl ether	0.04366	0.0050	0.05	0	87.3	70	130	0.04578	4.74	20	
Styrene	0.05558	0.0050	0.05	0	111	70	130	0.0545	1.96	20	
1,1,2,2-Tetrachloroethane	0.05217	0.0050	0.05	0	104	70	130	0.05221	0.0766	20	
Tetrachloroethene	0.05907	0.0050	0.05	0	118	70	130	0.05995	1.48	20	
Toluene	0.05245	0.0050	0.05	0	105	70	130	0.05227	0.344	20	
1,1,1-Trichloroethane	0.04682	0.0050	0.05	0	93.6	70	130	0.04814	2.78	20	
1,1,2-Trichloroethane	0.05315	0.0050	0.05	0	106	70	130	0.05075	4.62	20	
Trichloroethene	0.05008	0.0050	0.05	0	100	70	130	0.05119	2.19	20	
Vinyl chloride	0.042	0.0050	0.05	0	84	70	130	0.04464	6.09	20	
Xylenes, Total	0.1647	0.015	0.15	0	110	70	130	0.1624	1.44	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203203**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5978944	BFB110123A-4B	TUNE	BFB	R203203	1	11/02/2023 10:37
5978945	VSTD050	CCV	VOC_ENCORE+	R203203	1	11/02/2023 11:00
5978946	VBLK110123A-4B	MBLK	VOC_ENCORE+	R203203	1	11/02/2023 11:34
5978947	VLCS110123A-4B	LCS	VOC_ENCORE+	R203203	1	11/02/2023 12:08
5979102	VLCS110123A-4B	LCSD	VOC_ENCORE+	R203203	1	11/02/2023 12:41
5979479	23110028-015B	SAMP	VOC_S	154141	1	11/02/2023 13:26
5979484	23110028-016B	SAMP	VOC_S	154141	1	11/02/2023 14:00
5979485	23110028-017B	SAMP	VOC_S	154141	1	11/02/2023 14:33
5979497	23110028-018B	SAMP	VOC_S	154141	1	11/02/2023 15:07
5979498	23110028-019B	SAMP	VOC_S	154141	1	11/02/2023 15:40
5979504	23110028-020B	SAMP	VOC_S	154141	1	11/02/2023 16:14
5979564	23110028-021B	SAMP	VOC_S	154141	1	11/02/2023 16:48
5979683	23100860-001A	SAMP	BTEX_5035	154170	1	11/02/2023 17:21
5979689	23110028-023B	SAMP	VOC_S	154141	1	11/02/2023 17:55
5979713	23110028-024B	SAMP	VOC_S	154141	1	11/02/2023 18:28
5979714	23110028-024BMS	MS	VOC_S+	154141	1	11/02/2023 19:02
5979715	23110028-024BMSD	MSD	VOC_S+	154141	1	11/02/2023 19:35
5979720	23110028-025B	SAMP	VOC_S	154141	1	11/02/2023 20:09
5979746	23110028-026B	SAMP	VOC_S	154141	1	11/02/2023 20:42
5979732	23100626-002A	SAMP	VOC_5035	154141	1	11/02/2023 21:16
5979733	23100626-008A	SAMP	VOC_5035	154141	1	11/02/2023 21:50

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
VBLK110123A-4B	ZZZZZ	MBLK	mg/Kg	SW5035/8260B		11/2/2023	VOA-4_231102A	5978946				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	ND	0.075										
Benzene	ND	0.0050										
Bromodichloromethane	ND	0.0050										
Bromoform	ND	0.0050										
Bromomethane	ND	0.010										
2-Butanone	ND	0.075										
Carbon disulfide	ND	0.050										
Carbon tetrachloride	ND	0.0050										
Chlorobenzene	ND	0.0050										
Chloroethane	ND	0.010										
Chloroform	0.00342	0.0050										J
Chloromethane	ND	0.010										
Dibromochloromethane	ND	0.0050										
1,1-Dichloroethane	ND	0.0050										
1,2-Dichloroethane	ND	0.0050										
1,1-Dichloroethene	ND	0.0050										
cis-1,2-Dichloroethene	ND	0.0050										
trans-1,2-Dichloroethene	ND	0.0050										
1,2-Dichloropropane	ND	0.0050										
cis-1,3-Dichloropropene	ND	0.0020										
trans-1,3-Dichloropropene	ND	0.0020										
Ethylbenzene	ND	0.0050										

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203203**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VBLK110123A-4B</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-4_231102A</b>	<b>5978946</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Methylene chloride	0.00326	0.010									J
Methyl tert-butyl ether	ND	0.0050									
Styrene	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
1,1,1-Trichloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110123A-4B</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-4_231102A</b>	<b>5978947</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.07272	0.075	0.1	0	72.7	50	150	0	0		J
Benzene	0.05498	0.0050	0.05	0	110	70	130	0	0		
Bromodichloromethane	0.05585	0.0050	0.05	0	112	70	130	0	0		
Bromoform	0.05516	0.0050	0.05	0	110	70	130	0	0		
Bromomethane	0.04437	0.010	0.05	0	88.7	50	150	0	0		
2-Butanone	0.09557	0.075	0.1	0	95.6	50	150	0	0		
Carbon disulfide	0.1025	0.050	0.1	0	102	70	130	0	0		
Carbon tetrachloride	0.05724	0.0050	0.05	0	114	70	130	0	0		
Chlorobenzene	0.05964	0.0050	0.05	0	119	70	130	0	0		
Chloroethane	0.04639	0.010	0.05	0	92.8	70	130	0	0		
Chloroform	0.05472	0.0050	0.05	0.00342	103	70	130	0	0		
Chloromethane	0.04649	0.010	0.05	0	93	70	130	0	0		
Dibromochloromethane	0.05536	0.0050	0.05	0	111	70	130	0	0		
1,1-Dichloroethane	0.05098	0.0050	0.05	0	102	70	130	0	0		
1,2-Dichloroethane	0.05284	0.0050	0.05	0	106	70	130	0	0		
1,1-Dichloroethene	0.05565	0.0050	0.05	0	111	70	130	0	0		
cis-1,2-Dichloroethene	0.05129	0.0050	0.05	0	103	70	130	0	0		
trans-1,2-Dichloroethene	0.0549	0.0050	0.05	0	110	70	130	0	0		
1,2-Dichloropropane	0.05093	0.0050	0.05	0	102	70	130	0	0		
cis-1,3-Dichloropropene	0.1032	0.0020	0.1	0	103	70	130	0	0		
trans-1,3-Dichloropropene	0.1136	0.0020	0.1	0	114	70	130	0	0		
Ethylbenzene	0.05926	0.0050	0.05	0	119	70	130	0	0		
2-Hexanone	0.09138	0.020	0.1	0	91.4	50	150	0	0		
4-Methyl-2-pentanone	0.09064	0.020	0.1	0	90.6	50	150	0	0		
Methylene chloride	0.05023	0.010	0.05	0.00326	93.9	70	130	0	0		
Methyl tert-butyl ether	0.05115	0.0050	0.05	0	102	70	130	0	0		
Styrene	0.0569	0.0050	0.05	0	114	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05091	0.0050	0.05	0	102	70	130	0	0		
Tetrachloroethene	0.06437	0.0050	0.05	0	129	70	130	0	0		
Toluene	0.05742	0.0050	0.05	0	115	70	130	0	0		
1,1,1-Trichloroethane	0.05627	0.0050	0.05	0	113	70	130	0	0		
1,1,2-Trichloroethane	0.056	0.0050	0.05	0	112	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203203**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110123A-4B</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-4_231102A</b>	<b>5978947</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Trichloroethene	0.05578	0.0050	0.05	0	112	70	130	0	0		
Vinyl chloride	0.04802	0.0050	0.05	0	96	70	130	0	0		
Xylenes, Total	0.1769	0.015	0.15	0	118	70	130	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110123A-4B</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-4_231102A</b>	<b>5978947</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	0.07881	0.075	0.1	0	78.8	50	150	0.07272	8.04	20	
Benzene	0.05547	0.0050	0.05	0	111	70	130	0.05498	0.887	20	
Bromodichloromethane	0.05562	0.0050	0.05	0	111	70	130	0.05585	0.413	20	
Bromoform	0.05343	0.0050	0.05	0	107	70	130	0.05516	3.19	20	
Bromomethane	0.04356	0.010	0.05	0	87.1	50	150	0.04437	1.84	20	
2-Butanone	0.09702	0.075	0.1	0	97	50	150	0.09557	1.51	20	
Carbon disulfide	0.1054	0.050	0.1	0	105	70	130	0.1025	2.78	20	
Carbon tetrachloride	0.05983	0.0050	0.05	0	120	70	130	0.05724	4.42	20	
Chlorobenzene	0.05861	0.0050	0.05	0	117	70	130	0.05964	1.74	20	
Chloroethane	0.0478	0.010	0.05	0	95.6	70	130	0.04639	2.99	20	
Chloroform	0.0539	0.0050	0.05	0.00342	101	70	130	0.05472	1.51	20	
Chloromethane	0.04666	0.010	0.05	0	93.3	70	130	0.04649	0.365	20	
Dibromochloromethane	0.0548	0.0050	0.05	0	110	70	130	0.05536	1.02	20	
1,1-Dichloroethane	0.05039	0.0050	0.05	0	101	70	130	0.05098	1.16	20	
1,2-Dichloroethane	0.05153	0.0050	0.05	0	103	70	130	0.05284	2.51	20	
1,1-Dichloroethene	0.05502	0.0050	0.05	0	110	70	130	0.05565	1.14	20	
cis-1,2-Dichloroethene	0.05159	0.0050	0.05	0	103	70	130	0.05129	0.583	20	
trans-1,2-Dichloroethene	0.05408	0.0050	0.05	0	108	70	130	0.0549	1.50	20	
1,2-Dichloropropane	0.0517	0.0050	0.05	0	103	70	130	0.05093	1.50	20	
cis-1,3-Dichloropropene	0.1016	0.0020	0.1	0	102	70	130	0.1032	1.60	20	
trans-1,3-Dichloropropene	0.1107	0.0020	0.1	0	111	70	130	0.1136	2.66	20	
Ethylbenzene	0.06005	0.0050	0.05	0	120	70	130	0.05926	1.32	20	
2-Hexanone	0.09174	0.020	0.1	0	91.7	50	150	0.09138	0.393	20	
4-Methyl-2-pentanone	0.09056	0.020	0.1	0	90.6	50	150	0.09064	0.0883	20	
Methylene chloride	0.04969	0.010	0.05	0.00326	92.9	70	130	0.05023	1.08	20	
Methyl tert-butyl ether	0.05078	0.0050	0.05	0	102	70	130	0.05115	0.726	20	
Styrene	0.05679	0.0050	0.05	0	114	70	130	0.0569	0.194	20	
1,1,2,2-Tetrachloroethane	0.05031	0.0050	0.05	0	101	70	130	0.05091	1.19	20	
Tetrachloroethene	0.06508	0.0050	0.05	0	130	70	130	0.06437	1.10	20	S
Toluene	0.05778	0.0050	0.05	0	116	70	130	0.05742	0.625	20	
1,1,1-Trichloroethane	0.05809	0.0050	0.05	0	116	70	130	0.05627	3.18	20	
1,1,2-Trichloroethane	0.05546	0.0050	0.05	0	111	70	130	0.056	0.969	20	
Trichloroethene	0.05795	0.0050	0.05	0	116	70	130	0.05578	3.82	20	
Vinyl chloride	0.04873	0.0050	0.05	0	97.5	70	130	0.04802	1.47	20	
Xylenes, Total	0.177	0.015	0.15	0	118	70	130	0.1769	0.0283	20	

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>23110028-024BMS</b>	<b>SB-14 (0.5) / 1101</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW8260B</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>VOA-4_231102A</b>	<b>5979714</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	0.1269	0.069	0.0919	0.08007	51	50	150	0	0		
Benzene	0.04015	0.0046	0.04595	0.003718	79.3	56	129	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203203**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW8260B	11/2/2023	11/2/2023	VOA-4_231102A	5979714			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Bromodichloromethane	0.03562	0.0046	0.04595	0	77.5	70	130	0	0		
Bromoform	0.02092	0.0046	0.04595	0	45.5	70	130	0	0		S
Bromomethane	0.04179	0.0092	0.04595	0	90.9	50	150	0	0		
2-Butanone	0.06895	0.069	0.0919	0	75	50	150	0	0		
Carbon disulfide	0.07646	0.046	0.0919	0	83.2	70	130	0	0		
Carbon tetrachloride	0.03586	0.0046	0.04595	0	78	59	131	0	0		
Chlorobenzene	0.02349	0.0046	0.04595	0	51.1	35	121	0	0		
Chloroethane	0.04486	0.0092	0.04595	0	97.6	70	130	0	0		
Chloroform	0.04124	0.0046	0.04595	0	89.8	56	129	0	0		
Chloromethane	0.04657	0.0092	0.04595	0	101	70	130	0	0		
Dibromochloromethane	0.02785	0.0046	0.04595	0	60.6	70	130	0	0		S
1,1-Dichloroethane	0.04412	0.0046	0.04595	0	96	60	123	0	0		
1,2-Dichloroethane	0.0416	0.0046	0.04595	0	90.5	70	130	0	0		
1,1-Dichloroethene	0.04691	0.0046	0.04595	0	102	61	137	0	0		
cis-1,2-Dichloroethene	0.041	0.0046	0.04595	0	89.2	55	129	0	0		
trans-1,2-Dichloroethene	0.0446	0.0046	0.04595	0	97.1	45	133	0	0		
1,2-Dichloropropane	0.03774	0.0046	0.04595	0	82.1	70	130	0	0		
cis-1,3-Dichloropropene	0.06521	0.0019	0.04595	0	142	45	120	0	0		S
trans-1,3-Dichloropropene	0.06297	0.0019	0.04595	0	137	31	135	0	0		S
Ethylbenzene	0.02254	0.0046	0.04595	0.002582	43.4	70	130	0	0		S
2-Hexanone	0.06313	0.019	0.0919	0	68.7	50	150	0	0		
4-Methyl-2-pentanone	0.07097	0.019	0.0919	0	77.2	50	150	0	0		
Methylene chloride	0.05337	0.0092	0.04595	0	116	70	130	0	0		
Methyl tert-butyl ether	0.04801	0.0046	0.04595	0	104	63	131	0	0		
Styrene	0.0185	0.0046	0.04595	0	40.3	70	130	0	0		S
1,1,2,2-Tetrachloroethane	0.01972	0.0046	0.04595	0	42.9	70	130	0	0		S
Tetrachloroethene	0.02508	0.0046	0.04595	0	54.6	70	130	0	0		S
Toluene	0.03133	0.0046	0.04595	0.003305	61	61	134	0	0		S
1,1,1-Trichloroethane	0.04031	0.0046	0.04595	0	87.7	62	137	0	0		
1,1,2-Trichloroethane	0.03508	0.0046	0.04595	0	76.3	70	130	0	0		
Trichloroethene	0.03375	0.0046	0.04595	0	73.5	70	130	0	0		
Vinyl chloride	0.04585	0.0046	0.04595	0	99.8	70	130	0	0		
Xylenes, Total	0.06129	0.013	0.1378	0	44.5	50	200	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8260B	11/2/2023	11/2/2023	VOA-4_231102A	5979715			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	0.1367	0.069	0.09182	0.08007	61.7	50	150	0.1269	7.43	20	
Benzene	0.03816	0.0046	0.04591	0.003718	75	56	129	0.04015	5.09	53	
Bromodichloromethane	0.03381	0.0046	0.04591	0	73.6	70	130	0.03562	5.22	20	
Bromoform	0.02115	0.0046	0.04591	0	46.1	70	130	0.02092	1.09	20	S
Bromomethane	0.04123	0.0091	0.04591	0	89.8	50	150	0.04179	1.33	20	
2-Butanone	0.07836	0.069	0.09182	0	85.4	50	150	0.06895	12.8	20	
Carbon disulfide	0.07159	0.046	0.09182	0	78	70	130	0.07646	6.58	20	
Carbon tetrachloride	0.0323	0.0046	0.04591	0	70.4	59	131	0.03586	10.4	55	
Chlorobenzene	0.024	0.0046	0.04591	0	52.3	35	121	0.02349	2.16	64	
Chloroethane	0.045	0.0091	0.04591	0	98	70	130	0.04486	0.300	20	
Chloroform	0.03891	0.0046	0.04591	0	84.8	56	129	0.04124	5.82	56	
Chloromethane	0.04661	0.0091	0.04591	0	102	70	130	0.04657	0.0889	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203203**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8260B	11/2/2023	11/2/2023	VOA-4_231102A				5979715
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibromochloromethane	0.02795	0.0046	0.04591	0	60.9	70	130	0.02785	0.339	20	S
1,1-Dichloroethane	0.04158	0.0046	0.04591	0	90.6	60	123	0.04412	5.92	54	
1,2-Dichloroethane	0.03983	0.0046	0.04591	0	86.8	70	130	0.0416	4.35	20	
1,1-Dichloroethene	0.04301	0.0046	0.04591	0	93.7	61	137	0.04691	8.69	54	
cis-1,2-Dichloroethene	0.03848	0.0046	0.04591	0	83.8	55	129	0.041	6.33	55	
trans-1,2-Dichloroethene	0.04138	0.0046	0.04591	0	90.1	45	133	0.0446	7.48	65	
1,2-Dichloropropane	0.03668	0.0046	0.04591	0	79.9	70	130	0.03774	2.85	20	
cis-1,3-Dichloropropene	0.06341	0.0019	0.04591	0	138	45	120	0.06521	2.80	58	S
trans-1,3-Dichloropropene	0.06321	0.0019	0.04591	0	138	31	135	0.06297	0.392	58	S
Ethylbenzene	0.0229	0.0046	0.04591	0.002582	44.3	70	130	0.02254	1.57	20	S
2-Hexanone	0.06957	0.019	0.09182	0	75.8	50	150	0.06313	9.70	20	
4-Methyl-2-pentanone	0.07711	0.019	0.09182	0	84	50	150	0.07097	8.29	20	
Methylene chloride	0.05161	0.0091	0.04591	0	112	70	130	0.05337	3.36	20	
Methyl tert-butyl ether	0.04644	0.0046	0.04591	0	101	63	131	0.04801	3.32	53	
Styrene	0.01958	0.0046	0.04591	0	42.7	70	130	0.0185	5.70	20	S
1,1,2,2-Tetrachloroethane	0.01902	0.0046	0.04591	0	41.4	70	130	0.01972	3.60	20	S
Tetrachloroethene	0.02433	0.0046	0.04591	0	53	70	130	0.02508	3.03	20	S
Toluene	0.03035	0.0046	0.04591	0.003305	58.9	61	134	0.03133	3.19	53	S
1,1,1-Trichloroethane	0.03696	0.0046	0.04591	0	80.5	62	137	0.04031	8.65	51	
1,1,2-Trichloroethane	0.03416	0.0046	0.04591	0	74.4	70	130	0.03508	2.66	20	
Trichloroethene	0.0331	0.0046	0.04591	0	72.1	70	130	0.03375	1.96	20	
Vinyl chloride	0.04542	0.0046	0.04591	0	98.9	70	130	0.04585	0.934	20	
Xylenes, Total	0.06214	0.013	0.1377	0	45.1	50	200	0.06129	1.39	20	S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203234**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5979725	BFB110123-7A	TUNE	BFB	R203234	1	11/02/2023 20:41
5979730	VSTD050	CCV	VOC_ENCORE+	R203234	1	11/02/2023 21:07
5979731	VBLK110223-7A	MBLK	VOC_ENCORE+	R203234	1	11/02/2023 21:41
5979735	VLCS110223-7A	LCS	VOC_ENCORE+	R203234	1	11/02/2023 22:15
5979736	VLCS110223-7A	LCSD	VOC_ENCORE+	R203234	1	11/02/2023 22:49
5979745	23110028-022B	SAMP	VOC_S	154141	1	11/02/2023 23:35
5979747	23100872-020A	SAMP	VOC_5035	154141	1	11/03/2023 00:09
5979822	23100872-022A	SAMP	VOC_5035	154141	1	11/03/2023 00:43
5979823	23100872-024A	SAMP	VOC_5035	154141	50000	11/03/2023 01:17
5979825	23100872-026A	SAMP	VOC_5035	154141	50	11/03/2023 01:51
5979827	23100872-025A	SAMP	VOC_5035	154141	5000	11/03/2023 02:25
5979829	23100872-028A	SAMP	VOC_5035	154141	500	11/03/2023 02:59
5979830	23100872-029A	SAMP	VOC_5035	154141	500	11/03/2023 03:33
5979831	23100872-007A	SAMP	VOC_5035	154176	5000	11/03/2023 04:07
5979832	23100872-028A	SAMP	VOC_5035	154141	50	11/03/2023 04:40
5979834	23100872-029A	SAMP	VOC_5035	154141	50	11/03/2023 05:14
5979835	23100872-007A	SAMP	VOC_5035	154176	50	11/03/2023 05:48
5979837	23100872-004A	SAMP	VOC_5035	154141	50	11/03/2023 07:30
5979841	23100872-025A	SAMP	VOC_5035	154141	50	11/03/2023 08:04

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>VBLK110223-7A</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-7_231102B</b>	<b>5979731</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	ND	0.075										
Benzene	ND	0.0050										
Bromodichloromethane	ND	0.0050										
Bromoform	ND	0.0050										
Bromomethane	ND	0.010										
2-Butanone	ND	0.075										
Carbon disulfide	ND	0.050										
Carbon tetrachloride	ND	0.0050										
Chlorobenzene	ND	0.0050										
Chloroethane	ND	0.010										
Chloroform	0.00185	0.0050										J
Chloromethane	ND	0.010										
Dibromochloromethane	ND	0.0050										
1,1-Dichloroethane	ND	0.0050										
1,2-Dichloroethane	ND	0.0050										
1,1-Dichloroethene	ND	0.0050										
cis-1,2-Dichloroethene	ND	0.0050										
trans-1,2-Dichloroethene	ND	0.0050										
1,2-Dichloropropane	ND	0.0050										
cis-1,3-Dichloropropene	ND	0.0020										
trans-1,3-Dichloropropene	ND	0.0020										
Ethylbenzene	ND	0.0050										
2-Hexanone	ND	0.020										
4-Methyl-2-pentanone	ND	0.020										

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203234**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLBK110223-7A</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-7_231102B</b>	<b>5979731</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	ND	0.010									
Methyl tert-butyl ether	ND	0.0050									
Styrene	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
1,1,1-Trichloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									
Xylenes, Total	ND	0.015									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>VLCS110223-7A</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW5035/8260B</b>		<b>11/2/2023</b>	<b>VOA-7_231102B</b>	<b>5979735</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.06532	0.075	0.1	0	65.3	50	150	0	0		J
Benzene	0.05407	0.0050	0.05	0	108	70	130	0	0		
Bromodichloromethane	0.05405	0.0050	0.05	0	108	70	130	0	0		
Bromoform	0.06575	0.0050	0.05	0	132	70	130	0	0		S
Bromomethane	0.04201	0.010	0.05	0	84	50	150	0	0		
2-Butanone	0.09147	0.075	0.1	0	91.5	50	150	0	0		
Carbon disulfide	0.09126	0.050	0.1	0	91.3	70	130	0	0		
Carbon tetrachloride	0.05473	0.0050	0.05	0	109	70	130	0	0		
Chlorobenzene	0.05998	0.0050	0.05	0	120	70	130	0	0		
Chloroethane	0.04208	0.010	0.05	0	84.2	70	130	0	0		
Chloroform	0.05118	0.0050	0.05	0.00185	98.7	70	130	0	0		
Chloromethane	0.03546	0.010	0.05	0	70.9	70	130	0	0		
Dibromochloromethane	0.06294	0.0050	0.05	0	126	70	130	0	0		
1,1-Dichloroethane	0.04744	0.0050	0.05	0	94.9	70	130	0	0		
1,2-Dichloroethane	0.05088	0.0050	0.05	0	102	70	130	0	0		
1,1-Dichloroethene	0.0454	0.0050	0.05	0	90.8	70	130	0	0		
cis-1,2-Dichloroethene	0.05441	0.0050	0.05	0	109	70	130	0	0		
trans-1,2-Dichloroethene	0.05601	0.0050	0.05	0	112	70	130	0	0		
1,2-Dichloropropane	0.05087	0.0050	0.05	0	102	70	130	0	0		
cis-1,3-Dichloropropene	0.1026	0.0020	0.1	0	103	70	130	0	0		
trans-1,3-Dichloropropene	0.1212	0.0020	0.1	0	121	70	130	0	0		
Ethylbenzene	0.05792	0.0050	0.05	0	116	70	130	0	0		
2-Hexanone	0.07823	0.020	0.1	0	78.2	50	150	0	0		
4-Methyl-2-pentanone	0.0817	0.020	0.1	0	81.7	50	150	0	0		
Methylene chloride	0.04975	0.010	0.05	0	99.5	70	130	0	0		
Methyl tert-butyl ether	0.04517	0.0050	0.05	0	90.3	70	130	0	0		
Styrene	0.06058	0.0050	0.05	0	121	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05471	0.0050	0.05	0	109	70	130	0	0		
Tetrachloroethene	0.06378	0.0050	0.05	0	128	70	130	0	0		
Toluene	0.05904	0.0050	0.05	0	118	70	130	0	0		
1,1,1-Trichloroethane	0.05089	0.0050	0.05	0	102	70	130	0	0		
1,1,2-Trichloroethane	0.05588	0.0050	0.05	0	112	70	130	0	0		
Trichloroethene	0.05566	0.0050	0.05	0	111	70	130	0	0		
Vinyl chloride	0.04779	0.0050	0.05	0	95.6	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Volatiles**  
**BatchID: R203234**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110223-7A	ZZZZZ	LCS	mg/Kg	SW5035/8260B		11/2/2023	VOA-7_231102B	5979735			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total 0.1787 0.015 0.15 0 119 70 130 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110223-7A	ZZZZZ	LCS	mg/Kg	SW5035/8260B		11/2/2023	VOA-7_231102B	5979735			
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
VLCS110223-7A	ZZZZZ	LCS	mg/Kg	SW5035/8260B		11/2/2023	VOA-7_231102B	5979735			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	0.05727	0.075	0.1	0	57.3	50	150	0.06532	0	20	J
Benzene	0.05214	0.0050	0.05	0	104	70	130	0.05407	3.63	20	
Bromodichloromethane	0.05198	0.0050	0.05	0	104	70	130	0.05405	3.90	20	
Bromoform	0.06251	0.0050	0.05	0	125	70	130	0.06575	5.05	20	
Bromomethane	0.04083	0.010	0.05	0	81.7	50	150	0.04201	2.85	20	
2-Butanone	0.08275	0.075	0.1	0	82.8	50	150	0.09147	10.0	20	
Carbon disulfide	0.09177	0.050	0.1	0	91.8	70	130	0.09126	0.557	20	
Carbon tetrachloride	0.05479	0.0050	0.05	0	110	70	130	0.05473	0.110	20	
Chlorobenzene	0.05817	0.0050	0.05	0	116	70	130	0.05998	3.06	20	
Chloroethane	0.04179	0.010	0.05	0	83.6	70	130	0.04208	0.692	20	
Chloroform	0.04871	0.0050	0.05	0.00185	93.7	70	130	0.05118	4.95	20	
Chloromethane	0.03561	0.010	0.05	0	71.2	70	130	0.03546	0.422	20	
Dibromochloromethane	0.05976	0.0050	0.05	0	120	70	130	0.06294	5.18	20	
1,1-Dichloroethane	0.0455	0.0050	0.05	0	91	70	130	0.04744	4.17	20	
1,2-Dichloroethane	0.0472	0.0050	0.05	0	94.4	70	130	0.05088	7.50	20	
1,1-Dichloroethene	0.04641	0.0050	0.05	0	92.8	70	130	0.0454	2.20	20	
cis-1,2-Dichloroethene	0.05036	0.0050	0.05	0	101	70	130	0.05441	7.73	20	
trans-1,2-Dichloroethene	0.05288	0.0050	0.05	0	106	70	130	0.05601	5.75	20	
1,2-Dichloropropane	0.04789	0.0050	0.05	0	95.8	70	130	0.05087	6.03	20	
cis-1,3-Dichloropropene	0.09526	0.0020	0.1	0	95.3	70	130	0.1026	7.43	20	
trans-1,3-Dichloropropene	0.1157	0.0020	0.1	0	116	70	130	0.1212	4.63	20	
Ethylbenzene	0.05577	0.0050	0.05	0	112	70	130	0.05792	3.78	20	
2-Hexanone	0.07307	0.020	0.1	0	73.1	50	150	0.07823	6.82	20	
4-Methyl-2-pentanone	0.07372	0.020	0.1	0	73.7	50	150	0.0817	10.3	20	
Methylene chloride	0.0465	0.010	0.05	0	93	70	130	0.04975	6.75	20	
Methyl tert-butyl ether	0.04225	0.0050	0.05	0	84.5	70	130	0.04517	6.68	20	
Styrene	0.05815	0.0050	0.05	0	116	70	130	0.06058	4.09	20	
1,1,2,2-Tetrachloroethane	0.05099	0.0050	0.05	0	102	70	130	0.05471	7.04	20	
Tetrachloroethene	0.06362	0.0050	0.05	0	127	70	130	0.06378	0.251	20	
Toluene	0.05524	0.0050	0.05	0	110	70	130	0.05904	6.65	20	
1,1,1-Trichloroethane	0.04942	0.0050	0.05	0	98.8	70	130	0.05089	2.93	20	
1,1,2-Trichloroethane	0.05137	0.0050	0.05	0	103	70	130	0.05588	8.41	20	
Trichloroethene	0.05378	0.0050	0.05	0	108	70	130	0.05566	3.44	20	
Vinyl chloride	0.04813	0.0050	0.05	0	96.3	70	130	0.04779	0.709	20	
Xylenes, Total	0.1735	0.015	0.15	0	116	70	130	0.1787	2.95	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded





**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8270C **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
23110028-014B	90.3	88.0	82.0	79.9	82.0	89.3	98.6	87.4
23110028-015B	68.9	65.5	66.5	73.4	59.3	69.9	73.2	67.5
23110028-016B	79.4	75.9	76.8	91.5	68.4	79.5	84.3	73.3
23110028-017B	96.2	91.4	93.0	85.3	84.6	96.4	93.4	86.0
23110028-018B	80.5	74.2	78.6	91.9	68.0	80.8	84.7	83.6
23110028-019B	88.0	82.1	85.4	95.6	76.1	87.8	91.1	84.6
23110028-020B	86.1	86.4	83.6	66.6	78.1	85.3	92.2	82.2
23110028-021B	85.3	89.8	87.4	64.1	74.5	83.5	91.2	84.4
23110028-022B	71.3	72.0	69.8	62.9	63.5	70.3	75.0	70.0
23110028-023B	74.9	68.4	71.9	80.0	63.9	74.8	77.0	74.7
23110028-024B	87.5	85.0	78.8	80.2	79.2	83.3	85.8	78.8
23110028-025B	76.9	73.2	74.7	81.8	64.4	75.3	80.1	76.2
23110028-026B	77.3	72.3	71.9	88.4	59.9	77.2	81.2	79.8
MB-154167-SVOC	78.9	74.1	76.6	90.2	72.5	83.4	81.7	83.2
MB-154168-SVOC	90.5	85.4	88.8	97.4	80.8	92.3	94.8	89.7
LCS-154167-SVOC	89.8	79.8	87.8	97.2	84.2	95.4	89.0	94.6
LCS-154168-SVOC	91.0	83.2	89.6	101	79.1	95.4	92.5	86.3
23110028-013BMS	77.9	68.2	79.1	97.6	71.4	84.1	78.0	83.8
23110028-013BMSD	84.5	79.2	85.5	102	77.7	92.1	87.7	88.8
23110028-024BMS	96.7	86.0	89.6	87.8	85.3	97.9	86.2	88.8
23110028-024BMSD	110	85.8	104	91.0	93.5	105	95.4	95.0
23110028-001B	89.7	64.2	79.2	93.9	75.4	89.7	90.0	90.0
23110028-002B	80.7	80.4	76.2	75.7	80.3	85.6	91.4	86.2
23110028-003B	82.4	77.4	84.4	92.6	74.4	93.0	85.4	87.2
23110028-004B	81.4	84.4	82.2	75.9	74.9	80.9	87.6	86.6
23110028-005B	81.8	86.0	76.2	80.9	77.4	83.0	82.4	86.2

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

\* Surrogate recovery outside acceptance limits

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8270C **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
23110028-006B	81.2	74.2	84.8	96.3	73.1	88.9	92.8	91.0
23110028-007B	84.2	79.0	83.2	81.6	79.6	83.2	88.6	85.6
23110028-008B	82.0	85.2	83.6	76.0	76.0	88.4	90.2	94.4
23110028-009B	86.1	81.3	88.2	88.9	77.0	94.1	86.0	87.2
23110028-010B	78.1	89.8	77.2	74.0	78.1	86.0	86.4	83.8
23110028-011B	43.1	54.4	45.6	38.9	43.0	39.4	48.0	46.6
23110028-012B	90.3	95.2	89.2	96.4	87.2	96.2	91.6	102
23110028-013B	91.3	87.9	90.7	91.7	81.1	97.0	96.2	96.9

Acronym	Surrogate	QC Limits
CLPH2D4	= 2-Chlorophenol-d4	20-130
DCBZ12D4	= 1,2-Dichlorobenzene-d4	20-130
NO2BZD5	= Nitrobenzene-d5	23-120
PH246BR	= 2,4,6-Tribromophenol	19-122
PH2F	= 2-Fluorophenol	25-121
PHD5	= Phenol-d5	24-113
PHEN2F	= 2-Fluorobiphenyl	30-115
PHEND14	= 4-Terphenyl-d14	18-137

\* Surrogate recovery outside acceptance limits

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-154167-SVOC			0.03	0	0	1	33.333	11/2/2023	11/2/2023
LCS-154167-SVOC			0.03	0	0	1	33.333	11/2/2023	11/2/2023
23110028-001B	Soil		0.03039	0	0	10	329.056	11/2/2023	11/2/2023
23110028-002B	Soil		0.03024	0	0	10	330.688	11/2/2023	11/2/2023
23110028-003B	Soil		0.03037	0	0	1	32.927	11/2/2023	11/2/2023
23110028-004B	Soil		0.03004	0	0	10	332.889	11/2/2023	11/2/2023
23110028-005B	Soil		0.03018	0	0	10	331.345	11/2/2023	11/2/2023
23110028-006B	Soil		0.03008	0	0	1	33.245	11/2/2023	11/2/2023
23110028-007B	Soil		0.03023	0	0	10	330.797	11/2/2023	11/2/2023
23110028-008B	Soil		0.0307	0	0	10	325.733	11/2/2023	11/2/2023
23110028-009B	Soil		0.03044	0	0	1	32.852	11/2/2023	11/2/2023
23110028-010B	Soil		0.03044	0	0	10	328.515	11/2/2023	11/2/2023
23110028-011B	Soil		0.03067	0	0	10	326.052	11/2/2023	11/2/2023
23110028-012B	Soil		0.0302	0	0	10	331.126	11/2/2023	11/2/2023
23110028-013B	Soil		0.03	0	0	1	33.333	11/2/2023	11/2/2023
23110028-014B	Soil		0.0301	0	0	10	332.226	11/2/2023	11/2/2023
23110028-015B	Soil		0.03013	0	0	1	33.190	11/2/2023	11/2/2023
23110028-016B	Soil		0.0302	0	0	1	33.113	11/2/2023	11/2/2023
23110028-017B	Soil		0.03067	0	0	10	326.052	11/2/2023	11/2/2023
23110028-018B	Soil		0.0307	0	0	1	32.573	11/2/2023	11/2/2023
23110028-019B	Soil		0.03057	0	0	1	32.712	11/2/2023	11/2/2023
23110028-020B	Soil		0.03043	0	0	10	328.623	11/2/2023	11/2/2023
23110028-013BMS	Soil		0.03001	0	0	1	33.322	11/2/2023	11/2/2023
23110028-013BMSD	Soil		0.03001	0	0	1	33.322	11/2/2023	11/2/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>MB-154167-SVOC</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW8270C</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>SVOC_7_231103B</b>	<b>5981412</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Aniline	ND	0.33									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzidine	ND	0.33									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Benzoic acid	ND	0.83									
Benzyl alcohol	ND	0.17									
Bis(2-chloroethoxy)methane	ND	0.17									
Bis(2-chloroethyl)ether	ND	0.17									
Bis(2-ethylhexyl)phthalate	ND	0.83									
4-Bromophenyl phenyl ether	ND	0.17									
Butyl benzyl phthalate	ND	0.83									
Carbazole	ND	0.17									
4-Chloroaniline	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154167-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981412			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33									
2-Chloronaphthalene	ND	0.17									
2-Chlorophenol	ND	0.17									
4-Chlorophenyl phenyl ether	ND	0.17									
2, 2'-oxybis(1-Chloropropane)	ND	0.17									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Dibenzofuran	ND	0.17									
1,2-Dichlorobenzene	ND	0.17									
1,3-Dichlorobenzene	ND	0.17									
1,4-Dichlorobenzene	ND	0.17									
3,3'-Dichlorobenzidine	ND	0.17									
2,4-Dichlorophenol	ND	0.17									
Diethyl phthalate	ND	0.83									
Dimethyl phthalate	ND	0.83									
2,4-Dimethylphenol	ND	0.17									
Di-n-butyl phthalate	ND	0.83									
4,6-Dinitro-2-methylphenol	ND	0.33									
2,4-Dinitrophenol	ND	0.83									
2,4-Dinitrotoluene	ND	0.033									
2,6-Dinitrotoluene	ND	0.033									
Di-n-octyl phthalate	ND	0.83									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Hexachlorobenzene	ND	0.17									
Hexachlorobutadiene	ND	0.17									
Hexachlorocyclopentadiene	ND	0.17									
Hexachloroethane	ND	0.17									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Isophorone	ND	0.17									
2-Methylnaphthalene	ND	0.17									
2-Methylphenol	ND	0.17									
4-Methylphenol	ND	0.17									
Naphthalene	ND	0.033									
2-Nitroaniline	ND	0.17									
3-Nitroaniline	ND	0.17									
4-Nitroaniline	ND	0.17									
Nitrobenzene	ND	0.033									
2-Nitrophenol	ND	0.17									
4-Nitrophenol	ND	0.33									
N-Nitrosodimethylamine	ND	0.17									
N-Nitrosodi-n-propylamine	ND	0.033									
N-Nitrosodiphenylamine	ND	0.17									
Pentachlorophenol	ND	0.067									
Phenanthrene	ND	0.033									
Phenol	ND	0.17									
Pyrene	ND	0.033									
Pyridine	ND	0.67									
1,2,4-Trichlorobenzene	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154167-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981412			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	ND	0.17									
2,4,6-Trichlorophenol	ND	0.17									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154167-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981427			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.399	0.033	1.667	0	83.9	24	139	0	0		
Acenaphthylene	1.506	0.033	1.667	0	90.3	42	127	0	0		
Aniline	1.373	0.33	1.667	0	82.3	10	160	0	0		
Anthracene	1.578	0.033	1.667	0	94.6	49	151	0	0		
Benz(a)anthracene	1.544	0.033	1.667	0	92.6	55	139	0	0		
Benzo(a)pyrene	1.649	0.033	1.667	0	98.9	49	155	0	0		
Benzo(b)fluoranthene	1.601	0.033	1.667	0	96.1	38	174	0	0		
Benzo(g,h,i)perylene	1.453	0.033	1.667	0	87.2	72	158	0	0		
Benzo(k)fluoranthene	1.566	0.033	1.667	0	93.9	44	172	0	0		
Benzoic acid	2.762	0.83	3.333	0	82.9	16	156	0	0		
Benzyl alcohol	1.423	0.17	1.667	0	85.4	48	140	0	0		
Bis(2-chloroethoxy)methane	1.534	0.17	1.667	0	92	45	137	0	0		
Bis(2-chloroethyl)ether	1.468	0.17	1.667	0	88	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.581	0.83	1.667	0	94.8	55	174	0	0		
4-Bromophenyl phenyl ether	1.572	0.17	1.667	0	94.3	52	116	0	0		
Butyl benzyl phthalate	1.729	0.83	1.667	0	104	53	155	0	0		
Carbazole	1.649	0.17	1.667	0	98.9	53	139	0	0		
4-Chloroaniline	1.761	0.17	1.667	0	106	30	137	0	0		
4-Chloro-3-methylphenol	3.055	0.33	3.333	0	91.7	28	121	0	0		
2-Chloronaphthalene	1.633	0.17	1.667	0	98	52	111	0	0		
2-Chlorophenol	2.662	0.17	3.333	0	79.9	21	102	0	0		
4-Chlorophenyl phenyl ether	1.512	0.17	1.667	0	90.7	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	1.158	0.17	1.667	0	69.5	13	148	0	0		
Chrysene	1.038	0.033	1.667	0	62.2	60	156	0	0		
Dibenz(a,h)anthracene	1.082	0.033	1.667	0	64.9	66	167	0	0		S
Dibenzofuran	1.444	0.17	1.667	0	86.6	57	124	0	0		
1,2-Dichlorobenzene	1.344	0.17	1.667	0	80.6	40	116	0	0		
1,3-Dichlorobenzene	1.233	0.17	1.667	0	74	40	113	0	0		
1,4-Dichlorobenzene	1.34	0.17	1.667	0	80.4	27	95	0	0		
3,3'-Dichlorobenzidine	2.158	0.17	1.667	0	129	10	164	0	0		
2,4-Dichlorophenol	2.774	0.17	3.333	0	83.2	54	118	0	0		
Diethyl phthalate	1.507	0.83	1.667	0	90.4	34	143	0	0		
Dimethyl phthalate	1.438	0.83	1.667	0	86.3	53	117	0	0		
2,4-Dimethylphenol	2.493	0.17	3.333	0	74.8	41	126	0	0		
Di-n-butyl phthalate	1.742	0.83	1.667	0	105	46	161	0	0		
4,6-Dinitro-2-methylphenol	3.07	0.33	3.333	0	92.1	10	162	0	0		
2,4-Dinitrophenol	3.333	0.83	3.333	0	100	10	138	0	0		
2,4-Dinitrotoluene	1.547	0.033	1.667	0	92.8	32	127	0	0		
2,6-Dinitrotoluene	1.564	0.033	1.667	0	93.8	51	119	0	0		
Di-n-octyl phthalate	1.618	0.83	1.667	0	97.1	60	168	0	0		
Fluoranthene	1.706	0.033	1.667	0	102	26	171	0	0		
Fluorene	1.489	0.033	1.667	0	89.3	49	127	0	0		
Hexachlorobenzene	1.441	0.17	1.667	0	86.4	34	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
LCS-154167-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B				5981427
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorobutadiene	1.327	0.17	1.667	0	79.6	45	108	0	0		
Hexachlorocyclopentadiene	1.326	0.17	1.667	0	79.6	10	117	0	0		
Hexachloroethane	1.328	0.17	1.667	0	79.6	34	128	0	0		
Indeno(1,2,3-cd)pyrene	1.413	0.033	1.667	0	84.7	59	178	0	0		
Isophorone	1.26	0.17	1.667	0	75.6	40	149	0	0		
2-Methylnaphthalene	1.505	0.17	1.667	0	90.3	56	116	0	0		
2-Methylphenol	2.678	0.17	3.333	0	80.3	43	135	0	0		
4-Methylphenol	2.899	0.17	3.333	0	87	50	154	0	0		
Naphthalene	1.423	0.033	1.667	0	85.3	44	124	0	0		
2-Nitroaniline	1.536	0.17	1.667	0	92.1	56	128	0	0		
3-Nitroaniline	1.716	0.17	1.667	0	103	42	126	0	0		
4-Nitroaniline	1.656	0.17	1.667	0	99.4	46	147	0	0		
Nitrobenzene	1.312	0.033	1.667	0	78.7	39	144	0	0		
2-Nitrophenol	2.798	0.17	3.333	0	83.9	46	123	0	0		
4-Nitrophenol	3.228	0.33	3.333	0	96.8	10	156	0	0		
N-Nitrosodimethylamine	1.404	0.17	1.667	0	84.2	15	164	0	0		
N-Nitrosodi-n-propylamine	1.407	0.033	1.667	0	84.4	16	122	0	0		
N-Nitrosodiphenylamine	1.273	0.17	1.667	0	76.4	48	104	0	0		
Pentachlorophenol	3.672	0.067	3.333	0	110	10	204	0	0		
Phenanthrene	1.609	0.033	1.667	0	96.5	47	145	0	0		
Phenol	2.713	0.17	3.333	0	81.4	20	103	0	0		
Pyrene	1.668	0.033	1.667	0	100	10	184	0	0		
Pyridine	1.693	0.67	1.667	0	102	10	166	0	0		
1,2,4-Trichlorobenzene	1.326	0.17	1.667	0	79.5	55	106	0	0		
2,4,5-Trichlorophenol	3.038	0.17	3.333	0	91.1	56	128	0	0		
2,4,6-Trichlorophenol	2.917	0.17	3.333	0	87.5	52	123	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-013BMS	SB-16 (4-6) / 1101	MS	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B				5981433
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.493	0.040	2.03	0	73.6	24	139	0	0		
Acenaphthylene	1.479	0.040	2.03	0	72.9	42	127	0	0		
Aniline	1.267	0.41	2.03	0	62.4	10	160	0	0		
Anthracene	1.602	0.040	2.03	0	78.9	49	151	0	0		
Benz(a)anthracene	1.719	0.040	2.03	0	84.7	55	139	0	0		
Benzo(a)pyrene	1.811	0.040	2.03	0	89.2	49	155	0	0		
Benzo(b)fluoranthene	1.724	0.040	2.03	0	84.9	38	174	0	0		
Benzo(g,h,i)perylene	1.734	0.040	2.03	0	85.4	72	158	0	0		
Benzo(k)fluoranthene	1.687	0.040	2.03	0	83.1	44	172	0	0		
Benzoic acid	2.602	1.0	4.058	0	64.1	16	156	0	0		
Benzyl alcohol	1.481	0.21	2.03	0	73	48	140	0	0		
Bis(2-chloroethoxy)methane	1.488	0.21	2.03	0	73.3	45	137	0	0		
Bis(2-chloroethyl)ether	1.435	0.21	2.03	0	70.7	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.798	1.0	2.03	0	88.6	55	174	0	0		
4-Bromophenyl phenyl ether	1.619	0.21	2.03	0	79.8	52	116	0	0		
Butyl benzyl phthalate	1.852	1.0	2.03	0	91.3	53	155	0	0		
Carbazole	1.743	0.21	2.03	0	85.9	53	139	0	0		
4-Chloroaniline	1.693	0.21	2.03	0	83.4	30	137	0	0		
4-Chloro-3-methylphenol	3.029	0.40	4.058	0	74.6	28	121	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-013BMS	SB-16 (4-6) / 1101	MS	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B				5981433
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chloronaphthalene	1.561	0.21	2.03	0	76.9	52	111	0	0		
2-Chlorophenol	2.645	0.21	4.058	0	65.2	21	102	0	0		
4-Chlorophenyl phenyl ether	1.503	0.21	2.03	0	74.1	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	1.098	0.21	2.03	0	54.1	13	148	0	0		
Chrysene	1.138	0.040	2.03	0	56	60	156	0	0		S
Dibenz(a,h)anthracene	1.187	0.040	2.03	0	58.5	66	167	0	0		S
Dibenzofuran	1.445	0.21	2.03	0	71.2	57	124	0	0		
1,2-Dichlorobenzene	1.227	0.21	2.03	0	60.5	40	116	0	0		
1,3-Dichlorobenzene	1.163	0.21	2.03	0	57.3	40	113	0	0		
1,4-Dichlorobenzene	1.25	0.21	2.03	0	61.6	27	95	0	0		
3,3'-Dichlorobenzidine	2.216	0.21	2.03	0	109	10	164	0	0		
2,4-Dichlorophenol	2.94	0.21	4.058	0	72.4	54	118	0	0		
Diethyl phthalate	1.676	1.0	2.03	0	82.6	34	143	0	0		
Dimethyl phthalate	1.485	1.0	2.03	0	73.2	53	117	0	0		
2,4-Dimethylphenol	2.578	0.21	4.058	0	63.5	41	126	0	0		
Di-n-butyl phthalate	1.937	1.0	2.03	0	95.4	46	161	0	0		
4,6-Dinitro-2-methylphenol	3.529	0.40	4.058	0	86.9	10	162	0	0		
2,4-Dinitrophenol	3.563	1.0	4.058	0	87.8	10	138	0	0		
2,4-Dinitrotoluene	1.711	0.040	2.03	0	84.3	32	127	0	0		
2,6-Dinitrotoluene	1.495	0.040	2.03	0	73.6	51	119	0	0		
Di-n-octyl phthalate	1.839	1.0	2.03	0	90.6	60	168	0	0		
Fluoranthene	1.764	0.040	2.03	0	86.9	26	171	0	0		
Fluorene	1.514	0.040	2.03	0	74.6	49	127	0	0		
Hexachlorobenzene	1.641	0.21	2.03	0	80.8	34	128	0	0		
Hexachlorobutadiene	1.145	0.21	2.03	0	56.4	45	108	0	0		
Hexachlorocyclopentadiene	1.279	0.21	2.03	0	63	10	117	0	0		
Hexachloroethane	1.201	0.21	2.03	0	59.2	34	128	0	0		
Indeno(1,2,3-cd)pyrene	1.604	0.040	2.03	0	79	59	178	0	0		
Isophorone	1.293	0.21	2.03	0	63.7	40	149	0	0		
2-Methylnaphthalene	1.421	0.21	2.03	0	70	56	116	0	0		
2-Methylphenol	2.665	0.21	4.058	0	65.7	43	135	0	0		
4-Methylphenol	3.021	0.21	4.058	0	74.4	50	154	0	0		
Naphthalene	1.299	0.040	2.03	0	64	44	124	0	0		
2-Nitroaniline	1.543	0.21	2.03	0	76	56	128	0	0		
3-Nitroaniline	1.748	0.21	2.03	0	86.1	42	126	0	0		
4-Nitroaniline	1.852	0.21	2.03	0	91.2	46	147	0	0		
Nitrobenzene	1.354	0.040	2.03	0	66.7	39	144	0	0		
2-Nitrophenol	2.941	0.21	4.058	0	72.5	46	123	0	0		
4-Nitrophenol	3.867	0.40	4.058	0	95.3	10	156	0	0		
N-Nitrosodimethylamine	1.301	0.21	2.03	0	64.1	15	164	0	0		
N-Nitrosodi-n-propylamine	1.433	0.040	2.03	0	70.6	16	122	0	0		
N-Nitrosodiphenylamine	1.378	0.21	2.03	0	67.9	48	104	0	0		
Pentachlorophenol	4.117	0.082	4.058	0	101	10	204	0	0		
Phenanthrene	1.656	0.040	2.03	0	81.6	47	145	0	0		
Phenol	2.73	0.21	4.058	0	67.3	20	103	0	0		
Pyrene	1.705	0.040	2.03	0	84	10	184	0	0		
Pyridine	1.622	0.82	2.03	0	79.9	10	166	0	0		
1,2,4-Trichlorobenzene	1.396	0.21	2.03	0	68.8	55	106	0	0		
2,4,5-Trichlorophenol	2.902	0.21	4.058	0	71.5	56	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-013BMS	SB-16 (4-6) / 1101	MS	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981433			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,6-Trichlorophenol	2.917	0.21	4.058	0	71.9	52	123	0	0		
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Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-013BMSD	SB-16 (4-6) / 1101	MSD	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981435			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene	1.667	0.040	2.03	0	82.1	24	139	1.493	11.0	57	
Acenaphthylene	1.737	0.040	2.03	0	85.6	42	127	1.479	16.0	34	
Aniline	1.367	0.41	2.03	0	67.3	10	160	1.267	7.55	44	
Anthracene	1.761	0.040	2.03	0	86.7	49	151	1.602	9.44	43	
Benz(a)anthracene	1.783	0.040	2.03	0	87.8	55	139	1.719	3.62	34	
Benzo(a)pyrene	1.897	0.040	2.03	0	93.5	49	155	1.811	4.68	41	
Benzo(b)fluoranthene	1.894	0.040	2.03	0	93.3	38	174	1.724	9.40	38	
Benzo(g,h,i)perylene	1.829	0.040	2.03	0	90.1	72	158	1.734	5.35	35	
Benzo(k)fluoranthene	1.747	0.040	2.03	0	86.1	44	172	1.687	3.47	42	
Benzoic acid	2.99	1.0	4.058	0	73.7	16	156	2.602	13.9	45	
Benzyl alcohol	1.524	0.21	2.03	0	75.1	48	140	1.481	2.81	43	
Bis(2-chloroethoxy)methane	1.676	0.21	2.03	0	82.6	45	137	1.488	11.9	40	
Bis(2-chloroethyl)ether	1.569	0.21	2.03	0	77.3	21	167	1.435	8.92	39	
Bis(2-ethylhexyl)phthalate	1.921	1.0	2.03	0	94.6	55	174	1.798	6.59	31	
4-Bromophenyl phenyl ether	1.905	0.21	2.03	0	93.8	52	116	1.619	16.2	38	
Butyl benzyl phthalate	2.059	1.0	2.03	0	101	53	155	1.852	10.5	42	
Carbazole	1.851	0.21	2.03	0	91.2	53	139	1.743	6.01	36	
4-Chloroaniline	1.975	0.21	2.03	0	97.3	30	137	1.693	15.4	32	
4-Chloro-3-methylphenol	3.627	0.40	4.058	0	89.4	28	121	3.029	18.0	88	
2-Chloronaphthalene	1.792	0.21	2.03	0	88.3	52	111	1.561	13.7	34	
2-Chlorophenol	2.921	0.21	4.058	0	72	21	102	2.645	9.92	49	
4-Chlorophenyl phenyl ether	1.734	0.21	2.03	0	85.4	53	127	1.503	14.2	34	
2, 2'-oxybis(1-Chloropropane)	1.323	0.21	2.03	0	65.2	13	148	1.098	18.6	42	
Chrysene	1.249	0.040	2.03	0	61.5	60	156	1.138	9.35	33	
Dibenz(a,h)anthracene	1.294	0.040	2.03	0	63.7	66	167	1.187	8.64	39	S
Dibenzofuran	1.678	0.21	2.03	0	82.7	57	124	1.445	14.9	32	
1,2-Dichlorobenzene	1.465	0.21	2.03	0	72.2	40	116	1.227	17.6	49	
1,3-Dichlorobenzene	1.367	0.21	2.03	0	67.4	40	113	1.163	16.1	47	
1,4-Dichlorobenzene	1.388	0.21	2.03	0	68.4	27	95	1.25	10.4	43	
3,3'-Dichlorobenzidine	2.37	0.21	2.03	0	117	10	164	2.216	6.71	53	
2,4-Dichlorophenol	3.234	0.21	4.058	0	79.7	54	118	2.94	9.53	39	
Diethyl phthalate	1.867	1.0	2.03	0	92	34	143	1.676	10.8	38	
Dimethyl phthalate	1.721	1.0	2.03	0	84.8	53	117	1.485	14.7	38	
2,4-Dimethylphenol	3.029	0.21	4.058	0	74.6	41	126	2.578	16.1	53	
Di-n-butyl phthalate	2.052	1.0	2.03	0	101	46	161	1.937	5.78	35	
4,6-Dinitro-2-methylphenol	3.807	0.40	4.058	0	93.8	10	162	3.529	7.58	75	
2,4-Dinitrophenol	4.098	1.0	4.058	0	101	10	138	3.563	14.0	22	
2,4-Dinitrotoluene	1.837	0.040	2.03	0	90.5	32	127	1.711	7.14	37	
2,6-Dinitrotoluene	1.764	0.040	2.03	0	86.9	51	119	1.495	16.5	44	
Di-n-octyl phthalate	1.928	1.0	2.03	0	95	60	168	1.839	4.74	41	
Fluoranthene	1.881	0.040	2.03	0	92.7	26	171	1.764	6.39	30	
Fluorene	1.782	0.040	2.03	0	87.8	49	127	1.514	16.3	28	
Hexachlorobenzene	1.834	0.21	2.03	0	90.3	34	128	1.641	11.1	41	
Hexachlorobutadiene	1.41	0.21	2.03	0	69.5	45	108	1.145	20.7	37	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154167**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-013BMSD	SB-16 (4-6) / 1101	MSD	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981435			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorocyclopentadiene	1.517	0.21	2.03	0	74.7	10	117	1.279	17.0	83	
Hexachloroethane	1.445	0.21	2.03	0	71.2	34	128	1.201	18.4	41	
Indeno(1,2,3-cd)pyrene	1.714	0.040	2.03	0	84.4	59	178	1.604	6.66	34	
Isophorone	1.379	0.21	2.03	0	67.9	40	149	1.293	6.44	46	
2-Methylnaphthalene	1.664	0.21	2.03	0	82	56	116	1.421	15.8	50	
2-Methylphenol	2.921	0.21	4.058	0	72	43	135	2.665	9.17	43	
4-Methylphenol	3.318	0.21	4.058	0	81.8	50	154	3.021	9.39	42	
Naphthalene	1.559	0.040	2.03	0	76.8	44	124	1.299	18.2	49	
2-Nitroaniline	1.719	0.21	2.03	0	84.7	56	128	1.543	10.8	34	
3-Nitroaniline	1.963	0.21	2.03	0	96.7	42	126	1.748	11.6	36	
4-Nitroaniline	1.944	0.21	2.03	0	95.8	46	147	1.852	4.85	88	
Nitrobenzene	1.537	0.040	2.03	0	75.7	39	144	1.354	12.7	35	
2-Nitrophenol	3.122	0.21	4.058	0	76.9	46	123	2.941	5.96	47	
4-Nitrophenol	3.934	0.40	4.058	0	96.9	10	156	3.867	1.72	56	
N-Nitrosodimethylamine	1.405	0.21	2.03	0	69.2	15	164	1.301	7.65	55	
N-Nitrosodi-n-propylamine	1.51	0.040	2.03	0	74.4	16	122	1.433	5.24	47	
N-Nitrosodiphenylamine	1.559	0.21	2.03	0	76.8	48	104	1.378	12.4	28	
Pentachlorophenol	4.442	0.082	4.058	0	109	10	204	4.117	7.61	47	
Phenanthrene	1.859	0.040	2.03	0	91.6	47	145	1.656	11.5	25	
Phenol	3.006	0.21	4.058	0	74.1	20	103	2.73	9.61	66	
Pyrene	1.858	0.040	2.03	0	91.5	10	184	1.705	8.57	51	
Pyridine	1.839	0.82	2.03	0	90.6	10	166	1.622	12.5	41	
1,2,4-Trichlorobenzene	1.476	0.21	2.03	0	72.7	55	106	1.396	5.54	23	
2,4,5-Trichlorophenol	3.289	0.21	4.058	0	81	56	128	2.902	12.5	40	
2,4,6-Trichlorophenol	3.338	0.21	4.058	0	82.3	52	123	2.917	13.5	40	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-154168-SVOC			0.03	0	0	1	33.333	11/2/2023	11/2/2023
LCS-154168-SVOC			0.03	0	0	1	33.333	11/2/2023	11/2/2023
23100965-008B	Soil		0.030137	0	0	1	33.182	11/2/2023	11/2/2023
23100988-001B	Soil		0.030042	0	0	1	33.287	11/2/2023	11/2/2023
23110028-021B	Soil		0.03011	0	0	10	332.116	11/2/2023	11/2/2023
23110028-022B	Soil		0.030184	0	0	10	331.301	11/2/2023	11/2/2023
23110028-023B	Soil		0.030109	0	0	1	33.213	11/2/2023	11/2/2023
23110028-024B	Soil		0.030078	0	0	10	332.469	11/2/2023	11/2/2023
23110028-024BMS	Soil		0.030077	0	0	10	332.480	11/2/2023	11/2/2023
23110028-024BMSD	Soil		0.03079	0	0	10	324.781	11/2/2023	11/2/2023
23110028-025B	Soil		0.03069	0	0	1	32.584	11/2/2023	11/2/2023
23110028-026B	Soil		0.030297	0	0	1	33.007	11/2/2023	11/2/2023
23100578-002B	Soil		0.0302	0	0	1	33.113	11/3/2023	11/3/2023
23100578-010B	Soil		0.03009	0	0	1	33.234	11/3/2023	11/3/2023
23100626-002B	Soil		0.030485	0	0	1	32.803	11/3/2023	11/3/2023
23100626-008B	Soil		0.030351	0	0	1	32.948	11/3/2023	11/3/2023
23110018-001A	Soil		0.030105	0	0	10	332.171	11/3/2023	11/3/2023
23110018-002A	Soil		0.030262	0	0	1	33.045	11/3/2023	11/3/2023
23110018-004A	Soil		0.030102	0	0	1	33.220	11/3/2023	11/3/2023
23110018-005A	Soil		0.030637	0	0	1	32.640	11/3/2023	11/3/2023
23110018-007A	Soil		0.030227	0	0	1	33.083	11/3/2023	11/3/2023
23110018-008A	Soil		0.030782	0	0	10	324.865	11/3/2023	11/3/2023
23110018-010A	Soil		0.030195	0	0	1	33.118	11/3/2023	11/3/2023
23110018-011A	Soil		0.030273	0	0	10	330.327	11/3/2023	11/3/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>MB-154168-SVOC</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW8270C</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>SVOC_7_231103B</b>	<b>5981414</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.033									
Acenaphthylene	ND	0.033									
Aniline	ND	0.33									
Anthracene	ND	0.033									
Benz(a)anthracene	ND	0.033									
Benzidine	ND	0.33									
Benzo(a)pyrene	ND	0.033									
Benzo(b)fluoranthene	ND	0.033									
Benzo(g,h,i)perylene	ND	0.033									
Benzo(k)fluoranthene	ND	0.033									
Benzoic acid	ND	0.83									
Benzyl alcohol	ND	0.17									
Bis(2-chloroethoxy)methane	ND	0.17									
Bis(2-chloroethyl)ether	ND	0.17									
Bis(2-ethylhexyl)phthalate	ND	0.83									
4-Bromophenyl phenyl ether	ND	0.17									
Butyl benzyl phthalate	ND	0.83									
Carbazole	ND	0.17									
4-Chloroaniline	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154168-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981414			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chloro-3-methylphenol	ND	0.33									
2-Chloronaphthalene	ND	0.17									
2-Chlorophenol	ND	0.17									
4-Chlorophenyl phenyl ether	ND	0.17									
2, 2'-oxybis(1-Chloropropane)	ND	0.17									
Chrysene	ND	0.033									
Dibenz(a,h)anthracene	ND	0.033									
Dibenzofuran	ND	0.17									
1,2-Dichlorobenzene	ND	0.17									
1,3-Dichlorobenzene	ND	0.17									
1,4-Dichlorobenzene	ND	0.17									
3,3'-Dichlorobenzidine	ND	0.17									
2,4-Dichlorophenol	ND	0.17									
Diethyl phthalate	ND	0.83									
Dimethyl phthalate	ND	0.83									
2,4-Dimethylphenol	ND	0.17									
Di-n-butyl phthalate	ND	0.83									
4,6-Dinitro-2-methylphenol	ND	0.33									
2,4-Dinitrophenol	ND	0.83									
2,4-Dinitrotoluene	ND	0.033									
2,6-Dinitrotoluene	ND	0.033									
Di-n-octyl phthalate	ND	0.83									
Fluoranthene	ND	0.033									
Fluorene	ND	0.033									
Hexachlorobenzene	ND	0.17									
Hexachlorobutadiene	ND	0.17									
Hexachlorocyclopentadiene	ND	0.17									
Hexachloroethane	ND	0.17									
Indeno(1,2,3-cd)pyrene	ND	0.033									
Isophorone	ND	0.17									
2-Methylnaphthalene	ND	0.17									
2-Methylphenol	ND	0.17									
4-Methylphenol	ND	0.17									
Naphthalene	ND	0.033									
2-Nitroaniline	ND	0.17									
3-Nitroaniline	ND	0.17									
4-Nitroaniline	ND	0.17									
Nitrobenzene	ND	0.033									
2-Nitrophenol	ND	0.17									
4-Nitrophenol	ND	0.33									
N-Nitrosodimethylamine	ND	0.17									
N-Nitrosodi-n-propylamine	ND	0.033									
N-Nitrosodiphenylamine	ND	0.033									
Pentachlorophenol	ND	0.033									
Phenanthrene	ND	0.033									
Phenol	ND	0.17									
Pyrene	ND	0.033									
Pyridine	ND	0.67									
1,2,4-Trichlorobenzene	ND	0.17									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154168-SVOC	ZZZZZ	MBLK	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981414			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	ND	0.17									
2,4,6-Trichlorophenol	ND	0.17									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154168-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981429			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.441	0.033	1.667	0	86.5	24	139	0	0		
Acenaphthylene	1.558	0.033	1.667	0	93.4	42	127	0	0		
Aniline	1.316	0.33	1.667	0	79	10	160	0	0		
Anthracene	1.431	0.033	1.667	0	85.8	49	151	0	0		
Benz(a)anthracene	1.482	0.033	1.667	0	88.9	55	139	0	0		
Benzo(a)pyrene	1.519	0.033	1.667	0	91.1	49	155	0	0		
Benzo(b)fluoranthene	1.54	0.033	1.667	0	92.4	38	174	0	0		
Benzo(g,h,i)perylene	1.384	0.033	1.667	0	83	72	158	0	0		
Benzo(k)fluoranthene	1.5	0.033	1.667	0	90	44	172	0	0		
Benzoic acid	2.67	0.83	3.333	0	80.1	16	156	0	0		
Benzyl alcohol	1.375	0.17	1.667	0	82.5	48	140	0	0		
Bis(2-chloroethoxy)methane	1.449	0.17	1.667	0	86.9	45	137	0	0		
Bis(2-chloroethyl)ether	1.401	0.17	1.667	0	84	21	167	0	0		
Bis(2-ethylhexyl)phthalate	1.51	0.83	1.667	0	90.6	55	174	0	0		
4-Bromophenyl phenyl ether	1.537	0.17	1.667	0	92.2	52	116	0	0		
Butyl benzyl phthalate	1.495	0.83	1.667	0	89.7	53	155	0	0		
Carbazole	1.489	0.17	1.667	0	89.3	53	139	0	0		
4-Chloroaniline	1.808	0.17	1.667	0	108	30	137	0	0		
4-Chloro-3-methylphenol	3.139	0.33	3.333	0	94.2	28	121	0	0		
2-Chloronaphthalene	1.598	0.17	1.667	0	95.9	52	111	0	0		
2-Chlorophenol	2.665	0.17	3.333	0	80	21	102	0	0		
4-Chlorophenyl phenyl ether	1.544	0.17	1.667	0	92.6	53	127	0	0		
2, 2'-oxybis(1-Chloropropane)	1.122	0.17	1.667	0	67.3	13	148	0	0		
Chrysene	1.004	0.033	1.667	0	60.2	60	156	0	0		
Dibenz(a,h)anthracene	1.007	0.033	1.667	0	60.4	66	167	0	0		S
Dibenzofuran	1.499	0.17	1.667	0	89.9	57	124	0	0		
1,2-Dichlorobenzene	1.361	0.17	1.667	0	81.6	40	116	0	0		
1,3-Dichlorobenzene	1.268	0.17	1.667	0	76	40	113	0	0		
1,4-Dichlorobenzene	1.293	0.17	1.667	0	77.6	27	95	0	0		
3,3'-Dichlorobenzidine	1.914	0.17	1.667	0	115	10	164	0	0		
2,4-Dichlorophenol	2.887	0.17	3.333	0	86.6	54	118	0	0		
Diethyl phthalate	1.576	0.83	1.667	0	94.6	34	143	0	0		
Dimethyl phthalate	1.471	0.83	1.667	0	88.2	53	117	0	0		
2,4-Dimethylphenol	2.703	0.17	3.333	0	81.1	41	126	0	0		
Di-n-butyl phthalate	1.6	0.83	1.667	0	96	46	161	0	0		
4,6-Dinitro-2-methylphenol	3.243	0.33	3.333	0	97.3	10	162	0	0		
2,4-Dinitrophenol	3.251	0.83	3.333	0	97.5	10	138	0	0		
2,4-Dinitrotoluene	1.557	0.033	1.667	0	93.4	32	127	0	0		
2,6-Dinitrotoluene	1.612	0.033	1.667	0	96.7	51	119	0	0		
Di-n-octyl phthalate	1.542	0.83	1.667	0	92.5	60	168	0	0		
Fluoranthene	1.473	0.033	1.667	0	88.4	26	171	0	0		
Fluorene	1.514	0.033	1.667	0	90.8	49	127	0	0		
Hexachlorobenzene	1.475	0.17	1.667	0	88.5	34	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154168-SVOC	ZZZZZ	LCS	mg/Kg	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981429			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorobutadiene	1.305	0.17	1.667	0	78.3	45	108	0	0		
Hexachlorocyclopentadiene	1.314	0.17	1.667	0	78.8	10	117	0	0		
Hexachloroethane	1.295	0.17	1.667	0	77.7	34	128	0	0		
Indeno(1,2,3-cd)pyrene	1.363	0.033	1.667	0	81.7	59	178	0	0		
Isophorone	1.199	0.17	1.667	0	71.9	40	149	0	0		
2-Methylnaphthalene	1.548	0.17	1.667	0	92.9	56	116	0	0		
2-Methylphenol	2.606	0.17	3.333	0	78.2	43	135	0	0		
4-Methylphenol	2.893	0.17	3.333	0	86.8	50	154	0	0		
Naphthalene	1.436	0.033	1.667	0	86.1	44	124	0	0		
2-Nitroaniline	1.554	0.17	1.667	0	93.2	56	128	0	0		
3-Nitroaniline	1.605	0.17	1.667	0	96.3	42	126	0	0		
4-Nitroaniline	1.64	0.17	1.667	0	98.4	46	147	0	0		
Nitrobenzene	1.396	0.033	1.667	0	83.8	39	144	0	0		
2-Nitrophenol	2.874	0.17	3.333	0	86.2	46	123	0	0		
4-Nitrophenol	3.137	0.33	3.333	0	94.1	10	156	0	0		
N-Nitrosodimethylamine	1.415	0.17	1.667	0	84.9	15	164	0	0		
N-Nitrosodi-n-propylamine	1.403	0.033	1.667	0	84.1	16	122	0	0		
N-Nitrosodiphenylamine	1.329	0.033	1.667	0	79.7	48	104	0	0		
Pentachlorophenol	3.79	0.033	3.333	0	114	10	204	0	0		
Phenanthrene	1.423	0.033	1.667	0	85.4	47	145	0	0		
Phenol	2.666	0.17	3.333	0	80	20	103	0	0		
Pyrene	1.471	0.033	1.667	0	88.3	10	184	0	0		
Pyridine	1.667	0.67	1.667	0	100	10	166	0	0		
1,2,4-Trichlorobenzene	1.385	0.17	1.667	0	83.1	55	106	0	0		
2,4,5-Trichlorophenol	2.78	0.17	3.333	0	83.4	56	128	0	0		
2,4,6-Trichlorophenol	3.109	0.17	3.333	0	93.3	52	123	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981437			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1.467	0.34	1.726	0	85	24	139	0	0		
Acenaphthylene	1.515	0.34	1.726	0	87.8	42	127	0	0		
Aniline	1.084	3.4	1.726	0	62.8	10	160	0	0		J
Anthracene	1.532	0.34	1.726	0	88.8	49	151	0	0		
Benz(a)anthracene	2.005	0.34	1.726	0	116	55	139	0	0		
Benzo(a)pyrene	2.347	0.34	1.726	0	136	49	155	0	0		
Benzo(b)fluoranthene	2.181	0.34	1.726	0	126	38	174	0	0		
Benzo(g,h,i)perylene	2.171	0.34	1.726	0	126	72	158	0	0		
Benzo(k)fluoranthene	1.87	0.34	1.726	0	108	44	172	0	0		
Benzoic acid	1.988	8.6	3.45	0	57.6	16	156	0	0		J
Benzyl alcohol	1.353	1.8	1.726	0	78.4	48	140	0	0		J
Bis(2-chloroethoxy)methane	1.467	1.8	1.726	0	85	45	137	0	0		J
Bis(2-chloroethyl)ether	1.477	1.8	1.726	0	85.6	21	167	0	0		J
Bis(2-ethylhexyl)phthalate	1.863	8.6	1.726	0	108	55	174	0	0		J
4-Bromophenyl phenyl ether	1.498	1.8	1.726	0	86.8	52	116	0	0		J
Butyl benzyl phthalate	1.794	8.6	1.726	0	104	53	155	0	0		J
Carbazole	1.553	1.8	1.726	0	90	53	139	0	0		J
4-Chloroaniline	1.66	1.8	1.726	0	96.2	30	137	0	0		J
4-Chloro-3-methylphenol	2.816	3.4	3.45	0	81.6	28	121	0	0		J

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B				5981437
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chloronaphthalene	1.629	1.8	1.726	0	94.4	52	111	0	0		J
2-Chlorophenol	2.871	1.8	3.45	0	83.2	21	102	0	0		
4-Chlorophenyl phenyl ether	1.574	1.8	1.726	0	91.2	53	127	0	0		J
2, 2'-oxybis(1-Chloropropane)	1.422	1.8	1.726	0	82.4	13	148	0	0		J
Chrysene	1.567	0.34	1.726	0	90.8	60	156	0	0		
Dibenz(a,h)anthracene	1.436	0.34	1.726	0	83.2	66	167	0	0		
Dibenzofuran	1.542	1.8	1.726	0	89.4	57	124	0	0		J
1,2-Dichlorobenzene	1.394	1.8	1.726	0	80.8	40	116	0	0		J
1,3-Dichlorobenzene	1.339	1.8	1.726	0	77.6	40	113	0	0		J
1,4-Dichlorobenzene	1.463	1.8	1.726	0	84.8	27	95	0	0		J
3,3'-Dichlorobenzidine	1.612	1.8	1.726	0	93.4	10	164	0	0		J
2,4-Dichlorophenol	2.854	1.8	3.45	0	82.7	54	118	0	0		
Diethyl phthalate	1.515	8.6	1.726	0	87.8	34	143	0	0		J
Dimethyl phthalate	1.384	8.6	1.726	0	80.2	53	117	0	0		J
2,4-Dimethylphenol	2.73	1.8	3.45	0	79.1	41	126	0	0		
Di-n-butyl phthalate	1.736	8.6	1.726	0	101	46	161	0	0		J
4,6-Dinitro-2-methylphenol	1.546	3.4	3.45	0	44.8	10	162	0	0		J
2,4-Dinitrophenol	0.8213	8.6	3.45	0	23.8	10	138	0	0		J
2,4-Dinitrotoluene	1.308	0.34	1.726	0	75.8	32	127	0	0		
2,6-Dinitrotoluene	1.304	0.34	1.726	0	75.6	51	119	0	0		
Di-n-octyl phthalate	1.853	8.6	1.726	0	107	60	168	0	0		J
Fluoranthene	2.184	0.34	1.726	0	127	26	171	0	0		
Fluorene	1.429	0.34	1.726	0	82.8	49	127	0	0		
Hexachlorobenzene	1.449	1.8	1.726	0	84	34	128	0	0		J
Hexachlorobutadiene	1.591	1.8	1.726	0	92.2	45	108	0	0		J
Hexachlorocyclopentadiene	0.3727	1.8	1.726	0	21.6	10	117	0	0		J
Hexachloroethane	1.436	1.8	1.726	0	83.2	34	128	0	0		J
Indeno(1,2,3-cd)pyrene	1.901	0.34	1.726	0	110	59	178	0	0		
Isophorone	1.17	1.8	1.726	0	67.8	40	149	0	0		J
2-Methylnaphthalene	1.532	1.8	1.726	0	88.8	56	116	0	0		J
2-Methylphenol	2.768	1.8	3.45	0	80.2	43	135	0	0		
4-Methylphenol	2.874	1.8	3.45	0	83.3	50	154	0	0		
Naphthalene	1.622	0.34	1.726	0	94	44	124	0	0		
2-Nitroaniline	1.301	1.8	1.726	0	75.4	56	128	0	0		J
3-Nitroaniline	1.346	1.8	1.726	0	78	42	126	0	0		J
4-Nitroaniline	1.425	1.8	1.726	0	82.6	46	147	0	0		J
Nitrobenzene	1.37	0.34	1.726	0	79.4	39	144	0	0		
2-Nitrophenol	2.757	1.8	3.45	0	79.9	46	123	0	0		
4-Nitrophenol	2.843	3.4	3.45	0	82.4	10	156	0	0		J
N-Nitrosodimethylamine	1.304	1.8	1.726	0	75.6	15	164	0	0		J
N-Nitrosodi-n-propylamine	1.366	0.34	1.726	0	79.2	16	122	0	0		
N-Nitrosodiphenylamine	1.184	0.34	1.726	0	68.6	48	104	0	0		
Pentachlorophenol	2.598	0.34	3.45	0	75.3	10	204	0	0		
Phenanthrene	1.705	0.34	1.726	0	98.8	47	145	0	0		
Phenol	2.861	1.8	3.45	0	82.9	20	103	0	0		
Pyrene	2.267	0.34	1.726	0	131	10	184	0	0		
Pyridine	1.729	6.9	1.726	0	100	10	166	0	0		J
1,2,4-Trichlorobenzene	1.501	1.8	1.726	0	87	55	106	0	0		J
2,4,5-Trichlorophenol	2.505	1.8	3.45	0	72.6	56	128	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981437			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,6-Trichlorophenol	2.981	1.8	3.45	0	86.4	52	123	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B	5981438			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthene	1.584	0.33	1.686	0	94	24	139	1.467	7.72	57	
Acenaphthylene	1.611	0.33	1.686	0	95.6	42	127	1.515	6.17	34	
Aniline	1.018	3.4	1.686	0	60.4	10	160	1.084	0	44	J
Anthracene	1.547	0.33	1.686	0	91.8	49	151	1.532	0.980	43	
Benz(a)anthracene	1.945	0.33	1.686	0	115	55	139	2.005	3.03	34	
Benzo(a)pyrene	2.353	0.33	1.686	0	140	49	155	2.347	0.270	41	
Benzo(b)fluoranthene	2.262	0.33	1.686	0	134	38	174	2.181	3.64	38	
Benzo(g,h,i)perylene	2.37	0.33	1.686	0	141	72	158	2.171	8.77	35	
Benzo(k)fluoranthene	1.928	0.33	1.686	0	114	44	172	1.87	3.04	42	
Benzoic acid	1.945	8.4	3.371	0	57.7	16	156	1.988	0	45	J
Benzyl alcohol	1.497	1.7	1.686	0	88.8	48	140	1.353	0	43	J
Bis(2-chloroethoxy)methane	1.631	1.7	1.686	0	96.8	45	137	1.467	0	40	J
Bis(2-chloroethyl)ether	1.679	1.7	1.686	0	99.6	21	167	1.477	0	39	J
Bis(2-ethylhexyl)phthalate	1.952	8.4	1.686	0	116	55	174	1.863	0	31	J
4-Bromophenyl phenyl ether	1.665	1.7	1.686	0	98.8	52	116	1.498	0	38	J
Butyl benzyl phthalate	1.803	8.4	1.686	0	107	53	155	1.794	0	42	J
Carbazole	1.615	1.7	1.686	0	95.8	53	139	1.553	0	36	J
4-Chloroaniline	1.588	1.7	1.686	0	94.2	30	137	1.66	0	32	J
4-Chloro-3-methylphenol	3.091	3.3	3.371	0	91.7	28	121	2.816	0	88	J
2-Chloronaphthalene	1.702	1.7	1.686	0	101	52	111	1.629	4.41	34	
2-Chlorophenol	3.088	1.7	3.371	0	91.6	21	102	2.871	7.27	49	
4-Chlorophenyl phenyl ether	1.615	1.7	1.686	0	95.8	53	127	1.574	0	34	J
2, 2'-oxybis(1-Chloropropane)	1.406	1.7	1.686	0	83.4	13	148	1.422	0	42	J
Chrysene	1.608	0.33	1.686	0	95.4	60	156	1.567	2.60	33	
Dibenz(a,h)anthracene	1.385	0.33	1.686	0	82.2	66	167	1.436	3.55	39	
Dibenzofuran	1.652	1.7	1.686	0	98	57	124	1.542	0	32	J
1,2-Dichlorobenzene	1.591	1.7	1.686	0	94.4	40	116	1.394	0	49	J
1,3-Dichlorobenzene	1.443	1.7	1.686	0	85.6	40	113	1.339	0	47	J
1,4-Dichlorobenzene	1.524	1.7	1.686	0	90.4	27	95	1.463	0	43	J
3,3'-Dichlorobenzidine	1.544	1.7	1.686	0	91.6	10	164	1.612	0	53	J
2,4-Dichlorophenol	3.132	1.7	3.371	0	92.9	54	118	2.854	9.28	39	
Diethyl phthalate	1.571	8.4	1.686	0	93.2	34	143	1.515	0	38	J
Dimethyl phthalate	1.49	8.4	1.686	0	88.4	53	117	1.384	0	38	J
2,4-Dimethylphenol	2.754	1.7	3.371	0	81.7	41	126	2.73	0.891	53	
Di-n-butyl phthalate	1.79	8.4	1.686	0	106	46	161	1.736	0	35	J
4,6-Dinitro-2-methylphenol	1.126	3.3	3.371	0	33.4	10	162	1.546	0	75	J
2,4-Dinitrophenol	0.4955	8.4	3.371	0	14.7	10	138	0.8213	0	22	J
2,4-Dinitrotoluene	1.517	0.33	1.686	0	90	32	127	1.308	14.8	37	
2,6-Dinitrotoluene	1.396	0.33	1.686	0	82.8	51	119	1.304	6.75	44	
Di-n-octyl phthalate	1.979	8.4	1.686	0	117	60	168	1.853	0	41	J
Fluoranthene	2.093	0.33	1.686	0	124	26	171	2.184	4.26	30	
Fluorene	1.487	0.33	1.686	0	88.2	49	127	1.429	3.97	28	
Hexachlorobenzene	1.551	1.7	1.686	0	92	34	128	1.449	0	41	J
Hexachlorobutadiene	1.514	1.7	1.686	0	89.8	45	108	1.591	0	37	J

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GCMS Semivolatiles**  
**BatchID: 154168**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8270C	11/2/2023	11/3/2023	SVOC-7_231103B				5981438
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorocyclopentadiene	0.2191	1.7	1.686	0	13	10	117	0.3727	0	83	J
Hexachloroethane	1.605	1.7	1.686	0	95.2	34	128	1.436	0	41	J
Indeno(1,2,3-cd)pyrene	2.117	0.33	1.686	0	126	59	178	1.901	10.7	34	
Isophorone	1.311	1.7	1.686	0	77.8	40	149	1.17	0	46	J
2-Methylnaphthalene	1.689	1.7	1.686	0	100	56	116	1.532	0	50	J
2-Methylphenol	2.818	1.7	3.371	0	83.6	43	135	2.768	1.81	43	
4-Methylphenol	3.196	1.7	3.371	0	94.8	50	154	2.874	10.6	42	
Naphthalene	1.611	0.33	1.686	0	95.6	44	124	1.622	0.655	49	
2-Nitroaniline	1.443	1.7	1.686	0	85.6	56	128	1.301	0	34	J
3-Nitroaniline	1.537	1.7	1.686	0	91.2	42	126	1.346	0	36	J
4-Nitroaniline	1.5	1.7	1.686	0	89	46	147	1.425	0	88	J
Nitrobenzene	1.46	0.33	1.686	0	86.6	39	144	1.37	6.34	35	
2-Nitrophenol	2.693	1.7	3.371	0	79.9	46	123	2.757	2.34	47	
4-Nitrophenol	2.643	3.3	3.371	0	78.4	10	156	2.843	0	56	J
N-Nitrosodimethylamine	1.433	1.7	1.686	0	85	15	164	1.304	0	55	J
N-Nitrosodi-n-propylamine	1.554	0.33	1.686	0	92.2	16	122	1.366	12.8	47	
N-Nitrosodiphenylamine	1.234	0.33	1.686	0	73.2	48	104	1.184	4.15	28	
Pentachlorophenol	2.363	0.33	3.371	0	70.1	10	204	2.598	9.49	47	
Phenanthrene	1.739	0.33	1.686	0	103	47	145	1.705	2.01	25	
Phenol	2.99	1.7	3.371	0	88.7	20	103	2.861	4.42	66	
Pyrene	2.13	0.33	1.686	0	126	10	184	2.267	6.22	51	
Pyridine	1.82	6.8	1.686	0	108	10	166	1.729	0	41	J
1,2,4-Trichlorobenzene	1.547	1.7	1.686	0	91.8	55	106	1.501	0	23	J
2,4,5-Trichlorophenol	3.081	1.7	3.371	0	91.4	56	128	2.505	20.6	40	
2,4,6-Trichlorophenol	3.081	1.7	3.371	0	91.4	52	123	2.981	3.28	40	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded





**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8082A                      **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	CL10BZ2	XYL2456CLM						
MB-154142-PP	56.6	76.8						
23110028-001B	40.4	44.4						
23110028-004B	42.4	40.4						
23110028-007B	32.3	36.4						
23110028-011B	31.3	33.3						
23110028-014B	30.3	44.4						
23110028-017B	30.3	36.4						
23110028-020B	33.3	48.5						
23110028-021B	31.3	37.4						
23110028-024B	30.3	47.5						
LCS-154142-PCB	72.7	89.9						
23110028-024BMS	57.6	57.6						
23110028-024BMSD	50.5	48.5						

Acronym	Surrogate	QC Limits
CL10BZ2	= Decachlorobiphenyl	30-150
XYL2456CLM	= Tetrachloro-m-xylene	30-150

**\* Surrogate recovery outside acceptance limits**



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California  
**Test No:** SW8081B                      **Matrix:** S

## QC Summary Report Surrogate Recoveries

Sample ID	CL10BZ2	XYL2456CLM						
MB-154142-PP	90.9	65.7						
23110028-001B	73.7	39.4						
23110028-004B	61.6	33.3						
23110028-007B	52.5	31.3						
23110028-011B	33.3	28.3 *						
23110028-014B	42.4	37.4						
23110028-017B	34.3	31.3						
23110028-020B	38.4	39.4						
23110028-021B	34.3	31.3						
23110028-024B	45.5	41.4						
LCS-154142-PEST	90.9	62.6						
23110028-024BMST	69.7	42.4						
23110028-024BMSD	56.6	42.4						

Acronym	Surrogate	QC Limits
CL10BZ2	= Decachlorobiphenyl	30-150
XYL2456CLM	= Tetrachloro-m-xylene	30-150

**\* Surrogate recovery outside acceptance limits**

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154142**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-154142-PP			0.03	0	0	10	333.333	11/2/2023	11/2/2023
LCS-154142-PCB			0.03	0	0	10	333.333	11/2/2023	11/2/2023
LCS-154142-PEST			0.03	0	0	10	333.333	11/2/2023	11/2/2023
23110028-001B	Soil		0.03033	0	0	10	329.707	11/2/2023	11/2/2023
23110028-004B	Soil		0.03027	0	0	10	330.360	11/2/2023	11/2/2023
23110028-007B	Soil		0.03012	0	0	10	332.005	11/2/2023	11/2/2023
23110028-011B	Soil		0.03058	0	0	10	327.011	11/2/2023	11/2/2023
23110028-014B	Soil		0.03027	0	0	10	330.360	11/2/2023	11/2/2023
23110028-017B	Soil		0.03048	0	0	10	328.084	11/2/2023	11/2/2023
23110028-020B	Soil		0.03019	0	0	10	331.236	11/2/2023	11/2/2023
23110028-021B	Soil		0.03023	0	0	10	330.797	11/2/2023	11/2/2023
23110028-024B	Soil		0.03012	0	0	10	332.005	11/2/2023	11/2/2023
23110028-024BMS	Soil		0.03012	0	0	10	332.005	11/2/2023	11/2/2023
23110028-024BMSD	Soil		0.03013	0	0	10	331.895	11/2/2023	11/2/2023
23110028-024BMST	Soil		0.03012	0	0	10	332.005	11/2/2023	11/2/2023
23110028-024BMSDT	Soil		0.03013	0	0	10	331.895	11/2/2023	11/2/2023
23101015-001B	Soil		0.03009	0	0	10	332.336	11/3/2023	11/3/2023
23110014-005B	Soil		0.03036	0	0	10	329.381	11/3/2023	11/3/2023
23110048-001B	Soil		0.03031	0	0	10	329.924	11/3/2023	11/3/2023
23110051-001B	Soil		0.03036	0	0	10	329.381	11/3/2023	11/3/2023
23100861-001B	Soil		0.03036	0	0	10	329.381	11/3/2023	11/3/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>MB-154142-PP</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW8082A</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>GC-ECD_231102A</b>	<b>5979511</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	ND	0.080									
Aroclor 1221	ND	0.080									
Aroclor 1232	ND	0.080									
Aroclor 1242	ND	0.080									
Aroclor 1248	ND	0.080									
Aroclor 1254	ND	0.080									
Aroclor 1260	ND	0.080									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>LCS-154142-PCB</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW8082A</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>GC-ECD_231102A</b>	<b>5980251</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	0.4029	0.080	0.333	0	121	30	150	0	0		
Aroclor 1260	0.3237	0.080	0.333	0	97.2	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>23110028-024BMS</b>	<b>SB-14 (0.5) / 1101</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW8082A</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>GC-ECD_231102A</b>	<b>5980379</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	0.2628	0.083	0.3442	0	76.4	30	150	0	0		
Aroclor 1260	0.2903	0.083	0.3442	0	84.3	30	150	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154142**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8082A	11/2/2023	11/2/2023	GC-ECD_231102A	5980380			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	0.2759	0.083	0.3441	0	80.2	30	150	0.2628	4.85	25	
Aroclor 1260	0.2197	0.083	0.3441	0	63.8	30	150	0.2903	27.7	25	R

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-154142-PP	ZZZZZ	MBLK	mg/Kg	SW8081B	11/2/2023	11/2/2023	GC-ECD_231102A	5979503			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	ND	0.0016									
4,4'-DDE	ND	0.0016									
4,4'-DDT	ND	0.0016									
Aldrin	ND	0.0016									
alpha-BHC	ND	0.0016									
alpha-Chlordane	ND	0.0016									
beta-BHC	ND	0.0016									
Chlordane	ND	0.016									
delta-BHC	ND	0.0016									
Dieldrin	ND	0.0016									
Endosulfan I	ND	0.0016									
Endosulfan II	ND	0.0016									
Endosulfan sulfate	ND	0.0016									
Endrin	ND	0.0016									
Endrin aldehyde	ND	0.0016									
Endrin ketone	ND	0.0016									
gamma-BHC	ND	0.0016									
gamma-Chlordane	ND	0.0016									
Heptachlor	ND	0.0016									
Heptachlor epoxide	ND	0.0016									
Methoxychlor	ND	0.0016									
Toxaphene	ND	0.033									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154142-PEST	ZZZZZ	LCS	mg/Kg	SW8081B	11/2/2023	11/2/2023	GC-ECD_231102A	5980252			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	0.005	0.0016	0.0083	0	60.2	30	150	0	0		
4,4'-DDE	0.005	0.0016	0.0083	0	60.2	30	150	0	0		
4,4'-DDT	0.003333	0.0016	0.0083	0	40.2	30	150	0	0		
Aldrin	0.005667	0.0016	0.0083	0	68.3	30	150	0	0		
alpha-BHC	0.005667	0.0016	0.0083	0	68.3	30	150	0	0		
alpha-Chlordane	0.005	0.0016	0.0083	0	60.2	30	150	0	0		
beta-BHC	0.005333	0.0016	0.0083	0	64.3	30	150	0	0		
delta-BHC	0.005667	0.0016	0.0083	0	68.3	30	150	0	0		
Dieldrin	0.005	0.0016	0.0083	0	60.2	30	150	0	0		
Endosulfan I	0.005333	0.0016	0.0083	0	64.3	30	150	0	0		
Endosulfan II	0.004667	0.0016	0.0083	0	56.2	30	150	0	0		
Endosulfan sulfate	0.004333	0.0016	0.0083	0	52.2	30	150	0	0		
Endrin	0.005333	0.0016	0.0083	0	64.3	30	150	0	0		
Endrin aldehyde	0.004667	0.0016	0.0083	0	56.2	30	150	0	0		
Endrin ketone	0.004333	0.0016	0.0083	0	52.2	30	150	0	0		
gamma-BHC	0.005667	0.0016	0.0083	0	68.3	30	150	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154142**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-154142-PEST	ZZZZZ	LCS	mg/Kg	SW8081B	11/2/2023	11/2/2023	GC-ECD_231102A	5980252			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
gamma-Chlordane	0.005333	0.0016	0.0083	0	64.3	30	150	0	0		
Heptachlor	0.005667	0.0016	0.0083	0	68.3	30	150	0	0		
Heptachlor epoxide	0.005333	0.0016	0.0083	0	64.3	30	150	0	0		
Methoxychlor	0.002667	0.0016	0.0083	0	32.1	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMST	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW8081B	11/2/2023	11/2/2023	GC-ECD_231102A	5980381			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	0.005858	0.0017	0.00858	0	68.3	30	150	0	0		
4,4'-DDE	0.002757	0.0017	0.00858	0	32.1	30	150	0	0		
4,4'-DDT	0.00379	0.0017	0.00858	0	44.2	30	150	0	0		
Aldrin	0.006202	0.0017	0.00858	0	72.3	30	150	0	0		
alpha-BHC	0.003101	0.0017	0.00858	0	36.1	30	150	0	0		
alpha-Chlordane	0.003446	0.0017	0.00858	0	40.2	30	150	0	0		
beta-BHC	0.005169	0.0017	0.00858	0	60.2	30	150	0	0		
delta-BHC	0.003446	0.0017	0.00858	0	40.2	30	150	0	0		
Dieldrin	0.006202	0.0017	0.00858	0	72.3	30	150	0	0		
Endosulfan I	0.004135	0.0017	0.00858	0	48.2	30	150	0	0		
Endosulfan II	0.006202	0.0017	0.00858	0	72.3	30	150	0	0		
Endosulfan sulfate	0.00379	0.0017	0.00858	0	44.2	30	150	0	0		
Endrin	0.003101	0.0017	0.00858	0	36.1	30	150	0	0		
Endrin aldehyde	0.004824	0.0017	0.00858	0	56.2	30	150	0	0		
Endrin ketone	0.004824	0.0017	0.00858	0	56.2	30	150	0	0		
gamma-BHC	0.004824	0.0017	0.00858	0	56.2	30	150	0	0		
gamma-Chlordane	0.00448	0.0017	0.00858	0	52.2	30	150	0	0		
Heptachlor	0.001723	0.0017	0.00858	0	20.1	30	150	0	0		S
Heptachlor epoxide	0.005169	0.0017	0.00858	0	60.2	30	150	0	0		
Methoxychlor	0.003101	0.0017	0.00858	0	36.1	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMSDT	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8081B	11/2/2023	11/2/2023	GC-ECD_231102A	5980382			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	0.004823	0.0017	0.008577	0	56.2	30	150	0.005858	19.4	25	
4,4'-DDE	0.002756	0.0017	0.008577	0	32.1	30	150	0.002757	0.0332	25	
4,4'-DDT	0.003789	0.0017	0.008577	0	44.2	30	150	0.00379	0.0332	25	
Aldrin	0.003445	0.0017	0.008577	0	40.2	30	150	0.006202	57.2	25	R
alpha-BHC	0.0031	0.0017	0.008577	0	36.1	30	150	0.003101	0.0332	25	
alpha-Chlordane	0.002411	0.0017	0.008577	0	28.1	30	150	0.003446	35.3	25	SR
beta-BHC	0.003789	0.0017	0.008577	0	44.2	30	150	0.005169	30.8	25	R
delta-BHC	0.0031	0.0017	0.008577	0	36.1	30	150	0.003446	10.6	25	
Dieldrin	0.008612	0.0017	0.008577	0	100	30	150	0.006202	32.5	25	R
Endosulfan I	0.004134	0.0017	0.008577	0	48.2	30	150	0.004135	0.0332	25	
Endosulfan II	0.005856	0.0017	0.008577	0	68.3	30	150	0.006202	5.75	25	
Endosulfan sulfate	0.0031	0.0017	0.008577	0	36.1	30	150	0.00379	20.0	25	
Endrin	0.0031	0.0017	0.008577	0	36.1	30	150	0.003101	0.0332	25	
Endrin aldehyde	0.005167	0.0017	0.008577	0	60.2	30	150	0.004824	6.86	25	
Endrin ketone	0.005167	0.0017	0.008577	0	60.2	30	150	0.004824	6.86	25	
gamma-BHC	0.003789	0.0017	0.008577	0	44.2	30	150	0.004824	24.0	25	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**GC Semivolatiles**  
**BatchID: 154142**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMSDT	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW8081B	11/2/2023	11/2/2023	GC-ECD_231102A	5980382			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
gamma-Chlordane	0.004478	0.0017	0.008577	0	52.2	30	150	0.00448	0.0332	25	
Heptachlor	0.0006889	0.0017	0.008577	0	8.03	30	150	0.001723	0	25	JS
Heptachlor epoxide	0.005167	0.0017	0.008577	0	60.2	30	150	0.005169	0.0332	25	
Methoxychlor	0.008612	0.0017	0.008577	0	100	30	150	0.003101	94.1	25	R

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154159**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 11/2/23			1.162	0	0	50	43.029	11/2/2023	11/2/2023
ILCSS1 11/2/23			1.02	0	0	50	49.020	11/2/2023	11/2/2023
23110028-001B	Soil		1.069	0	0	50	46.773	11/2/2023	11/2/2023
23110028-002B	Soil		1.185	0	0	50	42.194	11/2/2023	11/2/2023
23110028-003B	Soil		1.146	0	0	50	43.630	11/2/2023	11/2/2023
23110028-004B	Soil		1.14	0	0	50	43.860	11/2/2023	11/2/2023
23110028-005B	Soil		1.021	0	0	50	48.972	11/2/2023	11/2/2023
23110028-006B	Soil		1.111	0	0	50	45.005	11/2/2023	11/2/2023
23110028-007B	Soil		1.027	0	0	50	48.685	11/2/2023	11/2/2023
23110028-008B	Soil		1.173	0	0	50	42.626	11/2/2023	11/2/2023
23110028-009B	Soil		1.194	0	0	50	41.876	11/2/2023	11/2/2023
23110028-010B	Soil		1.166	0	0	50	42.882	11/2/2023	11/2/2023
23110028-011B	Soil		1.052	0	0	50	47.529	11/2/2023	11/2/2023
23110028-012B	Soil		1.173	0	0	50	42.626	11/2/2023	11/2/2023
23110028-013B	Soil		1.024	0	0	50	48.828	11/2/2023	11/2/2023
23110028-014B	Soil		1.121	0	0	50	44.603	11/2/2023	11/2/2023
23110028-015B	Soil		1.022	0	0	50	48.924	11/2/2023	11/2/2023
23110028-016B	Soil		1.083	0	0	50	46.168	11/2/2023	11/2/2023
23110028-017B	Soil		1.08	0	0	50	46.296	11/2/2023	11/2/2023
23110028-018B	Soil		1.051	0	0	50	47.574	11/2/2023	11/2/2023
23110028-019B	Soil		1.144	0	0	50	43.706	11/2/2023	11/2/2023
23110028-020B	Soil		1.118	0	0	50	44.723	11/2/2023	11/2/2023
23110028-019BMS	Soil		1.117	0	0	50	44.763	11/2/2023	11/2/2023
23110028-019BMSD	Soil		1.116	0	0	50	44.803	11/2/2023	11/2/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
IMBS1 11/2/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/2/2023	11/2/2023	ICPMS-3_231102B	5979763				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony		ND	0.86									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
IMBS1 11/2/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980851				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum		0.9112	8.6									J
Arsenic		ND	0.43									
Barium		ND	0.43									
Beryllium		ND	0.22									
Cadmium		ND	0.22									
Calcium		4.154	26									J
Chromium		ND	0.43									
Cobalt		ND	0.43									
Copper		ND	1.1									
Iron		11.6	26									J
Lead		ND	0.22									
Magnesium		ND	13									
Manganese		ND	0.43									
Nickel		0.14	1.7									J

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154159**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS1 11/2/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980851			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Potassium	ND	13									
Selenium	ND	0.43									
Silver	ND	0.43									
Sodium	9.821	26									J
Thallium	ND	0.43									
Vanadium	ND	0.43									
Zinc	ND	2.2									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS1 11/2/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/2/2023	11/2/2023	ICPMS-3_231102B	5979764			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	10.77	0.98	12.25	0	87.9	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS1 11/2/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980940			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	25.65	9.8	24.51	0.5153	103	80	120	0	0		
Arsenic	24.31	0.49	24.51	0	99.2	80	120	0	0		
Barium	25.48	0.49	24.51	0	104	80	120	0	0		
Beryllium	20.97	0.25	24.51	0	85.6	80	120	0	0		
Cadmium	24.7	0.25	24.51	0	101	80	120	0	0		
Calcium	316.2	29	294.1	7.514	105	80	120	0	0		
Chromium	26.71	0.49	24.51	0	109	80	120	0	0		
Cobalt	26.45	0.49	24.51	0	108	80	120	0	0		
Copper	27.85	1.2	24.51	0	114	80	120	0	0		
Iron	332	29	294.1	6.344	111	80	120	0	0		
Lead	25.13	0.25	24.51	0	103	80	120	0	0		
Magnesium	313	15	294.1	0	106	80	120	0	0		
Manganese	26.98	0.49	24.51	0	110	80	120	0	0		
Nickel	26.17	2.0	24.51	0.1517	106	80	120	0	0		
Potassium	319.6	15	294.1	0	109	80	120	0	0		
Selenium	22.08	0.49	24.51	0	90.1	80	120	0	0		
Silver	10.88	0.49	9.804	0	111	80	120	0	0		
Sodium	325.2	29	294.1	0	111	80	120	0	0		
Thallium	24.95	0.49	24.51	0	102	80	120	0	0		
Vanadium	25.59	0.49	24.51	0	104	80	120	0	0		
Zinc	23.83	2.5	24.51	0	97.2	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-019BMS	SB-12 (5-7) / 1101	MS	mg/Kg-dry	SW6020A	11/2/2023	11/2/2023	ICPMS-3_231102B	5979767			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	3.467	2.5	15.48	0	22.4	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-019BMS	SB-12 (5-7) / 1101	MS	mg/Kg-dry	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103A	5980293			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	13360	25	30.96	13060	963	75	125	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**

**Metals**

**BatchID: 154159**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
<b>23110028-019BMS</b>	<b>SB-12 (5-7) / 1101</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW6020A</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>ICPMS-4_231103A</b>				<b>5980293</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	36.13	1.2	30.96	9.09	87.4	75	125	0	0		
Barium	96.65	1.2	30.96	58.2	124	75	125	0	0		
Cadmium	31.09	0.62	30.96	1.028	97.1	75	125	0	0		
Calcium	7768	74	371.5	21910	-3810	75	125	0	0		S
Chromium	52.73	1.2	30.96	23.22	95.3	75	125	0	0		
Cobalt	40.7	1.2	30.96	12.4	91.4	75	125	0	0		
Copper	64.27	3.1	30.96	42.76	69.5	75	125	0	0		S
Iron	20170	74	371.5	19830	91.9	75	125	0	0		
Lead	735.8	0.62	30.96	355.2	1230	75	125	0	0		S
Magnesium	6151	37	371.5	10340	-1130	75	125	0	0		S
Manganese	182.8	1.2	30.96	359.4	-570	75	125	0	0		S
Nickel	64.55	5.0	30.96	38.87	83	75	125	0	0		
Potassium	2426	37	371.5	2365	16.4	75	125	0	0		S
Selenium	25.99	1.2	30.96	1.273	79.9	75	125	0	0		
Silver	14.14	1.2	12.38	0.8242	108	75	125	0	0		
Sodium	735.1	74	371.5	395.4	91.4	75	125	0	0		
Thallium	32.46	1.2	30.96	0.4217	104	75	125	0	0		
Vanadium	52.04	1.2	30.96	26.64	82	75	125	0	0		
Zinc	144.6	6.2	30.96	139.3	16.9	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
<b>23110028-019BMS</b>	<b>SB-12 (5-7) / 1101</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW6020A</b>	<b>11/2/2023</b>	<b>11/6/2023</b>	<b>ICPMS-4_231106A</b>				<b>5981784</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	28.72	0.62	30.96	1.058	89.4	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
<b>23110028-019BMSD</b>	<b>SB-12 (5-7) / 1101</b>	<b>MSD</b>	<b>mg/Kg-dry</b>	<b>SW6020A</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>ICPMS-3_231102B</b>				<b>5979768</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	4.056	2.5	15.49	0	26.2	75	125	3.467	15.6	20	S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
<b>23110028-019BMSD</b>	<b>SB-12 (5-7) / 1101</b>	<b>MSD</b>	<b>mg/Kg-dry</b>	<b>SW6020A</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>ICPMS-4_231103A</b>				<b>5980294</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	15110	25	30.98	13060	6620	75	125	13360	12.3	20	S
Arsenic	40.81	1.2	30.98	9.09	102	75	125	36.13	12.2	20	
Barium	112.9	1.2	30.98	58.2	176	75	125	96.65	15.5	20	S
Cadmium	36.01	0.62	30.98	1.028	113	75	125	31.09	14.7	20	
Calcium	8635	74	371.8	21910	-3570	75	125	7768	10.6	20	S
Chromium	59.73	1.2	30.98	23.22	118	75	125	52.73	12.5	20	
Cobalt	45.41	1.2	30.98	12.4	107	75	125	40.7	10.9	20	
Copper	70.37	3.1	30.98	42.76	89.1	75	125	64.27	9.07	20	
Iron	23030	37	371.8	19830	862	75	125	20170	13.3	20	S
Lead	638.9	0.62	30.98	355.2	916	75	125	735.8	14.1	20	S
Magnesium	7088	37	371.8	10340	-875	75	125	6151	14.2	20	S
Manganese	181.8	1.2	30.98	359.4	-573	75	125	182.8	0.577	20	S
Nickel	72.81	5.0	30.98	38.87	110	75	125	64.55	12.0	20	
Potassium	2524	37	371.8	2365	42.7	75	125	2426	3.95	20	S
Selenium	28.78	1.2	30.98	1.273	88.8	75	125	25.99	10.2	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154159**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-019BMSD	SB-12 (5-7) / 1101	MSD	mg/Kg-dry	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103A	5980294			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Silver	15.72	1.2	12.39	0.8242	120	75	125	14.14	10.6	20	
Sodium	798.7	74	371.8	395.4	108	75	125	735.1	8.30	20	
Thallium	34.95	1.2	30.98	0.4217	111	75	125	32.46	7.37	20	
Vanadium	54.01	1.2	30.98	26.64	88.3	75	125	52.04	3.72	20	
Zinc	157.1	6.2	30.98	139.3	57.2	75	125	144.6	8.29	20	S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-019BMSD	SB-12 (5-7) / 1101	MSD	mg/Kg-dry	SW6020A	11/2/2023	11/6/2023	ICPMS-4_231106A	5981785			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	29.51	0.62	30.98	1.058	91.8	75	125	28.72	2.72	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154162**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 11/2/23			1.033	0	0	50	48.403	11/2/2023	11/2/2023
ILCSS2 11/2/23			1.048	0	0	50	47.710	11/2/2023	11/2/2023
23110028-021B	Soil		1.067	0	0	50	46.860	11/2/2023	11/2/2023
23110028-022B	Soil		1.181	0	0	50	42.337	11/2/2023	11/2/2023
23110028-023B	Soil		1.123	0	0	50	44.524	11/2/2023	11/2/2023
23110028-024B	Soil		1.105	0	0	50	45.249	11/2/2023	11/2/2023
23110028-025B	Soil		1.085	0	0	50	46.083	11/2/2023	11/2/2023
23110028-026B	Soil		1.075	0	0	50	46.512	11/2/2023	11/2/2023
23100866-016A	Soil		1.041	0	0	50	48.031	11/2/2023	11/2/2023
23100866-017A	Soil		1.123	0	0	50	44.524	11/2/2023	11/2/2023
23100866-018A	Soil		1.046	0	0	50	47.801	11/2/2023	11/2/2023
23100866-019A	Soil		1.173	0	0	50	42.626	11/2/2023	11/2/2023
23100866-020A	Soil		1.079	0	0	50	46.339	11/2/2023	11/2/2023
23100871-006B	Soil		1.194	0	0	50	41.876	11/2/2023	11/2/2023
23100871-007B	Soil		1.153	0	0	50	43.365	11/2/2023	11/2/2023
23100871-008B	Soil		1.054	0	0	50	47.438	11/2/2023	11/2/2023
23100871-009B	Soil		1.186	0	0	50	42.159	11/2/2023	11/2/2023
23100881-001B	Soil		1.058	0	0	50	47.259	11/2/2023	11/2/2023
23100881-002B	Soil		1.166	0	0	50	42.882	11/2/2023	11/2/2023
23100882-001B	Soil		1.149	0	0	50	43.516	11/2/2023	11/2/2023
23100883-001B	Soil		1.173	0	0	50	42.626	11/2/2023	11/2/2023
23100883-004B	Soil		1.106	0	0	50	45.208	11/2/2023	11/2/2023
23110028-024BMS	Soil		1.068	0	0	50	46.816	11/2/2023	11/2/2023
23110028-024BMSD	Soil		1.069	0	0	50	46.773	11/2/2023	11/2/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS2 11/2/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980856			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	0.8139	9.7									J
Antimony	ND	0.97									
Arsenic	ND	0.48									
Barium	ND	0.48									
Beryllium	ND	0.24									
Cadmium	ND	0.24									
Calcium	5.09	29									J
Chromium	ND	0.48									
Cobalt	ND	0.48									
Copper	ND	1.2									
Iron	21.78	29									J
Lead	ND	0.24									
Magnesium	ND	15									
Manganese	0.3371	0.48									J
Nickel	1.518	1.9									J
Potassium	ND	15									
Selenium	ND	0.48									
Silver	ND	0.48									
Sodium	ND	29									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154162**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
IMBS2 11/2/23	ZZZZZ	MBLK	mg/Kg	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980856			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Thallium	ND	0.48									
Vanadium	ND	0.48									
Zinc	ND	2.4									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS2 11/2/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980857			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	23.75	9.5	23.85	0.8139	96.2	80	120	0	0		
Arsenic	21.67	0.48	23.85	0	90.8	80	120	0	0		
Barium	23.17	0.48	23.85	0	97.1	80	120	0	0		
Cadmium	21.81	0.24	23.85	0	91.4	80	120	0	0		
Calcium	289.4	29	286.3	5.09	99.3	80	120	0	0		
Chromium	23.93	0.48	23.85	0	100	80	120	0	0		
Cobalt	23.59	0.48	23.85	0	98.9	80	120	0	0		
Copper	24.8	1.2	23.85	0	104	80	120	0	0		
Iron	295	29	286.3	21.78	95.4	80	120	0	0		
Lead	23.73	0.24	23.85	0	99.5	80	120	0	0		
Magnesium	285.8	14	286.3	0	99.8	80	120	0	0		
Manganese	24.38	0.48	23.85	0.3371	101	80	120	0	0		
Nickel	23.5	1.9	23.85	1.518	92.1	80	120	0	0		
Potassium	296	14	286.3	0	103	80	120	0	0		
Selenium	19.34	0.48	23.85	0	81.1	80	120	0	0		
Silver	9.893	0.48	9.542	0	104	80	120	0	0		
Sodium	298.2	29	286.3	0	104	80	120	0	0		
Thallium	23.64	0.48	23.85	0	99.1	80	120	0	0		
Vanadium	23.01	0.48	23.85	0	96.5	80	120	0	0		
Zinc	21.47	2.4	23.85	0	90	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
ILCSS2 11/2/23	ZZZZZ	LCS	mg/Kg	SW6020A	11/2/2023	11/8/2023	ICPMS-3_231108A	5984221			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	10.67	0.95	11.93	0	89.5	80	120	0	0		
Beryllium	22.51	0.24	23.85	0	94.4	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW6020A	11/2/2023	11/2/2023	ICPMS-3_231102B	5979816			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	7.717	1.9	12.15	0	63.5	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B	5980983			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	1919	19	24.3	3295	-5670	75	125	0	0		S
Arsenic	26.52	0.97	24.3	3.05	96.6	75	125	0	0		
Barium	56.96	0.97	24.3	43.32	56.1	75	125	0	0		S
Beryllium	21.58	0.49	24.3	0.1801	88.1	75	125	0	0		
Cadmium	24.54	0.49	24.3	0.3453	99.6	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**

**Metals**  
**BatchID: 154162**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B				5980983
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Calcium	155600	58	291.5	167700	-4130	75	125	0	0		S
Chromium	48.44	0.97	24.3	31.12	71.3	75	125	0	0		S
Cobalt	29.8	0.97	24.3	2.569	112	75	125	0	0		
Copper	38.77	2.4	24.3	22.6	66.6	75	125	0	0		S
Iron	7691	29	291.5	29850	-7600	75	125	0	0		S
Lead	40.91	0.49	24.3	12.62	116	75	125	0	0		
Magnesium	84040	29	291.5	87960	-1340	75	125	0	0		S
Manganese	514.7	0.97	24.3	806.5	-1200	75	125	0	0		S
Nickel	35.36	0.97	24.3	11.19	99.4	75	125	0	0		
Potassium	772.6	29	291.5	571.7	68.9	75	125	0	0		S
Selenium	22.44	0.97	24.3	0	92.4	75	125	0	0		
Silver	10.54	0.97	9.718	0.05848	108	75	125	0	0		
Sodium	532.4	58	291.5	228.2	104	75	125	0	0		
Thallium	26.88	0.97	24.3	0	111	75	125	0	0		
Vanadium	52.11	0.97	24.3	36.91	62.6	75	125	0	0		S
Zinc	60.87	4.9	24.3	39.87	86.4	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW6020A	11/2/2023	11/2/2023	ICPMS-3_231102B				5979817
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	7.05	1.9	12.14	0	58.1	75	125	7.717	9.03	20	S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:				SeqNo:
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW6020A	11/2/2023	11/3/2023	ICPMS-4_231103B				5980984
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	2535	19	24.27	3295	-3130	75	125	1919	27.7	20	SR
Arsenic	26.45	0.97	24.27	3.05	96.4	75	125	26.52	0.265	20	
Barium	70.9	0.97	24.27	43.32	114	75	125	56.96	21.8	20	R
Beryllium	23.03	0.49	24.27	0.1801	94.2	75	125	21.58	6.52	20	
Cadmium	24.96	0.49	24.27	0.3453	101	75	125	24.54	1.71	20	
Calcium	152800	58	291.3	167700	-5110	75	125	155600	1.85	20	S
Chromium	52.13	0.97	24.27	31.12	86.6	75	125	48.44	7.34	20	
Cobalt	30.13	0.97	24.27	2.569	114	75	125	29.8	1.09	20	
Copper	39.26	2.4	24.27	22.6	68.6	75	125	38.77	1.26	20	S
Iron	7910	29	291.3	29850	-7530	75	125	7691	2.81	20	S
Lead	41.82	0.49	24.27	12.62	120	75	125	40.91	2.22	20	
Magnesium	77640	29	291.3	87960	-3540	75	125	84040	7.93	20	S
Manganese	567.6	0.97	24.27	806.5	-984	75	125	514.7	9.77	20	S
Nickel	33.76	0.97	24.27	11.19	93	75	125	35.36	4.62	20	
Potassium	808.1	29	291.3	571.7	81.1	75	125	772.6	4.49	20	
Selenium	22.38	0.97	24.27	0	92.2	75	125	22.44	0.280	20	
Silver	10.75	0.97	9.709	0.05848	110	75	125	10.54	1.97	20	
Sodium	548.4	58	291.3	228.2	110	75	125	532.4	2.97	20	
Thallium	27.6	0.97	24.27	0	114	75	125	26.88	2.65	20	
Vanadium	52.8	0.97	24.27	36.91	65.5	75	125	52.11	1.32	20	S
Zinc	71.2	4.9	24.27	39.87	129	75	125	60.87	15.6	20	S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154180**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 11/3/23			0.357	0	0	30	84.034	11/3/2023	11/3/2023
HGLCSS1 11/3/23			0.352	0	0	30	85.227	11/3/2023	11/3/2023
23110028-001B	Soil		0.347	0	0	30	86.455	11/3/2023	11/3/2023
23110028-002B	Soil		0.34	0	0	30	88.235	11/3/2023	11/3/2023
23110028-003B	Soil		0.336	0	0	30	89.286	11/3/2023	11/3/2023
23110028-004B	Soil		0.35	0	0	30	85.714	11/3/2023	11/3/2023
23110028-005B	Soil		0.345	0	0	30	86.957	11/3/2023	11/3/2023
23110028-006B	Soil		0.345	0	0	30	86.957	11/3/2023	11/3/2023
23110028-007B	Soil		0.342	0	0	30	87.719	11/3/2023	11/3/2023
23110028-008B	Soil		0.344	0	0	30	87.209	11/3/2023	11/3/2023
23110028-009B	Soil		0.359	0	0	30	83.565	11/3/2023	11/3/2023
23110028-010B	Soil		0.347	0	0	30	86.455	11/3/2023	11/3/2023
23110028-011B	Soil		0.372	0	0	30	80.645	11/3/2023	11/3/2023
23110028-012B	Soil		0.362	0	0	30	82.873	11/3/2023	11/3/2023
23110028-013B	Soil		0.35	0	0	30	85.714	11/3/2023	11/3/2023
23110028-014B	Soil		0.341	0	0	30	87.977	11/3/2023	11/3/2023
23110028-015B	Soil		0.333	0	0	30	90.090	11/3/2023	11/3/2023
23110028-016B	Soil		0.368	0	0	30	81.522	11/3/2023	11/3/2023
23110028-017B	Soil		0.343	0	0	30	87.464	11/3/2023	11/3/2023
23110028-018B	Soil		0.349	0	0	30	85.960	11/3/2023	11/3/2023
23110028-019B	Soil		0.355	0	0	30	84.507	11/3/2023	11/3/2023
23110028-020B	Soil		0.356	0	0	30	84.270	11/3/2023	11/3/2023
23110028-013BMS	Soil		0.351	0	0	30	85.470	11/3/2023	11/3/2023
23110028-013BMSD	Soil		0.35	0	0	30	85.714	11/3/2023	11/3/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBS1 11/3/23	ZZZZZ	MBLK	mg/Kg	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980491				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.017									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSS1 11/3/23	ZZZZZ	LCS	mg/Kg	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980492				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.1875	0.017	0.2131	0	88	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-013BMS	SB-16 (4-6) / 1101	MS	mg/Kg-dry	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980517				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2384	0.021	0.2603	0.01545	85.7	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-013BMSD	SB-16 (4-6) / 1101	MSD	mg/Kg-dry	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980518				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2422	0.021	0.261	0.01545	86.9	75	125	0.2384	1.59	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154182**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 11/3/23			0.356	0	0	30	84.270	11/3/2023	11/3/2023
HGLCSS2 11/3/23			0.353	0	0	30	84.986	11/3/2023	11/3/2023
23110028-021B	Soil		0.341	0	0	30	87.977	11/3/2023	11/3/2023
23110028-022B	Soil		0.366	0	0	30	81.967	11/3/2023	11/3/2023
23110028-023B	Soil		0.341	0	0	30	87.977	11/3/2023	11/3/2023
23110028-024B	Soil		0.352	0	0	30	85.227	11/3/2023	11/3/2023
23110028-025B	Soil		0.354	0	0	30	84.746	11/3/2023	11/3/2023
23110028-026B	Soil		0.351	0	0	30	85.470	11/3/2023	11/3/2023
23110028-024BMS	Soil		0.351	0	0	30	85.470	11/3/2023	11/3/2023
23110028-024BMSD	Soil		0.353	0	0	30	84.986	11/3/2023	11/3/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBS2 11/3/23	ZZZZZ	MBLK	mg/Kg	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980526				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.017									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSS2 11/3/23	ZZZZZ	LCS	mg/Kg	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980527				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.1844	0.017	0.2125	0	86.8	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980534				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.1978	0.018	0.2218	0	89.2	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW7471B	11/3/2023	11/3/2023	CETAC 2_231103B	5980535				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.1941	0.018	0.2205	0	88	75	125	0.1978	1.92	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154350**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
FHGMBSA 11/09/23			1	0	0	30	30.000	11/10/2023	11/10/2023
FHGLCSSA 11/09/23			1	0	0	30	30.000	11/10/2023	11/10/2023
FHGLCSDSA 11/09/2			1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-008BA	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BA	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BAMS	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BAMSD	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
FHGMBSB 11/09/23			1	0	0	30	30.000	11/10/2023	11/10/2023
FHGLCSSB 11/09/23			1	0	0	30	30.000	11/10/2023	11/10/2023
FHGLCSDSB 11/09/2			1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-008BB	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BB	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BBMS	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BBMSD	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
FHGMBS2 11/10/23			1	0	0	30	30.000	11/10/2023	11/10/2023
FHGLCSS2 11/10/23			1	0	0	30	30.000	11/10/2023	11/10/2023
FHGLCSDS2 11/10/23			1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-008B	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010B	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BMS	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023
23110028-010BMSD	Soil		1	0	0	30	30.000	11/10/2023	11/10/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
FHGMBSA 11/09/23	ZZZZZ	MBLK	mg/Kg	W7470A/7471B	11/10/2023	11/10/2023	CETAC 2_231110B	5988164				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury, Extractable 0.00093 0.0060 J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
FHGLCSSA 11/09/23	ZZZZZ	LCS	mg/Kg	W7470A/7471B	11/10/2023	11/10/2023	CETAC 2_231110B	5988165				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury, Extractable 0.072 0.0060 0.075 0 96 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
FHGLCSDSA 11/09/23	ZZZZZ	LCSD	mg/Kg	W7470A/7471B	11/10/2023	11/10/2023	CETAC 2_231110B	5988166				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury, Extractable 0.0714 0.0060 0.075 0 95.2 80 120 0.072 0.837 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-010BAMS	DUP-001 / 110123	MS	mg/Kg-dry	W7470A/7471B	11/10/2023	11/13/2023	CETAC 2_231113A	5988844				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury, Extractable 19.25 1.4 0.08503 2.925 19200 75 125 0 0 S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-010BAMSD	DUP-001 / 110123	MSD	mg/Kg-dry	W7470A/7471B	11/10/2023	11/13/2023	CETAC 2_231113A	5988845				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury, Extractable 10.27 1.4 0.08503 2.925 8640 75 125 0 200 25 SR

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154350**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>FHGMBSB 11/10/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>W7470A/7471B</b>	<b>11/10/2023</b>	<b>11/10/2023</b>	<b>CETAC 2_231110B</b>	<b>5988181</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury, Semi-mobile		ND	0.0060									
<b>FHGMBS2 11/10/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW7471B</b>	<b>11/10/2023</b>	<b>11/10/2023</b>	<b>CETAC 2_231110B</b>	<b>5988190</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		ND	0.020									
<b>FHGLCSS2 11/10/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW7471B</b>	<b>11/10/2023</b>	<b>11/10/2023</b>	<b>CETAC 2_231110B</b>	<b>5988191</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0663	0.020	0.075	0	88.4	80	120	0	0		
<b>FHGLCSDS2 11/10/23</b>	<b>ZZZZZ</b>	<b>LCSD</b>	<b>mg/Kg</b>	<b>SW7471B</b>	<b>11/10/2023</b>	<b>11/10/2023</b>	<b>CETAC 2_231110B</b>	<b>5988192</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0663	0.020	0.075	0	88.4	80	120	0.0663	0	20	
<b>23110028-010BMS</b>	<b>DUP-001 / 110123</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW7471B</b>	<b>11/10/2023</b>	<b>11/13/2023</b>	<b>CETAC 2_231113A</b>	<b>5988861</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		22.21	6.8	0.2834	11.47	3790	75	125	0	0		S
<b>23110028-010BMSD</b>	<b>DUP-001 / 110123</b>	<b>MSD</b>	<b>mg/Kg-dry</b>	<b>SW7471B</b>	<b>11/10/2023</b>	<b>11/13/2023</b>	<b>CETAC 2_231113A</b>	<b>5988862</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		194.6	6.8	0.2834	11.47	64600	75	125	0.2449	199	20	SR

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 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154490**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 11/17/23			0.357	0	0	30	84.034	11/17/2023	11/17/2023
HGLCSS2 11/17/23			0.351	0	0	30	85.470	11/17/2023	11/17/2023
HGMBS2 11/14/23			1	0	0	30	30.000	11/17/2023	11/17/2023
HGLCSS2 11/14/23			1	0	0	30	30.000	11/17/2023	11/17/2023
HGLCSDS2 11/14/23			1	0	0	30	30.000	11/17/2023	11/17/2023
23100876-001A	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23100876-002A	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23100876-003A	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23110260-001A	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23110260-001AMS	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23110260-001AMSD	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
HGMBC 11/08/23			1	0	0	30	30.000	11/17/2023	11/17/2023
23110028-008BC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23110028-010BC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
HGMBC 11/09/23			1	0	0	30	30.000	11/17/2023	11/17/2023
23110220-001AC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23110220-002AC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
HGMBC 11/14/23			1	0	0	30	30.000	11/17/2023	11/17/2023
23100876-001AC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23100876-002AC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23100876-003AC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023
23110260-001AC	Soil		1	0	0	30	30.000	11/17/2023	11/17/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>HGMBC 11/08/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>W7470A/7471B</b>	<b>11/17/2023</b>	<b>11/18/2023</b>	<b>CETAC 2_231118A</b>	<b>5994654</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury, Non-mobile	ND	0.0018									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>HGMBC 11/09/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>W7470A/7471B</b>	<b>11/17/2023</b>	<b>11/18/2023</b>	<b>CETAC 2_231118A</b>	<b>5994657</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury, Non-mobile	0.00042	0.0018									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>HGMBS2 11/17/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW7471B</b>	<b>11/17/2023</b>	<b>11/18/2023</b>	<b>CETAC 2_231118A</b>	<b>5994641</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	ND	0.017									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>HGLCSS2 11/17/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW7471B</b>	<b>11/17/2023</b>	<b>11/18/2023</b>	<b>CETAC 2_231118A</b>	<b>5994642</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.1906	0.017	0.2137	0	89.2	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
<b>HGLCSS2 11/14/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW7471B</b>	<b>11/17/2023</b>	<b>11/18/2023</b>	<b>CETAC 2_231118A</b>	<b>5994644</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**

**Metals**

**BatchID: 154490**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
HGLCSS2 11/14/23	ZZZZZ	LCS	mg/Kg	SW7471B	11/17/2023	11/18/2023	CETAC 2_231118A	5994644			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.0654 0.0018 0.075 0.0009 86 80 120 0 0

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
HGLCSDS2 11/14/23	ZZZZZ	LCSD	mg/Kg	SW7471B	11/17/2023	11/18/2023	CETAC 2_231118A	5994645			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.066 0.0018 0.075 0.0009 86.8 80 120 0.0654 0.913 20

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110260-001AMS	ZZZZZ	MS	mg/Kg-dry	SW7471B	11/17/2023	11/18/2023	CETAC 2_231118A	5994675			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.1873 0.0041 0.08484 0.2267 -46.4 75 125 0 0 S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
23110260-001AMSD	ZZZZZ	MSD	mg/Kg-dry	SW7471B	11/17/2023	11/18/2023	CETAC 2_231118A	5994676			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.2247 0.0041 0.08484 0.2267 -2.4 75 125 0.1873 18.1 20 S

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 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: 154129**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 110123			1	0	0	50	50.000	11/1/2023	11/1/2023
TCNLCSS1 110123			1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-005B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-005BMS	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-005BMSD	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23100995-001B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-001B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-008B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-011B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-014B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-017B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-018B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-021B	Soil		1	0	0	50	50.000	11/1/2023	11/1/2023
23101003-018BMS	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23101003-018BMSD	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-001B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-004B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-007B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-011B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-014B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-017B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-020B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-021B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-024B	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-024BMS	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023
23110028-024BMSD	Soil		1	0	0	50	50.000	11/2/2023	11/2/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>TCNMBS1 110123</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>mg/Kg</b>	<b>SW9012A</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>LACHAT-2_231101B</b>	<b>5978470</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		ND	0.50									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>TCNLCSS1 110123</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>mg/Kg</b>	<b>SW9012A</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>LACHAT-2_231101B</b>	<b>5978471</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.19	0.50	10	0	102	90	110	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>23101003-005BMS</b>	<b>ZZZZZ</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW9012A</b>	<b>11/1/2023</b>	<b>11/1/2023</b>	<b>LACHAT-2_231101B</b>	<b>5978473</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		11.11	0.54	10.9	0.4162	98.1	75	125	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>23101003-018BMS</b>	<b>ZZZZZ</b>	<b>MS</b>	<b>mg/Kg-dry</b>	<b>SW9012A</b>	<b>11/2/2023</b>	<b>11/2/2023</b>	<b>LACHAT-2_231102A</b>	<b>5979696</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.56	0.53	10.57	0	99.9	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: 154129**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-024BMS	SB-14 (0.5) / 1101	MS	mg/Kg-dry	SW9012A	11/2/2023	11/2/2023	LACHAT-2_231102A	5979699				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		9.559	0.52	10.38	0	92.1	75	125	0	0		
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-005BMSD	ZZZZZ	MSD	mg/Kg-dry	SW9012A	11/1/2023	11/1/2023	LACHAT-2_231101B	5978474				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.52	0.54	10.9	0.4162	92.7	75	125	11.11	5.43	20	
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23101003-018BMSD	ZZZZZ	MSD	mg/Kg-dry	SW9012A	11/2/2023	11/2/2023	LACHAT-2_231102A	5979697				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.65	0.53	10.57	0	101	75	125	10.56	0.854	20	
Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110028-024BMSD	SB-14 (0.5) / 1101	MSD	mg/Kg-dry	SW9012A	11/2/2023	11/2/2023	LACHAT-2_231102A	5979700				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyanide		10.78	0.52	10.38	0	104	75	125	9.559	12.0	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203212**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5979178	23090714-002ADUP	DUP	PH_S	R203212	1	11/02/2023
5979179	23090714-002A	SAMP	PH_S	R203212	1	11/02/2023
5979180	23100578-002B	SAMP	PH_S	R203212	1	11/02/2023
5979181	23100578-010B	SAMP	PH_S	R203212	1	11/02/2023
5979182	23110028-001B	SAMP	PH_S	R203212	1	11/02/2023
5979183	23110028-002B	SAMP	PH_S	R203212	1	11/02/2023
5979184	23110028-003B	SAMP	PH_S	R203212	1	11/02/2023
5979185	23110028-004B	SAMP	PH_S	R203212	1	11/02/2023
5979186	23110028-005B	SAMP	PH_S	R203212	1	11/02/2023
5979187	23110028-006B	SAMP	PH_S	R203212	1	11/02/2023
5979188	23110028-007B	SAMP	PH_S	R203212	1	11/02/2023
5979189	23110028-008B	SAMP	PH_S	R203212	1	11/02/2023
5979190	23110028-009B	SAMP	PH_S	R203212	1	11/02/2023
5979191	23110028-010B	SAMP	PH_S	R203212	1	11/02/2023
5979192	23110028-011B	SAMP	PH_S	R203212	1	11/02/2023
5979193	23110028-012B	SAMP	PH_S	R203212	1	11/02/2023
5979194	23110028-013B	SAMP	PH_S	R203212	1	11/02/2023
5979195	23110028-014B	SAMP	PH_S	R203212	1	11/02/2023
5979196	23110028-015B	SAMP	PH_S	R203212	1	11/02/2023
5979197	23110028-016B	SAMP	PH_S	R203212	1	11/02/2023
5979198	23110028-017B	SAMP	PH_S	R203212	1	11/02/2023

**QC Summary**

Sample ID: <b>23090714-002ADUP</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>DUP</b>	Units: <b>pH Units</b>	TestNo: <b>SW9045C</b>	Prep Date: <b>11/2/2023</b>	Analysis Date: <b>11/2/2023</b>	Run ID: <b>PH-4_231102A</b>	SeqNo: <b>5979178</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	7.29	0	0	0	0	0	0	7.39	1.36	20	H

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203220**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5979423	23110028-018BDUP	DUP	PH_S	R203220	1	11/02/2023
5979424	23100626-002B	SAMP	PH_S	R203220	1	11/02/2023
5979425	23100626-008B	SAMP	PH_S	R203220	1	11/02/2023
5979426	23100626-010B	SAMP	PH_S	R203220	1	11/02/2023
5979427	23100967-001B	SAMP	PH_S	R203220	1	11/02/2023
5979428	23100967-002B	SAMP	PH_S	R203220	1	11/02/2023
5979429	23100967-003B	SAMP	PH_S	R203220	1	11/02/2023
5979430	23100967-004B	SAMP	PH_S	R203220	1	11/02/2023
5979431	23100967-005B	SAMP	PH_S	R203220	1	11/02/2023
5979432	23100967-006B	SAMP	PH_S	R203220	1	11/02/2023
5979433	23100967-007B	SAMP	PH_S	R203220	1	11/02/2023
5979434	23100967-008B	SAMP	PH_S	R203220	1	11/02/2023
5979435	23110028-018B	SAMP	PH_S	R203220	1	11/02/2023
5979436	23110028-019B	SAMP	PH_S	R203220	1	11/02/2023
5979437	23110028-020B	SAMP	PH_S	R203220	1	11/02/2023
5979438	23110028-021B	SAMP	PH_S	R203220	1	11/02/2023
5979439	23110028-022B	SAMP	PH_S	R203220	1	11/02/2023
5979440	23110028-023B	SAMP	PH_S	R203220	1	11/02/2023
5979441	23110028-024B	SAMP	PH_S	R203220	1	11/02/2023
5979442	23110028-025B	SAMP	PH_S	R203220	1	11/02/2023
5979443	23110028-026B	SAMP	PH_S	R203220	1	11/02/2023

**QC Summary**

Sample ID: <b>23110028-018BDUP</b>	Customer ID: <b>SB-12 (1-3) / 1101</b>	SampType: <b>DUP</b>	Units: <b>pH Units</b>	TestNo: <b>SW9045C</b>	Prep Date: <b>11/2/2023</b>	Analysis Date: <b>11/2/2023</b>	Run ID: <b>PH-4_231102B</b>	SeqNo: <b>5979423</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	6.25	0	0	0	0	0	0	6.29	0.638	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203243**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5979974	PMMBLK1 11/2/23	MBLK	PMOIST	R203243	1	11/03/2023
5979975	PMLCSS1 11/2/23	LCS	PMOIST	R203243	1	11/03/2023
5979976	PMLCSW1 11/2/23	LCS	PMOIST	R203243	1	11/03/2023
5979977	23110028-001B	SAMP	PMOIST	R203243	1	11/03/2023
5979978	23110028-002B	SAMP	PMOIST	R203243	1	11/03/2023
5979979	23110028-003B	SAMP	PMOIST	R203243	1	11/03/2023
5979980	23110028-004B	SAMP	PMOIST	R203243	1	11/03/2023
5979981	23110028-005B	SAMP	PMOIST	R203243	1	11/03/2023
5979982	23110028-006B	SAMP	PMOIST	R203243	1	11/03/2023
5979983	23110028-007B	SAMP	PMOIST	R203243	1	11/03/2023
5979984	23110028-008B	SAMP	PMOIST	R203243	1	11/03/2023
5979985	23110028-009B	SAMP	PMOIST	R203243	1	11/03/2023
5979986	23110028-009BDUP	DUP	PMOIST	R203243	1	11/03/2023
5979987	23110028-010B	SAMP	PMOIST	R203243	1	11/03/2023
5979988	23110028-011B	SAMP	PMOIST	R203243	1	11/03/2023
5979989	23110028-012B	SAMP	PMOIST	R203243	1	11/03/2023
5979990	23110028-013B	SAMP	PMOIST	R203243	1	11/03/2023
5979991	23110028-014B	SAMP	PMOIST	R203243	1	11/03/2023
5979992	23110028-015B	SAMP	PMOIST	R203243	1	11/03/2023
5979993	23110028-016B	SAMP	PMOIST	R203243	1	11/03/2023
5979994	23110028-017B	SAMP	PMOIST	R203243	1	11/03/2023
5979995	23110028-018B	SAMP	PMOIST	R203243	1	11/03/2023
5979996	23110028-019B	SAMP	PMOIST	R203243	1	11/03/2023
5979997	23110028-020B	SAMP	PMOIST	R203243	1	11/03/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>PMMBLK1 11/2/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>wt%</b>	<b>D2974</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>BALANCE_231103B</b>	<b>5979974</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*
<b>PMLCSS1 11/2/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>wt%</b>	<b>D2974</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>BALANCE_231103B</b>	<b>5979975</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.72	0.200	5	0	94.4	80	120	0	0		*
<b>PMLCSW1 11/2/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>wt%</b>	<b>D2974</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>BALANCE_231103B</b>	<b>5979976</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.81	0.200	99.8	0	100	80	120	0	0		*
<b>23110028-009BDUP</b>	<b>SB-15 (3-5) / 1101</b>	<b>DUP</b>	<b>wt%</b>	<b>D2974</b>	<b>11/2/2023</b>	<b>11/3/2023</b>	<b>BALANCE_231103B</b>	<b>5979986</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		19.85	0.200	0	0	0	0	0	19.77	0.404	20	*

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110028  
**Project:** A2237020, AIS Chicago, 3710 S. California

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203244**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5979998	PMMBLK2 11/2/23	MBLK	PMOIST	R203244	1	11/03/2023
5979999	PMLCSS2 11/2/23	LCS	PMOIST	R203244	1	11/03/2023
5980000	PMLCSW2 11/2/23	LCS	PMOIST	R203244	1	11/03/2023
5980001	23110028-021B	SAMP	PMOIST	R203244	1	11/03/2023
5980002	23110028-022B	SAMP	PMOIST	R203244	1	11/03/2023
5980003	23110028-023B	SAMP	PMOIST	R203244	1	11/03/2023
5980004	23110028-023BDUP	DUP	PMOIST	R203244	1	11/03/2023
5980005	23110028-024B	SAMP	PMOIST	R203244	1	11/03/2023
5980006	23110028-025B	SAMP	PMOIST	R203244	1	11/03/2023
5980007	23110028-026B	SAMP	PMOIST	R203244	1	11/03/2023
5980008	23100986-001B	SAMP	PMOIST	R203244	1	11/03/2023
5980009	23100967-001B	SAMP	PMOIST	R203244	1	11/03/2023
5980010	23100967-002B	SAMP	PMOIST	R203244	1	11/03/2023
5980011	23100967-003B	SAMP	PMOIST	R203244	1	11/03/2023
5980012	23100967-004B	SAMP	PMOIST	R203244	1	11/03/2023
5980013	23100967-005B	SAMP	PMOIST	R203244	1	11/03/2023
5980014	23100967-006B	SAMP	PMOIST	R203244	1	11/03/2023
5980015	23100967-007B	SAMP	PMOIST	R203244	1	11/03/2023
5980016	23100967-008B	SAMP	PMOIST	R203244	1	11/03/2023
5980017	23100966-001B	SAMP	PMOIST	R203244	1	11/03/2023
5980018	23100966-002B	SAMP	PMOIST	R203244	1	11/03/2023
5980019	23100966-003B	SAMP	PMOIST	R203244	1	11/03/2023
5980020	23100966-004B	SAMP	PMOIST	R203244	1	11/03/2023
5980021	23100965-006B	SAMP	PMOIST	R203244	1	11/03/2023

**QC Summary**

Sample ID: <b>PMMBLK2 11/2/23</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>MBLK</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/2/2023</b>	Analysis Date: <b>11/3/2023</b>	Run ID: <b>BALANCE_231103C</b>	SeqNo: <b>5979998</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture ND 0.200 \*

Sample ID: <b>PMLCSS2 11/2/23</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>LCS</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/2/2023</b>	Analysis Date: <b>11/3/2023</b>	Run ID: <b>BALANCE_231103C</b>	SeqNo: <b>5979999</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 4.51 0.200 5 0 90.2 80 120 0 0 \*

Sample ID: <b>PMLCSW2 11/2/23</b>	Customer ID: <b>ZZZZZ</b>	SampType: <b>LCS</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/2/2023</b>	Analysis Date: <b>11/3/2023</b>	Run ID: <b>BALANCE_231103C</b>	SeqNo: <b>5980000</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 99.82 0.200 99.8 0 100 80 120 0 0 \*

Sample ID: <b>23110028-023BDUP</b>	Customer ID: <b>SB-13 (4-6) / 1101</b>	SampType: <b>DUP</b>	Units: <b>wt%</b>	TestNo: <b>D2974</b>	Prep Date: <b>11/2/2023</b>	Analysis Date: <b>11/3/2023</b>	Run ID: <b>BALANCE_231103C</b>	SeqNo: <b>5980004</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Percent Moisture 21.12 0.200 0 0 0 0 0 21.83 3.31 20 \*

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 03, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23110021 Revision 0

RE: A2237020, AIS, 3710 S. California, Chicago, IL

Dear Terracon Consultants, Inc.:

Sterling Labs received 7 samples for the referenced project on 11/1/2023 4:35:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / TNI standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "Justice Kwateng", written in a cursive style.

Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*



**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL  
**Work Order:** 23110021 Revision 0

### Work Order Sample Summary

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Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23110021-001A	GW-02 / 110123		11/1/2023 10:40:00 AM	11/1/2023
23110021-001B	GW-02 / 110123		11/1/2023 10:40:00 AM	11/1/2023
23110021-001C	GW-02 / 110123		11/1/2023 10:40:00 AM	11/1/2023
23110021-002A	GW-04 / 110123		11/1/2023 12:10:00 PM	11/1/2023
23110021-002B	GW-04 / 110123		11/1/2023 12:10:00 PM	11/1/2023
23110021-002C	GW-04 / 110123		11/1/2023 12:10:00 PM	11/1/2023
23110021-003A	GW-07 / 110123		11/1/2023 12:20:00 PM	11/1/2023
23110021-003B	GW-07 / 110123		11/1/2023 12:20:00 PM	11/1/2023
23110021-003C	GW-07 / 110123		11/1/2023 12:20:00 PM	11/1/2023
23110021-004A	GW-11 / 110123		11/1/2023 1:15:00 PM	11/1/2023
23110021-004B	GW-11 / 110123		11/1/2023 1:15:00 PM	11/1/2023
23110021-004C	GW-11 / 110123		11/1/2023 1:15:00 PM	11/1/2023
23110021-005A	GW-16 / 110123		11/1/2023 1:50:00 PM	11/1/2023
23110021-006A	DUP-001 / 110123		11/1/2023	11/1/2023
23110021-006B	DUP-001 / 110123		11/1/2023	11/1/2023
23110021-006C	DUP-001 / 110123		11/1/2023	11/1/2023
23110021-007A	TB-001 / 110123		11/1/2023	11/1/2023



Date: November 03, 2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL  
**Work Order:** 23110021 Revision 0

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## Case Narrative

The following samples had recovery for PNA surrogate Nitrobenzene-d5 outside of control limits:  
GW-04 / 110123 (23110021-002): 117% recovery (QC Limits 35-114%)  
GW-11 / 110123 (23110021-004): 160% recovery (QC Limits 35-114%)  
Recoveries of all other surrogates were within control limits.

Sample GW-07 / 110123 (23110021-003) had recovery for PNA surrogate 2-Fluorobiphenyl outside of control limits (40.8% recovery, QC Limits 43-116%). Recoveries of all other surrogates were within control limits.

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QC - Quality Control  
MB - Method Blank  
LCS(D) - Lab Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
RPD - Relative Percent Difference

VOC - Volatile Organic Compound  
SVOC - Semi-Volatile Organic Compound  
PNA/PAH - Polynuclear Aromatic Hydrocarbon  
PCB - Polychlorinated Biphenyls



Date Reported: November 03, 2023  
 Date Printed: November 03, 2023

## Analytical Results

Customer: Terracon Consultants, Inc. Customer Sample ID: GW-02 / 110123  
 Work Order: 23110021 Revision 0 Collection Date: 11/1/2023 10:40:00 AM  
 Project: A2237020, AIS, 3710 S. California, Chicago, IL Matrix: Aqueous  
 Lab ID: 23110021-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW8260B (SW5030B)</b>		Prep Date:		Analyst: ERP	
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.020		mg/L	1	11/2/2023
Benzene	ND	0.0050		mg/L	1	11/2/2023
Bromodichloromethane	ND	0.0050		mg/L	1	11/2/2023
Bromoform	ND	0.0010		mg/L	1	11/2/2023
Bromomethane	ND	0.0050		mg/L	1	11/2/2023
2-Butanone	ND	0.020		mg/L	1	11/2/2023
Carbon disulfide	ND	0.010		mg/L	1	11/2/2023
Carbon tetrachloride	ND	0.0050		mg/L	1	11/2/2023
Chlorobenzene	ND	0.0050		mg/L	1	11/2/2023
Chloroethane	ND	0.010		mg/L	1	11/2/2023
Chloroform	ND	0.0010		mg/L	1	11/2/2023
Chloromethane	ND	0.010		mg/L	1	11/2/2023
Dibromochloromethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloropropane	ND	0.0050		mg/L	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
Ethylbenzene	ND	0.0050		mg/L	1	11/2/2023
2-Hexanone	ND	0.020		mg/L	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/L	1	11/2/2023
Methylene chloride	ND	0.0050		mg/L	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050		mg/L	1	11/2/2023
Styrene	ND	0.0050		mg/L	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	11/2/2023
Tetrachloroethene	ND	0.0050		mg/L	1	11/2/2023
Toluene	ND	0.0050		mg/L	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
Trichloroethene	ND	0.0050		mg/L	1	11/2/2023
Vinyl chloride	ND	0.0020		mg/L	1	11/2/2023
Xylenes, Total	ND	0.015		mg/L	1	11/2/2023

Polynuclear Aromatic Hydrocarbons by GC/MS	SW8270C-SIM (SW3510C)		Prep Date: 11/2/2023		Analyst: DM	
<i>IEPA ELAP 100445</i>						
Naphthalene	ND	0.0010		mg/L	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 03, 2023  
**Date Printed:** November 03, 2023

## Analytical Results

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<b>Customer:</b> Terracon Consultants, Inc.	<b>Customer Sample ID:</b> GW-02 / 110123
<b>Work Order:</b> 23110021 Revision 0	<b>Collection Date:</b> 11/1/2023 10:40:00 AM
<b>Project:</b> A2237020, AIS, 3710 S. California, Chicago, IL	<b>Matrix:</b> Aqueous
<b>Lab ID:</b> 23110021-001	

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Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7470A</b>				Prep Date: 11/2/2023	Analyst: <b>JG</b>
Mercury	ND	0.00020		mg/L	1	11/2/2023

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<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** GW-04 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023 12:10:00 PM  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW8260B (SW5030B)</b>		Prep Date:		Analyst: <b>ERP</b>	
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.020		mg/L	1	11/2/2023
Benzene	ND	0.0050		mg/L	1	11/2/2023
Bromodichloromethane	ND	0.0050		mg/L	1	11/2/2023
Bromoform	ND	0.0010		mg/L	1	11/2/2023
Bromomethane	ND	0.0050		mg/L	1	11/2/2023
2-Butanone	ND	0.020		mg/L	1	11/2/2023
Carbon disulfide	ND	0.010		mg/L	1	11/2/2023
Carbon tetrachloride	ND	0.0050		mg/L	1	11/2/2023
Chlorobenzene	ND	0.0050		mg/L	1	11/2/2023
Chloroethane	ND	0.010		mg/L	1	11/2/2023
Chloroform	ND	0.0010		mg/L	1	11/2/2023
Chloromethane	ND	0.010		mg/L	1	11/2/2023
Dibromochloromethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloropropane	ND	0.0050		mg/L	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
Ethylbenzene	ND	0.0050		mg/L	1	11/2/2023
2-Hexanone	ND	0.020		mg/L	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/L	1	11/2/2023
Methylene chloride	ND	0.0050		mg/L	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050		mg/L	1	11/2/2023
Styrene	ND	0.0050		mg/L	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	11/2/2023
Tetrachloroethene	ND	0.0050		mg/L	1	11/2/2023
Toluene	ND	0.0050		mg/L	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
Trichloroethene	ND	0.0050		mg/L	1	11/2/2023
Vinyl chloride	ND	0.0020		mg/L	1	11/2/2023
Xylenes, Total	ND	0.015		mg/L	1	11/2/2023

Polynuclear Aromatic Hydrocarbons by GC/MS	SW8270C-SIM (SW3510C)		Prep Date: 11/2/2023		Analyst: <b>DM</b>	
<i>IEPA ELAP 100445</i>						
Naphthalene	ND	0.0010		mg/L	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: GW-04 / 110123

Work Order: 23110021 Revision 0

Collection Date: 11/1/2023 12:10:00 PM

Project: A2237020, AIS, 3710 S. California, Chicago, IL

Matrix: Aqueous

Lab ID: 23110021-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b>	<b>SW7470A</b>				Prep Date: 11/2/2023	Analyst: <b>JG</b>
IEPA ELAP 100445						
Mercury	ND	0.00020		mg/L	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded





Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** GW-07 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023 12:20:00 PM  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW8260B (SW5030B)</b>		Prep Date:		Analyst: <b>ERP</b>	
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.020		mg/L	1	11/2/2023
Benzene	ND	0.0050		mg/L	1	11/2/2023
Bromodichloromethane	ND	0.0050		mg/L	1	11/2/2023
Bromoform	ND	0.0010		mg/L	1	11/2/2023
Bromomethane	ND	0.0050		mg/L	1	11/2/2023
2-Butanone	ND	0.020		mg/L	1	11/2/2023
Carbon disulfide	ND	0.010		mg/L	1	11/2/2023
Carbon tetrachloride	ND	0.0050		mg/L	1	11/2/2023
Chlorobenzene	ND	0.0050		mg/L	1	11/2/2023
Chloroethane	ND	0.010		mg/L	1	11/2/2023
Chloroform	ND	0.0010		mg/L	1	11/2/2023
Chloromethane	ND	0.010		mg/L	1	11/2/2023
Dibromochloromethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloropropane	ND	0.0050		mg/L	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
Ethylbenzene	ND	0.0050		mg/L	1	11/2/2023
2-Hexanone	ND	0.020		mg/L	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/L	1	11/2/2023
Methylene chloride	ND	0.0050		mg/L	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050		mg/L	1	11/2/2023
Styrene	ND	0.0050		mg/L	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	11/2/2023
Tetrachloroethene	ND	0.0050		mg/L	1	11/2/2023
Toluene	ND	0.0050		mg/L	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
Trichloroethene	ND	0.0050		mg/L	1	11/2/2023
Vinyl chloride	ND	0.0020		mg/L	1	11/2/2023
Xylenes, Total	ND	0.015		mg/L	1	11/2/2023

Polynuclear Aromatic Hydrocarbons by GC/MS	SW8270C-SIM (SW3510C)		Prep Date: 11/2/2023		Analyst: <b>DM</b>	
<i>IEPA ELAP 100445</i>						
Naphthalene	ND	0.0010		mg/L	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Date Reported:** November 03, 2023  
**Date Printed:** November 03, 2023

## Analytical Results

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**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** GW-07 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023 12:20:00 PM  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-003

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Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b>	<b>SW7470A</b>				Prep Date: 11/2/2023	Analyst: <b>JG</b>
IEPA ELAP 100445						
Mercury	0.00033	0.00020		mg/L	1	11/2/2023

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**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: GW-11 / 110123

Work Order: 23110021 Revision 0

Collection Date: 11/1/2023 1:15:00 PM

Project: A2237020, AIS, 3710 S. California, Chicago, IL

Matrix: Aqueous

Lab ID: 23110021-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW8260B (SW5030B)</b>		Prep Date:		Analyst: <b>ERP</b>	
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.020		mg/L	1	11/2/2023
Benzene	ND	0.0050		mg/L	1	11/2/2023
Bromodichloromethane	ND	0.0050		mg/L	1	11/2/2023
Bromoform	ND	0.0010		mg/L	1	11/2/2023
Bromomethane	ND	0.0050		mg/L	1	11/2/2023
2-Butanone	ND	0.020		mg/L	1	11/2/2023
Carbon disulfide	ND	0.010		mg/L	1	11/2/2023
Carbon tetrachloride	ND	0.0050		mg/L	1	11/2/2023
Chlorobenzene	ND	0.0050		mg/L	1	11/2/2023
Chloroethane	ND	0.010		mg/L	1	11/2/2023
Chloroform	ND	0.0010		mg/L	1	11/2/2023
Chloromethane	ND	0.010		mg/L	1	11/2/2023
Dibromochloromethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloropropane	ND	0.0050		mg/L	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
Ethylbenzene	ND	0.0050		mg/L	1	11/2/2023
2-Hexanone	ND	0.020		mg/L	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/L	1	11/2/2023
Methylene chloride	ND	0.0050		mg/L	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050		mg/L	1	11/2/2023
Styrene	ND	0.0050		mg/L	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	11/2/2023
Tetrachloroethene	ND	0.0050		mg/L	1	11/2/2023
Toluene	ND	0.0050		mg/L	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
Trichloroethene	ND	0.0050		mg/L	1	11/2/2023
Vinyl chloride	ND	0.0020		mg/L	1	11/2/2023
Xylenes, Total	ND	0.015		mg/L	1	11/2/2023

**Polynuclear Aromatic Hydrocarbons by GC/MS SW8270C-SIM (SW3510C) Prep Date: 11/2/2023 Analyst: DM**

<i>IEPA ELAP 100445</i>						
Naphthalene	ND	0.0010		mg/L	1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Date Reported:** November 03, 2023  
**Date Printed:** November 03, 2023

## Analytical Results

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**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** GW-11 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023 1:15:00 PM  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-004

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Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7470A</b>				Prep Date: 11/2/2023	Analyst: <b>JG</b>
Mercury	0.0034	0.00060		mg/L	1	11/2/2023

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**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



**Date Reported:** November 03, 2023  
**Date Printed:** November 03, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** GW-16 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023 1:50:00 PM  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS	SW8260B (SW5030B)		Prep Date:	Analyst: ERP		
<i>IEPA ELAP 100445</i>						
Acetone	ND	0.020	mg/L	1	11/2/2023	
Benzene	ND	0.0050	mg/L	1	11/2/2023	
Bromodichloromethane	ND	0.0050	mg/L	1	11/2/2023	
Bromoform	ND	0.0010	mg/L	1	11/2/2023	
Bromomethane	ND	0.0050	mg/L	1	11/2/2023	
2-Butanone	ND	0.020	mg/L	1	11/2/2023	
Carbon disulfide	ND	0.010	mg/L	1	11/2/2023	
Carbon tetrachloride	ND	0.0050	mg/L	1	11/2/2023	
Chlorobenzene	ND	0.0050	mg/L	1	11/2/2023	
Chloroethane	ND	0.010	mg/L	1	11/2/2023	
Chloroform	ND	0.0010	mg/L	1	11/2/2023	
Chloromethane	ND	0.010	mg/L	1	11/2/2023	
Dibromochloromethane	ND	0.0050	mg/L	1	11/2/2023	
1,1-Dichloroethane	ND	0.0050	mg/L	1	11/2/2023	
1,2-Dichloroethane	ND	0.0050	mg/L	1	11/2/2023	
1,1-Dichloroethene	ND	0.0050	mg/L	1	11/2/2023	
cis-1,2-Dichloroethene	ND	0.0050	mg/L	1	11/2/2023	
trans-1,2-Dichloroethene	ND	0.0050	mg/L	1	11/2/2023	
1,2-Dichloropropane	ND	0.0050	mg/L	1	11/2/2023	
cis-1,3-Dichloropropene	ND	0.0010	mg/L	1	11/2/2023	
trans-1,3-Dichloropropene	ND	0.0010	mg/L	1	11/2/2023	
Ethylbenzene	ND	0.0050	mg/L	1	11/2/2023	
2-Hexanone	ND	0.020	mg/L	1	11/2/2023	
4-Methyl-2-pentanone	ND	0.020	mg/L	1	11/2/2023	
Methylene chloride	ND	0.0050	mg/L	1	11/2/2023	
Methyl tert-butyl ether	ND	0.0050	mg/L	1	11/2/2023	
Styrene	ND	0.0050	mg/L	1	11/2/2023	
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/L	1	11/2/2023	
Tetrachloroethene	ND	0.0050	mg/L	1	11/2/2023	
Toluene	ND	0.0050	mg/L	1	11/2/2023	
1,1,1-Trichloroethane	ND	0.0050	mg/L	1	11/2/2023	
1,1,2-Trichloroethane	ND	0.0050	mg/L	1	11/2/2023	
Trichloroethene	ND	0.0050	mg/L	1	11/2/2023	
Vinyl chloride	ND	0.0020	mg/L	1	11/2/2023	
Xylenes, Total	ND	0.015	mg/L	1	11/2/2023	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** DUP-001 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

**Volatile Organic Compounds by GC/MS** **SW8260B (SW5030B)** **Prep Date:** **Analyst: ERP**

IEPA ELAP 100445

Acetone	ND	0.020		mg/L	1	11/2/2023
Benzene	ND	0.0050		mg/L	1	11/2/2023
Bromodichloromethane	ND	0.0050		mg/L	1	11/2/2023
Bromoform	ND	0.0010		mg/L	1	11/2/2023
Bromomethane	ND	0.0050		mg/L	1	11/2/2023
2-Butanone	ND	0.020		mg/L	1	11/2/2023
Carbon disulfide	ND	0.010		mg/L	1	11/2/2023
Carbon tetrachloride	ND	0.0050		mg/L	1	11/2/2023
Chlorobenzene	ND	0.0050		mg/L	1	11/2/2023
Chloroethane	ND	0.010		mg/L	1	11/2/2023
Chloroform	ND	0.0010		mg/L	1	11/2/2023
Chloromethane	ND	0.010		mg/L	1	11/2/2023
Dibromochloromethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050		mg/L	1	11/2/2023
1,2-Dichloropropane	ND	0.0050		mg/L	1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0010		mg/L	1	11/2/2023
Ethylbenzene	ND	0.0050		mg/L	1	11/2/2023
2-Hexanone	ND	0.020		mg/L	1	11/2/2023
4-Methyl-2-pentanone	ND	0.020		mg/L	1	11/2/2023
Methylene chloride	ND	0.0050		mg/L	1	11/2/2023
Methyl tert-butyl ether	ND	0.0050		mg/L	1	11/2/2023
Styrene	ND	0.0050		mg/L	1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/L	1	11/2/2023
Tetrachloroethene	ND	0.0050		mg/L	1	11/2/2023
Toluene	ND	0.0050		mg/L	1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050		mg/L	1	11/2/2023
Trichloroethene	ND	0.0050		mg/L	1	11/2/2023
Vinyl chloride	ND	0.0020		mg/L	1	11/2/2023
Xylenes, Total	ND	0.015		mg/L	1	11/2/2023

**Polynuclear Aromatic Hydrocarbons by GC/MS** **SW8270C-SIM (SW3510C)** **Prep Date: 11/2/2023** **Analyst: DM**

IEPA ELAP 100445

Naphthalene	ND	0.0010		mg/L	1	11/2/2023
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**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

Customer: Terracon Consultants, Inc.

Customer Sample ID: DUP-001 / 110123

Work Order: 23110021 Revision 0

Collection Date: 11/1/2023

Project: A2237020, AIS, 3710 S. California, Chicago, IL

Matrix: Aqueous

Lab ID: 23110021-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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<b>Mercury</b> IEPA ELAP 100445	<b>SW7470A</b>				Prep Date: 11/2/2023	Analyst: <b>JG</b>
Mercury	ND	0.00020		mg/L	1	11/2/2023

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 03, 2023

## Analytical Results

Date Printed: November 03, 2023

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** TB-001 / 110123  
**Work Order:** 23110021 Revision 0 **Collection Date:** 11/1/2023  
**Project:** A2237020, AIS, 3710 S. California, Chicago, IL **Matrix:** Aqueous  
**Lab ID:** 23110021-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS	SW8260B (SW5030B)		Prep Date:	Analyst: ERP
<i>IEPA ELAP 100445</i>				
Acetone	ND	0.020	mg/L 1	11/2/2023
Benzene	ND	0.0050	mg/L 1	11/2/2023
Bromodichloromethane	ND	0.0050	mg/L 1	11/2/2023
Bromoform	ND	0.0010	mg/L 1	11/2/2023
Bromomethane	ND	0.0050	mg/L 1	11/2/2023
2-Butanone	ND	0.020	mg/L 1	11/2/2023
Carbon disulfide	ND	0.010	mg/L 1	11/2/2023
Carbon tetrachloride	ND	0.0050	mg/L 1	11/2/2023
Chlorobenzene	ND	0.0050	mg/L 1	11/2/2023
Chloroethane	ND	0.010	mg/L 1	11/2/2023
Chloroform	ND	0.0010	mg/L 1	11/2/2023
Chloromethane	ND	0.010	mg/L 1	11/2/2023
Dibromochloromethane	ND	0.0050	mg/L 1	11/2/2023
1,1-Dichloroethane	ND	0.0050	mg/L 1	11/2/2023
1,2-Dichloroethane	ND	0.0050	mg/L 1	11/2/2023
1,1-Dichloroethene	ND	0.0050	mg/L 1	11/2/2023
cis-1,2-Dichloroethene	ND	0.0050	mg/L 1	11/2/2023
trans-1,2-Dichloroethene	ND	0.0050	mg/L 1	11/2/2023
1,2-Dichloropropane	ND	0.0050	mg/L 1	11/2/2023
cis-1,3-Dichloropropene	ND	0.0010	mg/L 1	11/2/2023
trans-1,3-Dichloropropene	ND	0.0010	mg/L 1	11/2/2023
Ethylbenzene	ND	0.0050	mg/L 1	11/2/2023
2-Hexanone	ND	0.020	mg/L 1	11/2/2023
4-Methyl-2-pentanone	ND	0.020	mg/L 1	11/2/2023
Methylene chloride	ND	0.0050	mg/L 1	11/2/2023
Methyl tert-butyl ether	ND	0.0050	mg/L 1	11/2/2023
Styrene	ND	0.0050	mg/L 1	11/2/2023
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/L 1	11/2/2023
Tetrachloroethene	ND	0.0050	mg/L 1	11/2/2023
Toluene	ND	0.0050	mg/L 1	11/2/2023
1,1,1-Trichloroethane	ND	0.0050	mg/L 1	11/2/2023
1,1,2-Trichloroethane	ND	0.0050	mg/L 1	11/2/2023
Trichloroethene	ND	0.0050	mg/L 1	11/2/2023
Vinyl chloride	ND	0.0020	mg/L 1	11/2/2023
Xylenes, Total	ND	0.015	mg/L 1	11/2/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded





2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551  
 509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663  
 info@theSterlinglab.com

CHAIN OF CUSTODY RECORD

Company: TERRACON Client Tracking No.: \_\_\_\_\_  
 Project Number: A2237020  
 Project Name: ATS  
 Project Location: 3710 S. California, Chicago, IL  
 Sampler(s): Brian Taylor  
 Report To: Steve S@ST-MACOM Phone: 630 427 8100  
 Fax: \_\_\_\_\_  
 QC Level: 1 2 3 4 e-mail: \_\_\_\_\_

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
GW-02 / 110123	11-1-23	1040	GW		X		6	X VOCs	001
GW-04 / 110123	11-1-23	1210	GW		X		6	X NAPHTHALENE	002
GW-07 / 110123	11-1-23	1220	GW		X		6	X MERCURY	003
GW-11 / 110123	11-1-23	1315	GW		X		6	X	004
GW-16 / 110123	11-1-23	1350	GW		X		2	X	005
DUP-001 / 110123	11-1-23	-	GW	X			6	X	006
TB-001 / 110123	11-1-23	-	GW	X			3	X	007

Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 11-1-23  
 Received by: (Signature) \_\_\_\_\_ Date/Time: 11/1/2023 16:58  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments: \_\_\_\_\_

Laboratory Work Order No.: 23110021  
 Received on Ice: Yes  No   
 Temperature: 01.22 °C

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other



### Sample Receipt Checklist

Customer: **TERRACON-CHICAGO**

Date and Time Received: **11/1/2023 4:35:00 PM**

Work Order Number **23110021**

Received by: **MRH**

Checklist completed by: \_\_\_\_\_

Signature

*[Handwritten Signature]*

Date

*11/1/2023*

Reviewed by: \_\_\_\_\_

Initials

*MRH*

Date

*11/3/2023*

Matrix: \_\_\_\_\_

Carrier name Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature On Ice °C
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: *[Signature]*
- Water - Samples properly preserved? Yes  No  pH Adjusted? *[Signature]*

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer / Person contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Terracon - Glendale Heights**

Sample Delivery Group: L1672038  
Samples Received: 10/31/2023  
Project Number: A2237020  
Description:

Report To: Steven R. Swenson  
1401 Branding Avenue, Suite 315  
Downers Grove, IL 60515

Entire Report Reviewed By:



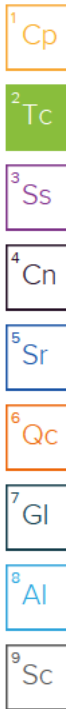
John Hawkins  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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# SAMPLE SUMMARY

				Collected by	Collected date/time	Received date/time
SG-02 / 103123 L1672038-01 Air				BT	10/30/23 09:03	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 14:34	11/02/23 14:34	GH	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-03 / 103123 L1672038-02 Air				BT	10/30/23 09:53	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 15:12	11/02/23 15:12	GH	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-04 / 103123 L1672038-03 Air				BT	10/30/23 10:22	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 15:51	11/02/23 15:51	GH	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-05 / 103123 L1672038-04 Air				BT	10/30/23 11:03	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/03/23 01:32	11/03/23 01:32	GH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2164464	1	11/04/23 12:08	11/04/23 12:08	MNP	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-06 / 103123 L1672038-05 Air				BT	10/30/23 11:13	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 16:29	11/02/23 16:29	GH	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-07 / 103123 L1672038-06 Air				BT	10/30/23 12:07	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 17:08	11/02/23 17:08	GH	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-08 / 103123 L1672038-07 Air				BT	10/30/23 12:41	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 17:47	11/02/23 17:47	GH	Mt. Juliet, TN
				Collected by	Collected date/time	Received date/time
SG-09 / 103123 L1672038-08 Air				BT	10/30/23 12:55	10/31/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 18:25	11/02/23 18:25	GH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# SAMPLE SUMMARY

SG-10 / 103123 L1672038-09 Air

Collected by BT  
 Collected date/time 10/30/23 13:19  
 Received date/time 10/31/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 19:03	11/02/23 19:03	GH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

SG-11 / 103123 L1672038-10 Air

Collected by BT  
 Collected date/time 10/30/23 13:38  
 Received date/time 10/31/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 19:42	11/02/23 19:42	GH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2164466	10	11/04/23 13:37	11/04/23 13:37	SDS	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

SG-12 / 103123 L1672038-11 Air

Collected by BT  
 Collected date/time 10/30/23 13:59  
 Received date/time 10/31/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 20:20	11/02/23 20:20	GH	Mt. Juliet, TN

7 Gl

8 Al

DUP-001 / 103123 L1672038-12 Air

Collected by BT  
 Collected date/time 10/30/23 00:00  
 Received date/time 10/31/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163168	1	11/02/23 20:58	11/02/23 20:58	GH	Mt. Juliet, TN

9 Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



John Hawkins  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	251	596	E	1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	0.347	1.08		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	20.8	39.2		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.318	1.56		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	1.00	5.62		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.279	1.38		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	0.672	5.15		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	75.4	185		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.296	1.61		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	3.57	19.1		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.392	1.92		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.28	5.56		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	1.19	5.16		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.4				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.98	4.71		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	0.259	0.827		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disulfide	75-15-0	76.10	0.200	0.622	11.5	35.8		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	6.01	11.3		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.547	3.07		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	3.65	28.0		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	5.03	12.4		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.334	2.27		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	15.2	82.7		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	0.842	4.51		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.0				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.68	8.74		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	5.55	17.3		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	11.1	20.9		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.240	1.35		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.258	1.28		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	0.418	3.20		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	0.586	2.40		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	1.27	4.48		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.561	1.95		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	11.6	28.5		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	0.690	2.60		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	14.3	77.8		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	0.734	3.93		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.8				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.18	14.7		1	<a href="#">WG2164464</a>
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	<a href="#">WG2164464</a>
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	<a href="#">WG2163168</a>
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	<a href="#">WG2164464</a>
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	<a href="#">WG2163168</a>
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	<a href="#">WG2164464</a>
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	<a href="#">WG2164464</a>
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	<a href="#">WG2164464</a>
Carbon disu fide	75-15-0	76.10	0.200	0.622	5.56	17.3		1	<a href="#">WG2164464</a>
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	<a href="#">WG2164464</a>
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	<a href="#">WG2163168</a>
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	<a href="#">WG2164464</a>
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	<a href="#">WG2164464</a>
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	<a href="#">WG2164464</a>
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	<a href="#">WG2164464</a>
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	<a href="#">WG2164464</a>
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	<a href="#">WG2164464</a>
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	<a href="#">WG2164464</a>
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	<a href="#">WG2164464</a>
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	<a href="#">WG2163168</a>
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	<a href="#">WG2164464</a>
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2164464</a>
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2164464</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2164464</a>
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	<a href="#">WG2163168</a>
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	<a href="#">WG2163168</a>
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	<a href="#">WG2163168</a>
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	<a href="#">WG2163168</a>
Ethanol	64-17-5	46.10	2.50	4.71	15.1	28.5		1	<a href="#">WG2164464</a>
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	<a href="#">WG2164464</a>
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2164464</a>
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.209	1.17		1	<a href="#">WG2164464</a>
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.317	1.57		1	<a href="#">WG2164464</a>
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	<a href="#">WG2164464</a>
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	<a href="#">WG2164464</a>
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	<a href="#">WG2163168</a>
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	<a href="#">WG2164464</a>
n-Hexane	110-54-3	86.20	0.630	2.22	0.949	3.35		1	<a href="#">WG2164464</a>
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	<a href="#">WG2164464</a>
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.668	2.32		1	<a href="#">WG2164464</a>
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	<a href="#">WG2163168</a>
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.45	10.2		1	<a href="#">WG2164464</a>
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	<a href="#">WG2163168</a>
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	<a href="#">WG2163168</a>
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	<a href="#">WG2164464</a>
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	<a href="#">WG2164464</a>
2-Propanol	67-63-0	60.10	1.25	3.07	7.87	19.3		1	<a href="#">WG2164464</a>
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	<a href="#">WG2164464</a>
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	<a href="#">WG2164464</a>
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	<a href="#">WG2164464</a>
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	<a href="#">WG2163168</a>
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	<a href="#">WG2164464</a>
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	<a href="#">WG2164464</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	1.27	6.91		1	<a href="#">WG2164464</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	0.415	2.22		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2164464</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2164464</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2164464</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2164464</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2164464</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2164464</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2164464</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2164464</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2164464</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.7				<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				<a href="#">WG2164464</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	24.7	58.7		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	3.43	11.0		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	30.0	93.4		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	0.278	0.574		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	1.72	5.92		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.204	1.23		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	2.82	5.32	B	1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	2.98	12.9		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.490	2.40		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.383	1.89		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	6.58	26.9		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	5.58	19.7		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.74	14.0		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.58	6.47		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	1.48	3.64		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.28	15.5		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	15.1	56.9		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.446	2.43		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	0.374	2.00		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.726	3.56		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.338	1.66		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	3.39	15.8		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	7.04	30.6		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	5.62	24.4		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	1.42	6.16		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	13.1	31.1		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	0.343	1.10		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	28.6	89.0		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	0.507	1.75		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	53.8	101		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	0.483	2.09		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.234	1.15		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.253	1.25		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	0.707	2.49		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.876	3.04		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.34	3.95		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	9.59	23.6		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.344	2.34		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	2.04	7.68		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.51	6.56		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	1.15	4.99		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	0.355	1.54		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.9				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.9	28.3		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	22.5	71.9		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disulfide	75-15-0	76.10	0.200	0.622	45.3	141		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	0.847	3.91		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	62.7	216		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	4.77	8.99		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	2.29	9.93		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.692	3.40		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.255	1.26		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	88.5	362		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	95.7	337		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.39	4.10		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	2.49	6.12		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	12.9	22.2		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.667	4.53		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	10.9	41.1		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.429	2.11		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.239	1.17		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	10.3	48.1		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	5.92	25.7		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	4.72	20.5		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	1.20	5.20		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		107				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.1	26.4		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	0.333	1.06		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	0.320	0.996		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	0.502	1.04		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	0.232	0.799		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	259	488	E	1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	0.216	0.936		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.374	1.85		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	0.366	1.50		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	1.31	4.62		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	3.48	12.1		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	30.9	76.0		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	1.98	7.46		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.202	0.991		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.220	1.03		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	0.818	3.55		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	0.581	2.52		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	0.237	1.03		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.7				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.43	10.5		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	0.476	1.52		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	2.67	8.31		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	0.503	1.73		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	7.06	13.3		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	0.500	2.17		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.238	1.17		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	1.59	6.50		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.231	0.802		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	3.22	7.92		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.203	1.38		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	1.55	5.84		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.49	6.47		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	1.15	4.99		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	0.338	1.47		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.2				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.70	8.79		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	1.41	4.50		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	39.3	122		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	7.51	25.9		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	22.9	43.2		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	0.861	3.73		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.238	1.17		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.277	1.37		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	12.8	45.1		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.11	3.85		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	2.94	7.23		1	WG2163168
Propene	115-07-1	42.10	12.5	21.5	302	520		10	WG2164466
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.360	2.44		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	3.84	14.5		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.38	10.3		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	1.71	7.41		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	0.673	2.92		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.0				<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				<a href="#">WG2164466</a>

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.44	10.6		1	<a href="#">WG2163168</a>
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	<a href="#">WG2163168</a>
Benzene	71-43-2	78.10	0.200	0.639	0.238	0.760		1	<a href="#">WG2163168</a>
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	<a href="#">WG2163168</a>
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	<a href="#">WG2163168</a>
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	<a href="#">WG2163168</a>
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	<a href="#">WG2163168</a>
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	<a href="#">WG2163168</a>
Carbon disu fide	75-15-0	76.10	0.200	0.622	0.461	1.43		1	<a href="#">WG2163168</a>
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	<a href="#">WG2163168</a>
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	<a href="#">WG2163168</a>
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	<a href="#">WG2163168</a>
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	<a href="#">WG2163168</a>
Chloromethane	74-87-3	50.50	0.200	0.413	0.222	0.459		1	<a href="#">WG2163168</a>
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	<a href="#">WG2163168</a>
Cyclohexane	110-82-7	84.20	0.200	0.689	0.203	0.699		1	<a href="#">WG2163168</a>
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	<a href="#">WG2163168</a>
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	<a href="#">WG2163168</a>
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	<a href="#">WG2163168</a>
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	<a href="#">WG2163168</a>
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2163168</a>
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2163168</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	<a href="#">WG2163168</a>
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	<a href="#">WG2163168</a>
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	<a href="#">WG2163168</a>
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	<a href="#">WG2163168</a>
Ethanol	64-17-5	46.10	2.50	4.71	59.4	112		1	<a href="#">WG2163168</a>
Ethylbenzene	100-41-4	106	0.200	0.867	0.271	1.17		1	<a href="#">WG2163168</a>
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	<a href="#">WG2163168</a>
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.231	1.14		1	<a href="#">WG2163168</a>
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	<a href="#">WG2163168</a>
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	<a href="#">WG2163168</a>
Heptane	142-82-5	100	0.200	0.818	0.709	2.90		1	<a href="#">WG2163168</a>
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	<a href="#">WG2163168</a>
n-Hexane	110-54-3	86.20	0.630	2.22	2.15	7.58		1	<a href="#">WG2163168</a>
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	<a href="#">WG2163168</a>
Methylene Chloride	75-09-2	84.90	0.200	0.694	3.13	10.9		1	<a href="#">WG2163168</a>
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	<a href="#">WG2163168</a>
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	<a href="#">WG2163168</a>
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	<a href="#">WG2163168</a>
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	<a href="#">WG2163168</a>
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	<a href="#">WG2163168</a>
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	<a href="#">WG2163168</a>
2-Propanol	67-63-0	60.10	1.25	3.07	7.94	19.5		1	<a href="#">WG2163168</a>
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	<a href="#">WG2163168</a>
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	<a href="#">WG2163168</a>
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	<a href="#">WG2163168</a>
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	<a href="#">WG2163168</a>
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	<a href="#">WG2163168</a>
Toluene	108-88-3	92.10	0.500	1.88	2.17	8.17		1	<a href="#">WG2163168</a>
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	<a href="#">WG2163168</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	0.859	3.73		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	0.641	2.78		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	0.218	0.945		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.8				<a href="#">WG2163168</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.98	4.71		1	WG2163168
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163168
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2163168
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163168
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163168
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163168
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163168
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163168
Carbon disu fide	75-15-0	76.10	0.200	0.622	2.68	8.34		1	WG2163168
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163168
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163168
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163168
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163168
Chloromethane	74-87-3	50.50	0.200	0.413	0.246	0.508		1	WG2163168
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163168
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2163168
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163168
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163168
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163168
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163168
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163168
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163168
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163168
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163168
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163168
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163168
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163168
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163168
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163168
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163168
Ethanol	64-17-5	46.10	2.50	4.71	6.66	12.6		1	WG2163168
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2163168
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2163168
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG2163168
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.234	1.16		1	WG2163168
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	0.282	2.16		1	WG2163168
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163168
Heptane	142-82-5	100	0.200	0.818	0.442	1.81		1	WG2163168
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163168
n-Hexane	110-54-3	86.20	0.630	2.22	0.973	3.43		1	WG2163168
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163168
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2163168
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163168
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163168
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163168
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163168
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163168
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163168
2-Propanol	67-63-0	60.10	1.25	3.07	6.85	16.8		1	WG2163168
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163168
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163168
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163168
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2163168
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163168
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2163168
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163168

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	8.83	48.0		1	<a href="#">WG2163168</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163168</a>
Trichloroethylene	79-01-6	131	0.200	1.07	0.429	2.30		1	<a href="#">WG2163168</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163168</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163168</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163168</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163168</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163168</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2163168</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2163168</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2163168</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.5				<a href="#">WG2163168</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3995287-3 11/02/23 11:05

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disu fide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.413	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3995287-3 11/02/23 11:05

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	92.4			60.0-140

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995287-1 11/02/23 09:48 • (LCSD) R3995287-2 11/02/23 10:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.31	3.46	88.3	92.3	70.0-130			4.43	25
Allyl chloride	3.75	3.64	3.81	97.1	102	70.0-130			4.56	25
Benzene	3.75	3.72	3.75	99.2	100	70.0-130			0.803	25
Benzyl Chloride	3.75	3.92	3.86	105	103	70.0-152			1.54	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995287-1 11/02/23 09:48 • (LCSD) R3995287-2 11/02/23 10:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.73	3.80	99.5	101	70.0-130			1.86	25
Bromoform	3.75	3.77	3.84	101	102	70.0-130			1.84	25
Bromomethane	3.75	3.72	3.73	99.2	99.5	70.0-130			0.268	25
1,3-Butadiene	3.75	3.96	4.12	106	110	70.0-130			3.96	25
Carbon disulfide	3.75	3.91	4.06	104	108	70.0-130			3.76	25
Carbon tetrachloride	3.75	3.66	3.80	97.6	101	70.0-130			3.75	25
Chlorobenzene	3.75	3.74	3.80	99.7	101	70.0-130			1.59	25
Chloroethane	3.75	4.09	3.92	109	105	70.0-130			4.24	25
Chloroform	3.75	3.65	3.72	97.3	99.2	70.0-130			1.90	25
Chloromethane	3.75	3.71	3.89	98.9	104	70.0-130			4.74	25
2-Chlorotoluene	3.75	3.91	3.97	104	106	70.0-130			1.52	25
Cyclohexane	3.75	3.70	3.80	98.7	101	70.0-130			2.67	25
Dibromochloromethane	3.75	3.84	3.89	102	104	70.0-130			1.29	25
1,2-Dibromoethane	3.75	3.88	3.91	103	104	70.0-130			0.770	25
1,2-Dichlorobenzene	3.75	3.93	3.99	105	106	70.0-130			1.52	25
1,3-Dichlorobenzene	3.75	3.91	3.96	104	106	70.0-130			1.27	25
1,4-Dichlorobenzene	3.75	3.96	4.08	106	109	70.0-130			2.99	25
1,2-Dichloroethane	3.75	3.65	3.70	97.3	98.7	70.0-130			1.36	25
1,1-Dichloroethane	3.75	3.56	3.68	94.9	98.1	70.0-130			3.31	25
1,1-Dichloroethene	3.75	3.52	3.74	93.9	99.7	70.0-130			6.06	25
cis-1,2-Dichloroethene	3.75	3.69	3.74	98.4	99.7	70.0-130			1.35	25
trans-1,2-Dichloroethene	3.75	3.57	3.63	95.2	96.8	70.0-130			1.67	25
1,2-Dichloropropane	3.75	3.74	3.79	99.7	101	70.0-130			1.33	25
cis-1,3-Dichloropropene	3.75	3.79	3.81	101	102	70.0-130			0.526	25
trans-1,3-Dichloropropene	3.75	3.80	3.81	101	102	70.0-130			0.263	25
1,4-Dioxane	3.75	3.79	3.73	101	99.5	70.0-140			1.60	25
Ethanol	3.75	4.05	4.08	108	109	55.0-148			0.738	25
Ethylbenzene	3.75	3.63	3.66	96.8	97.6	70.0-130			0.823	25
4-Ethyltoluene	3.75	3.73	3.78	99.5	101	70.0-130			1.33	25
Trichlorofluoromethane	3.75	3.69	3.76	98.4	100	70.0-130			1.88	25
Dichlorodifluoromethane	3.75	3.53	3.80	94.1	101	64.0-139			7.37	25
1,1,2-Trichlorotrifluoroethane	3.75	3.65	3.88	97.3	103	70.0-130			6.11	25
1,2-Dichlorotetrafluoroethane	3.75	3.66	3.85	97.6	103	70.0-130			5.06	25
Heptane	3.75	3.75	3.88	100	103	70.0-130			3.41	25
Hexachloro-1,3-butadiene	3.75	4.01	3.94	107	105	70.0-151			1.76	25
n-Hexane	3.75	3.51	3.64	93.6	97.1	70.0-130			3.64	25
Isopropylbenzene	3.75	3.72	3.78	99.2	101	70.0-130			1.60	25
Methylene Chloride	3.75	3.46	3.62	92.3	96.5	70.0-130			4.52	25
Methyl Butyl Ketone	3.75	3.60	3.61	96.0	96.3	70.0-149			0.277	25
2-Butanone (MEK)	3.75	3.64	3.58	97.1	95.5	70.0-130			1.66	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995287-1 11/02/23 09:48 • (LCSD) R3995287-2 11/02/23 10:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.63	3.69	96.8	98.4	70.0-139			1.64	25
Methyl methacrylate	3.75	3.59	3.59	95.7	95.7	70.0-130			0.000	25
MTBE	3.75	3.67	3.66	97.9	97.6	70.0-130			0.273	25
Naphthalene	3.75	4.02	3.89	107	104	70.0-159			3.29	25
2-Propanol	3.75	3.35	3.42	89.3	91.2	70.0-139			2.07	25
Propene	3.75	3.51	3.66	93.6	97.6	64.0-144			4.18	25
Styrene	3.75	3.77	3.82	101	102	70.0-130			1.32	25
1,1,2,2-Tetrachloroethane	3.75	3.70	3.81	98.7	102	70.0-130			2.93	25
Tetrachloroethylene	3.75	3.76	3.85	100	103	70.0-130			2.37	25
Tetrahydrofuran	3.75	3.48	3.62	92.8	96.5	70.0-137			3.94	25
Toluene	3.75	3.69	3.70	98.4	98.7	70.0-130			0.271	25
1,2,4-Trichlorobenzene	3.75	4.06	4.00	108	107	70.0-160			1.49	25
1,1,1-Trichloroethane	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
1,1,2-Trichloroethane	3.75	3.80	3.79	101	101	70.0-130			0.264	25
Trichloroethylene	3.75	3.80	3.73	101	99.5	70.0-130			1.86	25
1,2,4-Trimethylbenzene	3.75	3.90	3.88	104	103	70.0-130			0.514	25
1,3,5-Trimethylbenzene	3.75	4.00	3.96	107	106	70.0-130			1.01	25
2,2,4-Trimethylpentane	3.75	3.52	3.61	93.9	96.3	70.0-130			2.52	25
Vinyl chloride	3.75	4.03	4.13	107	110	70.0-130			2.45	25
Vinyl Bromide	3.75	3.72	3.78	99.2	101	70.0-130			1.60	25
Vinyl acetate	3.75	3.91	3.92	104	105	70.0-130			0.255	25
Xylenes, Total	11.3	11.1	11.3	98.2	100	70.0-130			1.79	25
m&p-Xylene	7.50	7.43	7.53	99.1	100	70.0-130			1.34	25
o-Xylene	3.75	3.67	3.74	97.9	99.7	70.0-130			1.89	25
(S) 1,4-Bromofluorobenzene				95.4	95.3	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3995445-3 11/04/23 09:15

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzyl Chloride	U		0.0598	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disu fide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Ethanol	1.24	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
2-Butanone (MEK)	U		0.0814	1.25
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.103	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrahydrofuran	U		0.0734	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3995445-3 11/04/23 09:15

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,1-Trichloroethane	U		0.0736	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.2			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995445-1 11/04/23 07:54 • (LCSD) R3995445-2 11/04/23 08:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.64	3.42	97.1	91.2	70.0-130			6.23	25
Allyl chloride	3.75	4.61	4.43	123	118	70.0-130			3.98	25
Benzyl Chloride	3.75	3.40	3.43	90.7	91.5	70.0-152			0.878	25
Bromoform	3.75	3.40	3.54	90.7	94.4	70.0-130			4.03	25
Bromomethane	3.75	3.93	3.54	105	94.4	70.0-130			10.4	25
1,3-Butadiene	3.75	3.43	3.20	91.5	85.3	70.0-130			6.94	25
Carbon disulfide	3.75	3.65	3.54	97.3	94.4	70.0-130			3.06	25
Carbon tetrachloride	3.75	3.70	3.49	98.7	93.1	70.0-130			5.84	25
Chloroethane	3.75	3.77	3.40	101	90.7	70.0-130			10.3	25
Chloroform	3.75	3.68	3.57	98.1	95.2	70.0-130			3.03	25
Chloromethane	3.75	3.53	3.44	94.1	91.7	70.0-130			2.58	25
2-Chlorotoluene	3.75	3.69	3.60	98.4	96.0	70.0-130			2.47	25
Cyclohexane	3.75	3.76	3.56	100	94.9	70.0-130			5.46	25
1,2-Dichlorobenzene	3.75	3.61	3.63	96.3	96.8	70.0-130			0.552	25
1,3-Dichlorobenzene	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
1,4-Dichlorobenzene	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
1,1-Dichloroethane	3.75	3.60	3.51	96.0	93.6	70.0-130			2.53	25
1,1-Dichloroethene	3.75	3.43	3.32	91.5	88.5	70.0-130			3.26	25
cis-1,2-Dichloroethene	3.75	3.77	3.55	101	94.7	70.0-130			6.01	25
trans-1,2-Dichloroethene	3.75	3.52	3.48	93.9	92.8	70.0-130			1.14	25
Ethanol	3.75	4.46	4.36	119	116	55.0-148			2.27	25
Ethylbenzene	3.75	3.56	3.60	94.9	96.0	70.0-130			1.12	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995445-1 11/04/23 07:54 • (LCSD) R3995445-2 11/04/23 08:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Ethyltoluene	3.75	3.69	3.65	98.4	97.3	70.0-130			1.09	25
Trichlorofluoromethane	3.75	3.72	3.59	99.2	95.7	70.0-130			3.56	25
Dichlorodifluoromethane	3.75	3.68	3.36	98.1	89.6	64.0-139			9.09	25
1,1,2-Trichlorotrifluoroethane	3.75	3.67	3.53	97.9	94.1	70.0-130			3.89	25
1,2-Dichlorotetrafluoroethane	3.75	3.65	3.48	97.3	92.8	70.0-130			4.77	25
Hexachloro-1,3-butadiene	3.75	3.63	3.64	96.8	97.1	70.0-151			0.275	25
n-Hexane	3.75	3.58	3.45	95.5	92.0	70.0-130			3.70	25
Isopropylbenzene	3.75	3.59	3.64	95.7	97.1	70.0-130			1.38	25
Methylene Chloride	3.75	3.54	3.36	94.4	89.6	70.0-130			5.22	25
2-Butanone (MEK)	3.75	3.77	3.27	101	87.2	70.0-130			14.2	25
MTBE	3.75	3.44	3.37	91.7	89.9	70.0-130			2.06	25
Naphthalene	3.75	3.68	3.70	98.1	98.7	70.0-159			0.542	25
2-Propanol	3.75	3.95	3.87	105	103	70.0-139			2.05	25
Propene	3.75	3.65	3.33	97.3	88.8	64.0-144			9.17	25
Styrene	3.75	3.56	3.57	94.9	95.2	70.0-130			0.281	25
1,1,2,2-Tetrachloroethane	3.75	3.53	3.52	94.1	93.9	70.0-130			0.284	25
Tetrahydrofuran	3.75	3.66	3.45	97.6	92.0	70.0-137			5.91	25
1,2,4-Trichlorobenzene	3.75	3.68	3.58	98.1	95.5	70.0-160			2.75	25
1,1,1-Trichloroethane	3.75	3.62	3.48	96.5	92.8	70.0-130			3.94	25
1,2,4-Trimethylbenzene	3.75	3.64	3.58	97.1	95.5	70.0-130			1.66	25
1,3,5-Trimethylbenzene	3.75	4.52	4.48	121	119	70.0-130			0.889	25
2,2,4-Trimethylpentane	3.75	3.57	3.54	95.2	94.4	70.0-130			0.844	25
Vinyl chloride	3.75	3.60	3.42	96.0	91.2	70.0-130			5.13	25
Vinyl Bromide	3.75	3.71	3.66	98.9	97.6	70.0-130			1.36	25
Vinyl acetate	3.75	3.27	3.17	87.2	84.5	70.0-130			3.11	25
Xylenes, Total	11.3	10.6	10.6	93.8	93.8	70.0-130			0.000	25
m&p-Xylene	7.50	7.03	7.08	93.7	94.4	70.0-130			0.709	25
o-Xylene	3.75	3.56	3.51	94.9	93.6	70.0-130			1.41	25
(S) 1,4-Bromofluorobenzene				98.9	101	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3995450-3 11/04/23 08:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Propene	U		0.0932	1.25
<i>(S) 1,4-Bromofluorobenzene</i>	97.8			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995450-1 11/04/23 07:42 • (LCSD) R3995450-2 11/04/23 08:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Propene	3.75	3.88	3.79	103	101	64.0-144			2.35	25
<i>(S) 1,4-Bromofluorobenzene</i>				99.6	100	60.0-140				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



# ACCREDITATIONS & LOCATIONS

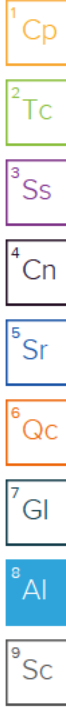
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



**Pace** Pace \* Location Requested (City/State): **Air CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: **Terracon - Downers Grove, IL**  
 Street Address: **1401 Branding Avenue, Suite 315 Downers Grove, IL 60515**  
 City, State Zip: **Downers Grove, IL 60515**  
 Customer Project #: **A2237020**  
 Project Name: **A2237020**

Contact/Report To: **Steven R. Swenson**  
 Phone #: **630-427-8110**  
 E-Mail: **steves@st-ma.com; Rich.O'Brien@terracon.com**  
 Cc E-Mail:  
 Invoice to:  
 Invoice E-Mail:  
 Purchase Order # (if applicable):  
 Quote #:  
 State origin of sample(s):

Site Collection Info/Facility ID (as applicable): **STJMITTIL-102323**  
 Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

Data Deliverables:  
 [ ] Level II [ ] Level III [ ] Level IV  
 [ ] EQUIS  
 [ ] Other

Regulatory Program (CAA, RCRA, etc.) as applicable:  
 Rush (Pre-approval required): **2 Day** 3 day 5 day Other  
 Permit # as applicable:  
 Date Results Requested:  
 Units for Reporting: ug/m<sup>3</sup> PPBV mg/m<sup>3</sup> PPMV

\* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m <sup>3</sup> /min or L/min)	Total Volume Sampled (m <sup>3</sup> or L)	TO-15 Summa
				Date	Time	Date	Time						
<del>SG-01/103123</del>	<del>SV</del>	<del>23971</del>	<del>---</del>	<del>10/30/23</del>	<del>---</del>	<del>10/30/23</del>	<del>---</del>	<del>---</del>	<del>---</del>	<del>---</del>	<del>---</del>	<del>---</del>	
SG-02/103123	SV	23971	22614	10/30/23	0850	10/30/23	---	---	---	---	---	---	X
SG-03/103123	SV	13767	15517	10/30/23	0945	10/30/23	-28	0	---	---	---	---	X
SG-04/103123	SV	15197	28706	10/30/23	1017	10/30/23	-30	-3	---	---	---	---	X
SG-05/103123	SV	10611	13384	10/30/23	1056	10/30/23	-28	-3	---	---	---	---	X
SG-06/103123	SV	20196	12037	10/30/23	1108	10/30/23	-30	-3	---	---	---	---	X
SG-07/103123	SV	20258	24002	10/30/23	1202	10/30/23	-29	-2	---	---	---	---	X
SG-08/103123	SV	20309	23014	10/30/23	1233	10/30/23	-28	-3	---	---	---	---	X
SG-09/103123	SV	20460	12765	10/30/23	1248	10/30/23	-30	-3	---	---	---	---	X
SG-10/103123	SV	20277	12816	10/30/23	1312	10/30/23	-30	-3	---	---	---	---	X

Customer Remarks / Special Conditions / Possible Hazards: **VOCs + Naphthalene**

Collected By: **B. Taylor**  
 Printed Name: **B-Taylor**  
 Signature: *[Signature]*

Additional Instructions from Pace\*:  
 # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C):  
 Date/Time: Received by/Company: (Signature)  
 Date/Time: Received by/Company: (Signature)  
 Date/Time: Received by/Company: (Signature)  
 Date/Time: Received by/Company: (Signature)  
 Date/Time: Received by/Company: (Signature)

Relinquished by/Company: (Signature) **Terracon** Date/Time: **10/24/23**  
 Relinquished by/Company: (Signature) Date/Time: **10-30-23**  
 Relinquished by/Company: (Signature) Date/Time:  
 Relinquished by/Company: (Signature) Date/Time:

Tracking Number:  
 Delivered by: In-Person Courier  
 FedEX UPS Other

Date/Time: **10/31/23** **0900**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace \* Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>



LAB USE ONLY- Affix Workorder/Login Label Here

**0119** **0119**

Sample Receipt Checklist

CO Seal Present/Intact:  Y  N  
 CO Signed/Accurate:  Y  N Size: **1** 1L  
 Bottles arrive intact:  Y  N Tare Color: **G**  
 Correct bottles used:  Y  N T/P#:  
 Sufficient volume sent:  Y  N  
 RA Screen <0.5 mR/hr:  Y  N

**TRK 6727 1904 8475**

Analyses Requested

Proj. Manager:  
**341 - John Hawkins**

AcctNum / Client ID:  
**STJMITTIL**

Table #:  
**T240530**

Profile / Template:  
**P1032690**

Prelog / Bottle Ord. ID:  
**4672038**

Sample Comment

61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69

**Air CHAIN-OF-CUSTODY Analytical Request Document**  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Company Name:  
**Terracon - Downers Grove, IL**  
Street Address:  
**1401 Branding Avenue, Suite 315  
Downers Grove, IL 60515**  
City, State Zip:  
Customer Project #:  
Project Name: **A 2237020**  
Site Collection Info/Facility ID (as applicable):  
**STJMITIL-102323**  
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

Contact/Report To: **Steven R. Swenson**  
Phone #: **630-427-8110**  
E-Mail: **steves@st-ma.com; Rich.O'Brien@terracon.com**  
Cc E-Mail:  
Invoice to:  
Invoice E-Mail:  
Purchase Order # (if applicable):  
Quote #:  
State origin of sample(s):



Scan QR code for instructions

Data Deliverables:  
[ ] Level II [ ] Level III [ ] Level IV  
[ ] EQUIS  
[ ] Other \_\_\_\_\_

Regulatory Program (CAA, RCRA, etc.) as applicable:  
Rush (Pre-approval required):  
 2 Day  3 day  5 day Other \_\_\_\_\_  
Permit # as applicable:  
Date Results Requested:  
Units for Reporting: ug/m<sup>3</sup> PPBV mg/m<sup>3</sup> PPMV

\* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m <sup>3</sup> /min or L/min)	Total Volume Sampled (m <sup>3</sup> or L)	TO-15 Summa
				Date	Time	Date	Time						
				SG-11 / 103023	SV	20507	22313						
SG-12 / 103023	SV	20479	12809		1351		1359	-25	-3				X
DUP-001 / 103023	SV	20585	22612					-28	-3				X

Field Information		Canister		PUF / FILTER		TO-15 Summa
		Pressure / Vacuum				
Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m <sup>3</sup> /min or L/min)	Total Volume Sampled (m <sup>3</sup> or L)		
						X
						X
						X
						X

Analyses Requested

Proj. Manager:  
**341 - John Hawkins**  
AcctNum / Client ID:  
**STJMITIL**  
Table #:  
Profile / Template:  
**T240530**  
Prelog / Bottle Ord. ID:  
**P1032690**

Lab Use Only

4672038  
Sample Comment

Customer Remarks / Special Conditions / Possible Hazards:  
**VOCs + Naphthalene**

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: **10/24/23**  
Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: **10-30-23**  
Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Collected By: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Received by/Company: (Signature) \_\_\_\_\_  
Received by/Company: (Signature) \_\_\_\_\_  
Received by/Company: (Signature) \_\_\_\_\_  
Received by/Company: (Signature) \_\_\_\_\_  
Received by/Company: (Signature) \_\_\_\_\_

Additional Instructions from Pace\*:  
# Coolers: \_\_\_\_\_ Thermometer ID: \_\_\_\_\_ Correction Factor (°C): \_\_\_\_\_ Obs. Temp. (°C): \_\_\_\_\_ Corrected Temp. (°C): \_\_\_\_\_  
Tracking Number:  
Delivered by: In-Person Courier  
FedEX UPS Other

## Terracon - Glendale Heights

Sample Delivery Group: L1673092  
Samples Received: 11/02/2023  
Project Number: A2237020  
Description:

Report To: Steven R. Swenson  
1401 Branding Avenue, Suite 315  
Downers Grove, IL 60515

Entire Report Reviewed By:



John Hawkins  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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# SAMPLE SUMMARY

SG-01/110123 L1673092-01 Air

Collected by  
 Collected date/time 11/01/23 14:57  
 Received date/time 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163948	1	11/04/23 00:57	11/04/23 00:57	GH	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

SG-15/110123 L1673092-02 Air

Collected by  
 Collected date/time 11/01/23 14:39  
 Received date/time 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2163948	1	11/04/23 01:37	11/04/23 01:37	GH	Mt. Juliet, TN

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



John Hawkins  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.12	5.04		1	<a href="#">WG2163948</a>
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	<a href="#">WG2163948</a>
Benzene	71-43-2	78.10	0.200	0.639	0.332	1.06		1	<a href="#">WG2163948</a>
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	<a href="#">WG2163948</a>
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	<a href="#">WG2163948</a>
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	<a href="#">WG2163948</a>
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	<a href="#">WG2163948</a>
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	<a href="#">WG2163948</a>
Carbon disu fide	75-15-0	76.10	0.200	0.622	1.61	5.01		1	<a href="#">WG2163948</a>
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	<a href="#">WG2163948</a>
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	<a href="#">WG2163948</a>
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	<a href="#">WG2163948</a>
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	<a href="#">WG2163948</a>
Chloromethane	74-87-3	50.50	0.200	0.413	0.306	0.632		1	<a href="#">WG2163948</a>
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	<a href="#">WG2163948</a>
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	<a href="#">WG2163948</a>
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	<a href="#">WG2163948</a>
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	<a href="#">WG2163948</a>
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	<a href="#">WG2163948</a>
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	<a href="#">WG2163948</a>
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	<a href="#">WG2163948</a>
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	<a href="#">WG2163948</a>
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	<a href="#">WG2163948</a>
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2163948</a>
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2163948</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	<a href="#">WG2163948</a>
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	<a href="#">WG2163948</a>
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	<a href="#">WG2163948</a>
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	<a href="#">WG2163948</a>
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	<a href="#">WG2163948</a>
Ethanol	64-17-5	46.10	2.50	4.71	5.57	10.5	B	1	<a href="#">WG2163948</a>
Ethylbenzene	100-41-4	106	0.200	0.867	0.483	2.09		1	<a href="#">WG2163948</a>
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.371	1.82		1	<a href="#">WG2163948</a>
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.228	1.28		1	<a href="#">WG2163948</a>
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.444	2.20		1	<a href="#">WG2163948</a>
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	<a href="#">WG2163948</a>
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	<a href="#">WG2163948</a>
Heptane	142-82-5	100	0.200	0.818	0.731	2.99		1	<a href="#">WG2163948</a>
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	<a href="#">WG2163948</a>
n-Hexane	110-54-3	86.20	0.630	2.22	2.40	8.46		1	<a href="#">WG2163948</a>
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	<a href="#">WG2163948</a>
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	<a href="#">WG2163948</a>
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	<a href="#">WG2163948</a>
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	<a href="#">WG2163948</a>
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	<a href="#">WG2163948</a>
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	<a href="#">WG2163948</a>
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	<a href="#">WG2163948</a>
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	<a href="#">WG2163948</a>
2-Propanol	67-63-0	60.10	1.25	3.07	2.19	5.38		1	<a href="#">WG2163948</a>
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	<a href="#">WG2163948</a>
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	<a href="#">WG2163948</a>
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	<a href="#">WG2163948</a>
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.247	1.68		1	<a href="#">WG2163948</a>
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	<a href="#">WG2163948</a>
Toluene	108-88-3	92.10	0.500	1.88	1.25	4.71		1	<a href="#">WG2163948</a>
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	<a href="#">WG2163948</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163948</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163948</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163948</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.261	1.28		1	<a href="#">WG2163948</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163948</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163948</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163948</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163948</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163948</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.58	6.86		1	<a href="#">WG2163948</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	1.13	4.90		1	<a href="#">WG2163948</a>
o-Xylene	95-47-6	106	0.200	0.867	0.448	1.94		1	<a href="#">WG2163948</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				<a href="#">WG2163948</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.94	4.61		1	WG2163948
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2163948
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2163948
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2163948
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2163948
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2163948
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2163948
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2163948
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.39	4.33		1	WG2163948
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2163948
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2163948
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2163948
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2163948
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2163948
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2163948
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2163948
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2163948
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2163948
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2163948
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2163948
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2163948
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2163948
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2163948
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2163948
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2163948
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2163948
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2163948
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2163948
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2163948
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2163948
Ethanol	64-17-5	46.10	2.50	4.71	4.71	8.88	B	1	WG2163948
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2163948
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2163948
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2163948
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.291	1.44		1	WG2163948
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2163948
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2163948
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2163948
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2163948
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2163948
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2163948
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2163948
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2163948
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2163948
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2163948
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2163948
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2163948
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2163948
2-Propanol	67-63-0	60.10	1.25	3.07	2.15	5.28		1	WG2163948
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2163948
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2163948
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2163948
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2163948
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2163948
Toluene	108-88-3	92.10	0.500	1.88	0.769	2.90		1	WG2163948
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2163948

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2163948</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2163948</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2163948</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2163948</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2163948</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2163948</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2163948</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2163948</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2163948</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2163948</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2163948</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2163948</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.8				<a href="#">WG2163948</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3995477-3 11/03/23 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disu fide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	1.31	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3995477-3 11/03/23 10:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	100			60.0-140

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995477-1 11/03/23 09:17 • (LCSD) R3995477-2 11/03/23 09:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.40	3.46	90.7	92.3	70.0-130			1.75	25
Allyl chloride	3.75	4.53	3.81	121	102	70.0-130			17.3	25
Benzene	3.75	3.42	3.38	91.2	90.1	70.0-130			1.18	25
Benzyl Chloride	3.75	3.17	3.27	84.5	87.2	70.0-152			3.11	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995477-1 11/03/23 09:17 • (LCSD) R3995477-2 11/03/23 09:58

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.46	3.42	92.3	91.2	70.0-130			1.16	25
Bromoform	3.75	3.39	3.48	90.4	92.8	70.0-130			2.62	25
Bromomethane	3.75	3.63	3.43	96.8	91.5	70.0-130			5.67	25
1,3-Butadiene	3.75	3.14	3.03	83.7	80.8	70.0-130			3.57	25
Carbon disulfide	3.75	3.52	3.55	93.9	94.7	70.0-130			0.849	25
Carbon tetrachloride	3.75	3.48	3.57	92.8	95.2	70.0-130			2.55	25
Chlorobenzene	3.75	3.55	3.51	94.7	93.6	70.0-130			1.13	25
Chloroethane	3.75	3.56	3.75	94.9	100	70.0-130			5.20	25
Chloroform	3.75	3.47	3.33	92.5	88.8	70.0-130			4.12	25
Chloromethane	3.75	3.41	3.15	90.9	84.0	70.0-130			7.93	25
2-Chlorotoluene	3.75	3.43	3.41	91.5	90.9	70.0-130			0.585	25
Cyclohexane	3.75	3.46	3.45	92.3	92.0	70.0-130			0.289	25
Dibromochloromethane	3.75	3.43	3.43	91.5	91.5	70.0-130			0.000	25
1,2-Dibromoethane	3.75	3.44	3.35	91.7	89.3	70.0-130			2.65	25
1,2-Dichlorobenzene	3.75	3.43	3.48	91.5	92.8	70.0-130			1.45	25
1,3-Dichlorobenzene	3.75	3.50	3.45	93.3	92.0	70.0-130			1.44	25
1,4-Dichlorobenzene	3.75	3.48	3.43	92.8	91.5	70.0-130			1.45	25
1,2-Dichloroethane	3.75	3.54	3.55	94.4	94.7	70.0-130			0.282	25
1,1-Dichloroethane	3.75	3.47	3.54	92.5	94.4	70.0-130			2.00	25
1,1-Dichloroethene	3.75	3.34	3.43	89.1	91.5	70.0-130			2.66	25
cis-1,2-Dichloroethene	3.75	3.53	3.58	94.1	95.5	70.0-130			1.41	25
trans-1,2-Dichloroethene	3.75	3.46	3.37	92.3	89.9	70.0-130			2.64	25
1,2-Dichloropropane	3.75	3.58	3.49	95.5	93.1	70.0-130			2.55	25
cis-1,3-Dichloropropene	3.75	3.51	3.49	93.6	93.1	70.0-130			0.571	25
trans-1,3-Dichloropropene	3.75	3.31	3.36	88.3	89.6	70.0-130			1.50	25
1,4-Dioxane	3.75	3.89	3.75	104	100	70.0-140			3.66	25
Ethanol	3.75	4.55	4.46	121	119	55.0-148			2.00	25
Ethylbenzene	3.75	3.38	3.40	90.1	90.7	70.0-130			0.590	25
4-Ethyltoluene	3.75	3.30	3.43	88.0	91.5	70.0-130			3.86	25
Trichlorofluoromethane	3.75	3.47	3.43	92.5	91.5	70.0-130			1.16	25
Dichlorodifluoromethane	3.75	3.55	3.62	94.7	96.5	64.0-139			1.95	25
1,1,2-Trichlorotrifluoroethane	3.75	3.47	3.42	92.5	91.2	70.0-130			1.45	25
1,2-Dichlorotetrafluoroethane	3.75	3.32	3.39	88.5	90.4	70.0-130			2.09	25
Heptane	3.75	3.35	3.45	89.3	92.0	70.0-130			2.94	25
Hexachloro-1,3-butadiene	3.75	3.48	3.53	92.8	94.1	70.0-151			1.43	25
n-Hexane	3.75	3.49	3.51	93.1	93.6	70.0-130			0.571	25
Isopropylbenzene	3.75	3.42	3.48	91.2	92.8	70.0-130			1.74	25
Methylene Chloride	3.75	3.34	3.36	89.1	89.6	70.0-130			0.597	25
Methyl Butyl Ketone	3.75	3.48	3.37	92.8	89.9	70.0-149			3.21	25
2-Butanone (MEK)	3.75	3.35	3.11	89.3	82.9	70.0-130			7.43	25

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3995477-1 11/03/23 09:17 • (LCSD) R3995477-2 11/03/23 09:58

Analyte	Spike Amount ppbv	LCS Resu t ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qua ifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.48	3.38	92.8	90.1	70.0-139			2.92	25
Methyl methacrylate	3.75	3.08	3.00	82.1	80.0	70.0-130			2.63	25
MTBE	3.75	3.40	3.35	90.7	89.3	70.0-130			1.48	25
Naphthalene	3.75	3.46	3.62	92.3	96.5	70.0-159			4.52	25
2-Propanol	3.75	3.70	3.72	98.7	99.2	70.0-139			0.539	25
Propene	3.75	3.25	3.32	86.7	88.5	64.0-144			2.13	25
Styrene	3.75	3.46	3.39	92.3	90.4	70.0-130			2.04	25
1,1,2,2-Tetrachloroethane	3.75	3.42	3.48	91.2	92.8	70.0-130			1.74	25
Tetrachloroethylene	3.75	3.94	3.72	105	99.2	70.0-130			5.74	25
Tetrahydrofuran	3.75	3.54	3.45	94.4	92.0	70.0-137			2.58	25
Toluene	3.75	3.48	3.32	92.8	88.5	70.0-130			4.71	25
1,2,4-Trichlorobenzene	3.75	3.43	3.42	91.5	91.2	70.0-160			0.292	25
1,1,1-Trichloroethane	3.75	3.41	3.51	90.9	93.6	70.0-130			2.89	25
1,1,2-Trichloroethane	3.75	3.48	3.48	92.8	92.8	70.0-130			0.000	25
Trichloroethylene	3.75	3.50	3.32	93.3	88.5	70.0-130			5.28	25
1,2,4-Trimethylbenzene	3.75	3.39	3.46	90.4	92.3	70.0-130			2.04	25
1,3,5-Trimethylbenzene	3.75	4.04	4.21	108	112	70.0-130			4.12	25
2,2,4-Trimethylpentane	3.75	3.46	3.45	92.3	92.0	70.0-130			0.289	25
Vinyl chloride	3.75	3.30	3.46	88.0	92.3	70.0-130			4.73	25
Vinyl Bromide	3.75	3.65	3.49	97.3	93.1	70.0-130			4.48	25
Vinyl acetate	3.75	3.33	3.24	88.8	86.4	70.0-130			2.74	25
Xylenes, Total	11.3	10.0	10.3	88.5	91.2	70.0-130			2.96	25
m&p-Xylene	7.50	6.65	6.82	88.7	90.9	70.0-130			2.52	25
o-Xylene	3.75	3.37	3.45	89.9	92.0	70.0-130			2.35	25
(S) 1,4-Bromofluorobenzene				98.3	101	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



# ACCREDITATIONS & LOCATIONS

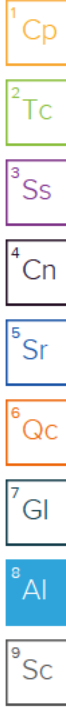
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name: **Terracon - Downers Grove, IL**  
 Street Address: **1401 Branding Avenue, Suite 315 Downers Grove, IL 60515**  
 City, State Zip:  
 Customer Project #: **A2237020**  
 Project Name:  
 Site Collection Info/Facility ID (as applicable): **STJMITTIL-102323**  
 Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET



**D027**

Scan QR code for instructions

Contact/Report To: **Steven R. Swenson**  
 Phone #: **630-427-8110**  
 E-Mail: **steves@st-ma.com; Rich.O'Brien@terracon.com**  
 Cc E-Mail:  
 Invoice to:  
 Invoice E-Mail:  
 Purchase Order # (if applicable):  
 Quote #:  
 State origin of sample(s):

Field Information										Analyses Requested			
Canister					PUF / FILTER					TO-15 Summa	Naphthalene	TJA 10/31/23	
Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m <sup>3</sup> /min or L/min)	Total Volume Sampled (m <sup>3</sup> or L)	Proj. Manager: <b>341 - John Hawkins</b>		AcctNum / Client ID: <b>STJMITTIL</b>						
										X	X	Table #: <b>Profile / Template: T241035</b>	
										X	X	Prelog / Bottle Ord. ID: <b>P1034797</b>	
										X	X	Sample Comment: <b>41673092</b>	
										X	X	Sample Comment: <b>-01</b>	
										X	X	Sample Comment: <b>-02</b>	

\* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m <sup>3</sup> /min or L/min)	Total Volume Sampled (m <sup>3</sup> or L)	TO-15 Summa	Naphthalene	Sample Comment
				Date	Time	Date	Time								
SG-01/110123	SV	20626	29124	11-23	1450	11/23	1457	-30	-3				X	X	-01
SG-15/110123	SV	20295	12924	11/23	1430	11/23	1439	-30	-3				X	X	-02
													X		
													X		

**Sample Receipt Checklist**  
 COC Seal Present/Intact:  N  
 COC Signed/Accurate:  N Size:  1L  
 Bottles arrive intact:  N Tague Color: G  W  
 Correct bottles used:  N  
 Sufficient volume sent:  N T/P#:   
 RA Screen <0.5 mR/hr:  N  
 TAKA 6727 1906 0844

Customer Remarks / Special Conditions / Possible Hazards: **VOC + Naphthalene**  
 Collected By: **Brona Taylor**  
 Printed Name: **Brona Taylor**  
 Signature: *[Signature]*  
 Additional Instructions from Pace\*:  
 # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C):

Relinquished by/Company: (Signature) <i>[Signature]</i>	Date/Time: <b>11-1-23</b>	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: In-Person Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	FedEX UPS Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: <b>11/02/23</b>	Page: <b>0900</b> of:

## Terracon - Glendale Heights

Sample Delivery Group: L1674630  
Samples Received: 11/01/2023  
Project Number: A2237020  
Description:

Report To: Steven R. Swenson  
1401 Branding Avenue, Suite 315  
Downers Grove, IL 60515

Entire Report Reviewed By:



John Hawkins  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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# SAMPLE SUMMARY

SG-13/103123 L1674630-01 Air

Collected by: B. Taylor  
 Collected date/time: 10/31/23 11:54  
 Received date/time: 11/01/23 09 00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2166100	1	11/08/23 00:25	11/08/23 00:25	DBB	Mt. Juliet, TN

1 Cp

2 Tc

SG-14/103123 L1674630-02 Air

Collected by: B. Taylor  
 Collected date/time: 10/31/23 12:36  
 Received date/time: 11/01/23 09 00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2166100	1	11/08/23 01 07	11/08/23 01 07	DBB	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2166956	10	11/08/23 11:51	11/08/23 11:51	DAH	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

DUP-002/103123 L1674630-03 Air

Collected by: B. Taylor  
 Collected date/time: 10/31/23 00:00  
 Received date/time: 11/01/23 09 00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2166100	1	11/08/23 01:48	11/08/23 01:48	DBB	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

9 Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



John Hawkins  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.13	12.2		1	WG2166100
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2166100
Benzene	71-43-2	78.10	0.200	0.639	0.210	0.671		1	WG2166100
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2166100
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2166100
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2166100
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2166100
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2166100
Carbon disu fide	75-15-0	76.10	0.200	0.622	14.4	44.8		1	WG2166100
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2166100
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2166100
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2166100
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2166100
Chloromethane	74-87-3	50.50	0.200	0.413	0.258	0.533		1	WG2166100
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2166100
Cyclohexane	110-82-7	84.20	0.200	0.689	0.914	3.15		1	WG2166100
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2166100
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2166100
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2166100
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2166100
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2166100
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2166100
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.248	0.994		1	WG2166100
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2166100
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2166100
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2166100
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2166100
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2166100
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2166100
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2166100
Ethanol	64-17-5	46.10	2.50	4.71	10.1	19.0	B	1	WG2166100
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2166100
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2166100
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2166100
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.284	1.40		1	WG2166100
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2166100
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2166100
Heptane	142-82-5	100	0.200	0.818	1.28	5.24		1	WG2166100
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2166100
n-Hexane	110-54-3	86.20	0.630	2.22	2.22	7.83		1	WG2166100
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2166100
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2166100
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2166100
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2166100
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2166100
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2166100
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2166100
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2166100
2-Propanol	67-63-0	60.10	1.25	3.07	7.34	18.0		1	WG2166100
Propene	115-07-1	42.10	1.25	2.15	15.9	27.4		1	WG2166100
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2166100
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2166100
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2166100
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2166100
Toluene	108-88-3	92.10	0.500	1.88	1.02	3.84		1	WG2166100
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2166100

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2166100</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2166100</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2166100</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2166100</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2166100</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2166100</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2166100</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2166100</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2166100</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2166100</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2166100</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2166100</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				<a href="#">WG2166100</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.74	8.89		1	WG2166100
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2166100
Benzene	71-43-2	78.10	0.200	0.639	0.560	1.79		1	WG2166100
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2166100
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2166100
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2166100
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2166100
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2166100
Carbon disu fide	75-15-0	76.10	0.200	0.622	3.17	9.87		1	WG2166100
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2166100
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2166100
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2166100
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2166100
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2166100
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2166100
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2166100
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2166100
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2166100
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2166100
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2166100
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2166100
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2166100
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2166100
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2166100
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2166100
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2166100
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2166100
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2166100
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2166100
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2166100
Ethanol	64-17-5	46.10	2.50	4.71	8.12	15.3	B	1	WG2166100
Ethylbenzene	100-41-4	106	0.200	0.867	0.988	4.28		1	WG2166100
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2166100
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2166100
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.241	1.19		1	WG2166100
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2166100
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2166100
Heptane	142-82-5	100	0.200	0.818	24.1	98.6		1	WG2166100
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2166100
n-Hexane	110-54-3	86.20	0.630	2.22	56.6	200		1	WG2166100
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2166100
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2166100
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2166100
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2166100
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2166100
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2166100
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2166100
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2166100
2-Propanol	67-63-0	60.10	1.25	3.07	8.13	20.0		1	WG2166100
Propene	115-07-1	42.10	12.5	21.5	152	262		10	WG2166956
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2166100
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2166100
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2166100
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2166100
Toluene	108-88-3	92.10	0.500	1.88	2.95	11.1		1	WG2166100
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2166100

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2166100</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2166100</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2166100</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.203	0.996		1	<a href="#">WG2166100</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2166100</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	<a href="#">WG2166100</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2166100</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2166100</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2166100</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.30	9.99		1	<a href="#">WG2166100</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	1.41	6.11		1	<a href="#">WG2166100</a>
o-Xylene	95-47-6	106	0.200	0.867	0.887	3.85		1	<a href="#">WG2166100</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				<a href="#">WG2166100</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.0				<a href="#">WG2166956</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.82	16.2		1	WG2166100
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2166100
Benzene	71-43-2	78.10	0.200	0.639	0.215	0.687		1	WG2166100
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2166100
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2166100
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2166100
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2166100
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2166100
Carbon disu fide	75-15-0	76.10	0.200	0.622	15.3	47.6		1	WG2166100
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2166100
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2166100
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2166100
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2166100
Chloromethane	74-87-3	50.50	0.200	0.413	0.420	0.867		1	WG2166100
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2166100
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2166100
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2166100
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2166100
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2166100
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2166100
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2166100
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2166100
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.258	1.03		1	WG2166100
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2166100
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2166100
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2166100
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2166100
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2166100
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2166100
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2166100
Ethanol	64-17-5	46.10	2.50	4.71	12.3	23.2		1	WG2166100
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2166100
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2166100
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2166100
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.293	1.45		1	WG2166100
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2166100
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2166100
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2166100
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2166100
n-Hexane	110-54-3	86.20	0.630	2.22	2.33	8.21		1	WG2166100
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2166100
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.434	1.51		1	WG2166100
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2166100
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2166100
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2166100
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2166100
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2166100
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2166100
2-Propanol	67-63-0	60.10	1.25	3.07	8.13	20.0		1	WG2166100
Propene	115-07-1	42.10	1.25	2.15	17.1	29.4		1	WG2166100
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2166100
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2166100
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2166100
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2166100
Toluene	108-88-3	92.10	0.500	1.88	1.35	5.09		1	WG2166100
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2166100

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Resu t ppbv	Resu t ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	<a href="#">WG2166100</a>
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	<a href="#">WG2166100</a>
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	<a href="#">WG2166100</a>
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	<a href="#">WG2166100</a>
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	<a href="#">WG2166100</a>
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.12	5.23		1	<a href="#">WG2166100</a>
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	<a href="#">WG2166100</a>
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	<a href="#">WG2166100</a>
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	<a href="#">WG2166100</a>
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	<a href="#">WG2166100</a>
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	<a href="#">WG2166100</a>
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	<a href="#">WG2166100</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				<a href="#">WG2166100</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3996920-3 11/07/23 11:01

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disu fide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	1.23	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3996920-3 11/07/23 11:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	98.8			60.0-140

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3996920-1 11/07/23 09:38 • (LCSD) R3996920-2 11/07/23 10:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.56	3.61	94.9	96.3	70.0-130			1.39	25
Allyl chloride	3.75	3.21	3.38	85.6	90.1	70.0-130			5.16	25
Benzene	3.75	3.75	3.67	100	97.9	70.0-130			2.16	25
Benzyl Chloride	3.75	3.61	3.67	96.3	97.9	70.0-152			1.65	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3996920-1 11/07/23 09:38 • (LCSD) R3996920-2 11/07/23 10:20

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.74	3.84	99.7	102	70.0-130			2.64	25
Bromoform	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
Bromomethane	3.75	3.74	3.61	99.7	96.3	70.0-130			3.54	25
1,3-Butadiene	3.75	3.22	3.36	85.9	89.6	70.0-130			4.26	25
Carbon disulfide	3.75	4.21	3.77	112	101	70.0-130			11.0	25
Carbon tetrachloride	3.75	3.81	3.70	102	98.7	70.0-130			2.93	25
Chlorobenzene	3.75	3.81	3.89	102	104	70.0-130			2.08	25
Chloroethane	3.75	3.51	3.55	93.6	94.7	70.0-130			1.13	25
Chloroform	3.75	3.72	3.57	99.2	95.2	70.0-130			4.12	25
Chloromethane	3.75	3.69	3.64	98.4	97.1	70.0-130			1.36	25
2-Chlorotoluene	3.75	3.64	3.89	97.1	104	70.0-130			6.64	25
Cyclohexane	3.75	3.85	3.70	103	98.7	70.0-130			3.97	25
Dibromochloromethane	3.75	3.72	3.86	99.2	103	70.0-130			3.69	25
1,2-Dibromoethane	3.75	3.69	3.81	98.4	102	70.0-130			3.20	25
1,2-Dichlorobenzene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
1,3-Dichlorobenzene	3.75	3.67	3.85	97.9	103	70.0-130			4.79	25
1,4-Dichlorobenzene	3.75	3.82	3.69	102	98.4	70.0-130			3.46	25
1,2-Dichloroethane	3.75	4.00	3.82	107	102	70.0-130			4.60	25
1,1-Dichloroethane	3.75	3.55	3.58	94.7	95.5	70.0-130			0.842	25
1,1-Dichloroethene	3.75	3.57	3.51	95.2	93.6	70.0-130			1.69	25
cis-1,2-Dichloroethene	3.75	3.72	3.67	99.2	97.9	70.0-130			1.35	25
trans-1,2-Dichloroethene	3.75	3.82	3.64	102	97.1	70.0-130			4.83	25
1,2-Dichloropropane	3.75	3.60	3.73	96.0	99.5	70.0-130			3.55	25
cis-1,3-Dichloropropene	3.75	3.79	3.75	101	100	70.0-130			1.06	25
trans-1,3-Dichloropropene	3.75	3.71	3.52	98.9	93.9	70.0-130			5.26	25
1,4-Dioxane	3.75	3.65	3.75	97.3	100	70.0-140			2.70	25
Ethanol	3.75	4.29	4.45	114	119	55.0-148			3.66	25
Ethylbenzene	3.75	3.64	3.53	97.1	94.1	70.0-130			3.07	25
4-Ethyltoluene	3.75	3.71	3.73	98.9	99.5	70.0-130			0.538	25
Trichlorofluoromethane	3.75	3.87	3.70	103	98.7	70.0-130			4.49	25
Dichlorodifluoromethane	3.75	3.68	3.53	98.1	94.1	64.0-139			4.16	25
1,1,2-Trichlorotrifluoroethane	3.75	3.62	3.68	96.5	98.1	70.0-130			1.64	25
1,2-Dichlorotetrafluoroethane	3.75	3.70	3.64	98.7	97.1	70.0-130			1.63	25
Heptane	3.75	3.73	3.72	99.5	99.2	70.0-130			0.268	25
Hexachloro-1,3-butadiene	3.75	3.84	3.86	102	103	70.0-151			0.519	25
n-Hexane	3.75	3.50	3.67	93.3	97.9	70.0-130			4.74	25
Isopropylbenzene	3.75	3.71	3.77	98.9	101	70.0-130			1.60	25
Methylene Chloride	3.75	3.60	3.46	96.0	92.3	70.0-130			3.97	25
Methyl Butyl Ketone	3.75	3.59	3.73	95.7	99.5	70.0-149			3.83	25
2-Butanone (MEK)	3.75	3.51	3.57	93.6	95.2	70.0-130			1.69	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3996920-1 11/07/23 09:38 • (LCSD) R3996920-2 11/07/23 10:20

Analyte	Spike Amount ppbv	LCS Resu t ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qua ifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.65	3.67	97.3	97.9	70.0-139			0.546	25
Methyl methacrylate	3.75	3.38	3.45	90.1	92.0	70.0-130			2.05	25
MTBE	3.75	3.51	3.42	93.6	91.2	70.0-130			2.60	25
Naphthalene	3.75	3.77	3.82	101	102	70.0-159			1.32	25
2-Propanol	3.75	3.64	3.83	97.1	102	70.0-139			5.09	25
Propene	3.75	3.58	3.54	95.5	94.4	64.0-144			1.12	25
Styrene	3.75	3.65	3.70	97.3	98.7	70.0-130			1.36	25
1,1,2,2-Tetrachloroethane	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
Tetrachloroethylene	3.75	4.07	3.94	109	105	70.0-130			3.25	25
Tetrahydrofuran	3.75	3.77	3.54	101	94.4	70.0-137			6.29	25
Toluene	3.75	3.66	3.68	97.6	98.1	70.0-130			0.545	25
1,2,4-Trichlorobenzene	3.75	3.70	3.64	98.7	97.1	70.0-160			1.63	25
1,1,1-Trichloroethane	3.75	3.78	3.65	101	97.3	70.0-130			3.50	25
1,1,2-Trichloroethane	3.75	3.71	3.65	98.9	97.3	70.0-130			1.63	25
Trichloroethylene	3.75	3.57	3.69	95.2	98.4	70.0-130			3.31	25
1,2,4-Trimethylbenzene	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
1,3,5-Trimethylbenzene	3.75	4.55	4.57	121	122	70.0-130			0.439	25
2,2,4-Trimethylpentane	3.75	3.68	3.58	98.1	95.5	70.0-130			2.75	25
Vinyl chloride	3.75	3.62	3.25	96.5	86.7	70.0-130			10.8	25
Vinyl Bromide	3.75	3.92	3.75	105	100	70.0-130			4.43	25
Vinyl acetate	3.75	3.23	3.24	86.1	86.4	70.0-130			0.309	25
Xylenes, Total	11.3	11.0	11.1	97.3	98.2	70.0-130			0.905	25
m&p-Xylene	7.50	7.38	7.26	98.4	96.8	70.0-130			1.64	25
o-Xylene	3.75	3.62	3.80	96.5	101	70.0-130			4.85	25
(S) 1,4-Bromofluorobenzene				99.2	98.4	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3997138-3 11/08/23 10:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Propene	U		0.0932	1.25
(S) 1,4-Bromofluorobenzene	94.6			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3997138-1 11/08/23 09:36 • (LCSD) R3997138-2 11/08/23 10:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Propene	3.75	3.34	3.32	89.1	88.5	64.0-144			0.601	25
(S) 1,4-Bromofluorobenzene				93.7	92.5	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# ACCREDITATIONS & LOCATIONS

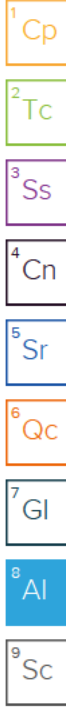
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Pace<sup>®</sup> Location Requested (City/State):

**Air CHAIN-OF-CUSTODY Analytical Request Document**  
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Company Name: **Terracon - Downers Grove, IL**  
Street Address: **1401 Branding Avenue, Suite 315  
Downers Grove, IL 60515**  
City, State Zip:  
Customer Project #: **A2237020**  
Project Name:

Contact/Report To: **Steven R. Swenson**  
Phone #: **630-427-8110**  
E-Mail: **steves@st-ma.com; Rich.O'Brien@terracon.com**  
Cc E-Mail:  
Invoice to:  
Invoice E-Mail:  
Purchase Order # (if applicable):  
Quote #:  
State origin of sample(s):



Scan QR code for instructions

Site Collection Info/Facility ID (as applicable):  
**STJMITIL-102323**

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

Data Deliverables:  
[ ] Level II [ ] Level III [ ] Level IV  
[ ] EQUIS  
[ ] Other

Regulatory Program (CAA, RCRA, etc.) as applicable:  
Rush (Pre-approval required): **2 Day** 3 day 5 day Other  
Permit # as applicable:  
Date Results Requested:  
Units for Reporting: ug/m<sup>3</sup> PPBV mg/m<sup>3</sup> PPMV

\* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m <sup>3</sup> /min or L/min)	Total Volume Sampled (m <sup>3</sup> or L)	TO-15 Summa
				Date	Time	Date	Time						
				SG-13/103123	SV	10664	29064						
SG-14/103123	SV	22049	22354		1229		1236	-29	-1				X
DUP-002/103123	SV	13926	28702		-		-	-30	-3				X

Field Information

Canister Pressure / Vacuum

Flow Rate	Total Volume
m <sup>3</sup> /min or L/min	m <sup>3</sup> or L

Analyses Requested

**AN 10/30/23**

Proj. Manager: **341 - John Hawkins**  
Acct/Num / Client ID:  
**STJMITIL**  
Table #:  
Profile / Template: **T240732**  
Prelog / Bottle Ord. ID: **P1034550**

Sample Comment

**11671630-01**  
**02**  
**03**

Customer Remarks / Special Conditions / Possible Hazards:  
**VOC's + Naphthalene**

Collected By: **B. Taylor**  
Printed Name: **Brennan Taylor**  
Signature: *[Signature]*

Additional Instructions from Pace<sup>®</sup>:  
# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C):

Relinquished by/Company: (Signature) *[Signature]* Date/Time: **10-31-23**  
Relinquished by/Company: (Signature)  
Relinquished by/Company: (Signature)  
Relinquished by/Company: (Signature)

Received by/Company: (Signature)  
Received by/Company: (Signature)  
Received by/Company: (Signature)  
Received by/Company: (Signature)

Tracking Number:  
Delivered by: In-Person Courier  
FedEX UPS Other  
Page: of:



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 01, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23100951 Revision 1

RE: A2237020, Brighton Park, 3710 S. California

Dear Terracon Consultants, Inc.:

Sterling Labs received 7 samples for the referenced project on 10/30/2023 4:50:00 PM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the last report revision.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met AIHA-LAP, LLC, EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. Sample acceptance criteria has been met unless noted in the Case Narrative or Sample Receipt Checklist. Sample results have not been corrected for field blank or other analytical blank, unless noted in the case narrative. If required, an estimate of uncertainty for the analyses can be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Chawla", written over a horizontal line.

Craig Chawla  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*

---

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3710 S. California  
**Work Order:** 23100951 Revision 1

## Work Order Sample Summary

---

Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23100951-001A	SG-01	6 L	10/30/2023 12:52:00 PM	10/30/2023
23100951-002A	SG-02	6 L	10/30/2023 1:33:00 PM	10/30/2023
23100951-003A	SG-03	6 L	10/30/2023 2:22:00 PM	10/30/2023
23100951-004A	Method Blank 1		10/30/2023 2:36:00 PM	10/30/2023
23100951-005A	SG-04	6 L	10/30/2023 3:36:00 PM	10/30/2023
23100951-006A	SG-05	6 L	10/30/2023 4:14:00 PM	10/30/2023
23100951-007A	Dup-001	6 L	10/30/2023	10/30/2023



Date Reported: November 01, 2023  
 Date Printed: November 01, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3710 S. California **Work Order:** 23100951 Revision 1

**Lab ID:** 23100951-001 **Collection Date:** 10/30/2023 12:52:00 PM  
**Customer Sample ID:** SG-01 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	10/31/2023

**Lab ID:** 23100951-002 **Collection Date:** 10/30/2023 1:33:00 PM  
**Customer Sample ID:** SG-02 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	10/31/2023

**Lab ID:** 23100951-003 **Collection Date:** 10/30/2023 2:22:00 PM  
**Customer Sample ID:** SG-03 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	10/31/2023

**Lab ID:** 23100951-004 **Collection Date:** 10/30/2023 2:36:00 PM  
**Customer Sample ID:** Method Blank 1 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>	
Mercury	ND	0.025		µg/tube	1	10/31/2023

**Lab ID:** 23100951-005 **Collection Date:** 10/30/2023 3:36:00 PM  
**Customer Sample ID:** SG-04 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	10/31/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



Date Reported: November 01, 2023  
 Date Printed: November 01, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3710 S. California **Work Order:** 23100951 Revision 1

**Lab ID:** 23100951-006 **Collection Date:** 10/30/2023 4:14:00 PM  
**Customer Sample ID:** SG-05 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>					Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	10/31/2023

**Lab ID:** 23100951-007 **Collection Date:** 10/30/2023  
**Customer Sample ID:** Dup-001 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>					Prep Date: <b>10/31/2023</b> Analyst: <b>SH</b>
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	10/31/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded







### Sample Receipt Checklist

Customer: **TERRACON-CHICAGO**

Date and Time Received: **10/30/2023 4:50:00 PM**

Work Order Number **23100951**

Received by: **CC**

Checklist completed by: \_\_\_\_\_

Signature

10/30/2023  
Date

Reviewed by: MP

Initials

10/31/2023  
Date

Matrix:

Carrier name Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature Ambient °C
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer /  
Person  
contacted:

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RE: A2237020, Brighton Park, 3710 S. California 23100951

O'Brien, Richard M <Rich.O'Brien@terracon.com>

Wed 11/1/2023 8:56 AM

To: Craig Chawla <cchawla@TheSterlingLab.com>

Cc: Swenson, Steve R <steves@st-ma.com>; Salvatore Consolvi (salvatore2go@yahoo.com) <salvatore2go@yahoo.com>

Thanks for the mercury soil gas results Craig I was glad to see that they were no detection I noted that they are reported in ug/tube. Given that the pump was calibrated for 0.2 L/min and the samples ran for 30 minutes each, can you report the units as mg/m3 to match the IEPA SROs?

Thanks,

Richard O'Brien, PE  
Senior Environmental Engineer



650 West Lake Street, Suite 420 I Chicago, IL 60661  
D (312) 489 5501 O (312) 575 0014 I C (312) 443 2958  
[rmobrien@terracon.com](mailto:rmobrien@terracon.com) I [terracon.com](http://terracon.com)

*We're transforming the way you experience geotechnical engineering and environmental consulting! Click below for more info.*



---

**From:** Craig Chawla <cchawla@TheSterlingLab.com>  
**Sent:** Tuesday, October 31, 2023 8:49 PM  
**To:** O'Brien, Richard M <Rich.O'Brien@terracon.com>  
**Subject:** A2237020, Brighton Park, 3710 S. California 23100951

Hi Rich,  
Attached is the report for project A2237020, Brighton Park, 3710 S. California received 10/30/2023.

Craig Chawla  
Sterling Labs  
312-733-0551  
[cchawla@thesterlinglab.com](mailto:cchawla@thesterlinglab.com)  
TheSterlingLab.com

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**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23100951  
**Project:** A2237020, Brighton Park, 3710 S. California

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154075**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
HGLCSA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
HGLCSDA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
HGRLVA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
23100951-001A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-002A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-003A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-004A	Air		1	0	0	0.05	0.050	10/31/2023	10/31/2023
23100951-005A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-006A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-007A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100999-001A	Air		1	0	0	0.05	0.050	10/31/2023	11/1/2023
23100999-002A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-003A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-004A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-005A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-006A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-007A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-008A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-009A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-010A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-011A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-012A	Air		1	0	0	0.05	0.050	10/31/2023	11/1/2023
23100999-013A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBA1 10/31/23	ZZZZZ	MBLK	µg/tube	N6009M	10/31/2023	10/31/2023	CETAC 2_231031C	5976867				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0169	0.025									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSA1 10/31/23	ZZZZZ	LCS	µg/tube	N6009M	10/31/2023	10/31/2023	CETAC 2_231031C	5976868				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.125	0.025	0.125	0.0169	86.5	73	121	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSDA1 10/31/23	ZZZZZ	LCSD	µg/tube	N6009M	10/31/2023	10/31/2023	CETAC 2_231031C	5976869				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.129	0.025	0.125	0.0169	89.7	73	121	0.125	3.15	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100951  
**Project:** A2237020, Brighton Park, 3710 S. California

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231031C**

Sample ID: <b>ICV</b>	SampType: <b>ICV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 13:40</b>	SeqNo: <b>5976850</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00105	0.00020	0.001	0	105	90	110	0	0		
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Sample ID: <b>ICB</b>	SampType: <b>ICB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 13:41</b>	SeqNo: <b>5976852</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000007	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 13:59</b>	SeqNo: <b>5976863</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00219	0.00020	0.0025	0	87.6	80	120	0	0		
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Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:01</b>	SeqNo: <b>5976865</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000008	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>HG MBA1 10/31/23</b>	SampType: <b>MBLK</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:05</b>	SeqNo: <b>5976867</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0169	0.025									J
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Sample ID: <b>HGLCSA1 10/31/23</b>	SampType: <b>LCS</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:06</b>	SeqNo: <b>5976868</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.125	0.025	0.125	0.0169	86.5	73	121	0	0		
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<b>Qualifiers</b> ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD / %Diff out of accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100951  
**Project:** A2237020, Brighton Park, 3710 S. California

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231031C**

Sample ID: <b>HGLCSDA1 10/31/23</b>	SampType: <b>LCSD</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:08</b>	SeqNo: <b>5976869</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.129	0.025	0.125	0.0169	89.7	73	121	0.125	3.15	20	
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Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:12</b>	SeqNo: <b>5976871</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00222	0.00020	0.0025	0	88.8	80	120	0	0		
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Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:13</b>	SeqNo: <b>5976872</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000006	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>23100951-001A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>SG-01</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:15</b>	SeqNo: <b>5976873</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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Sample ID: <b>23100951-002A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>SG-02</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:17</b>	SeqNo: <b>5976874</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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Sample ID: <b>23100951-003A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>SG-03</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:19</b>	SeqNo: <b>5976875</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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<b>Qualifiers</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD / %Diff of 100% recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100951  
**Project:** A2237020, Brighton Park, 3710 S. California

# ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231031C**

Sample ID: <b>23100951-004A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>Method Blank 1</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:20</b>	SeqNo: <b>5976876</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.025

Sample ID: <b>23100951-005A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>SG-04</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:22</b>	SeqNo: <b>5976877</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.0042

Sample ID: <b>23100951-006A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>SG-05</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:24</b>	SeqNo: <b>5976879</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.0042

Sample ID: <b>23100951-007A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>Dup-001</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:25</b>	SeqNo: <b>5976880</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.0042

Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:27</b>	SeqNo: <b>5976881</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.00218 0.00020 0.0025 0 87.2 80 120 0 0

Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:29</b>	SeqNo: <b>5976882</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.000008 0.00020 0 0 0 0 0 0 0 0

**Qualifiers** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits R - RPD / %Diff of Spike and recovery limits E - Value above quantitation range  
 \* - Non Accredited Parameter H/HT - Holding Time Exceeded



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 02, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23100999 Revision 0  
RE: A2237020, Brighton Park, 3701 S. California, Chicago

Dear Terracon Consultants, Inc.:

Sterling Labs received 13 samples for the referenced project on 10/31/2023 4:55:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met AIHA-LAP, LLC, EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. Sample acceptance criteria has been met unless noted in the Case Narrative or Sample Receipt Checklist. If required, an estimate of uncertainty for the analyses can be provided. Sample results have not been corrected for contamination based on field blank or other analytical blank, unless noted in the case narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Chawla", written over a horizontal line.

Craig Chawla  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling Labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*





**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago  
**Work Order:** 23100999 Revision 0

### Work Order Sample Summary

Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23100999-001A	Field Blank #1		10/31/2023 7:45:00 AM	10/31/2023
23100999-002A	SG-07	6 L	10/31/2023 9:06:00 AM	10/31/2023
23100999-003A	SG-08	6 L	10/31/2023 9:43:00 AM	10/31/2023
23100999-004A	SG-09	6 L	10/31/2023 10:21:00 AM	10/31/2023
23100999-005A	SG-10	6 L	10/31/2023 10:58:00 AM	10/31/2023
23100999-006A	SG-11	6 L	10/31/2023 11:40:00 AM	10/31/2023
23100999-007A	SG-12	6 L	10/31/2023 12:17:00 AM	10/31/2023
23100999-008A	SG-13	6 L	10/31/2023 1:01:00 PM	10/31/2023
23100999-009A	SG-14	6 L	10/31/2023 2:13:00 PM	10/31/2023
23100999-010A	SG-15	6 L	10/31/2023 2:51:00 PM	10/31/2023
23100999-011A	DUP-002	6 L	10/31/2023 1:34:00 PM	10/31/2023
23100999-012A	Method Blank		10/31/2023 1:55:00 PM	10/31/2023
23100999-013A	SG-06	6 L	10/31/2023 3:39:00 PM	10/31/2023



**Date:** November 02, 2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago  
**Work Order:** 23100999 Revision 0

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## Case Narrative

For the following samples, the volume of air collected is 6 L per customer e-mail 11/01/2023:

SG-07 (23100999-002)

SG-08 (23100999-003)

SG-09 (23100999-004)

SG-10 (23100999-005)

SG-11 (23100999-006)

SG-12 (23100999-007)

SG-13 (23100999-008)

SG-14 (23100999-009)

SG-15 (23100999-010)

DUP-002 (23100999-011)

SG-06 (23100999-013)

The sample collection time for sample DUP-002 (23100999-011) is 13:34 per customer e-mail 11/01/2023.

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QC - Quality Control

MB - Method Blank

LCS(D) - Lab Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

RPD - Relative Percent Difference

VOC - Volatile Organic Compound

SVOC - Semi-Volatile Organic Compound

PNA/PAH - Polynuclear Aromatic Hydrocarbon

PCB - Polychlorinated Biphenyls



Date Reported: November 02, 2023  
 Date Printed: November 02, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago **Work Order:** 23100999 Revision 0

**Lab ID:** 23100999-001 **Collection Date:** 10/31/2023 7:45:00 AM  
**Customer Sample ID:** Field Blank #1 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023 Analyst: JB2	
Mercury	ND	0.025		µg/tube	1	11/1/2023

**Lab ID:** 23100999-002 **Collection Date:** 10/31/2023 9:06:00 AM  
**Customer Sample ID:** SG-07 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023 Analyst: JB2	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-003 **Collection Date:** 10/31/2023 9:43:00 AM  
**Customer Sample ID:** SG-08 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023 Analyst: JB2	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-004 **Collection Date:** 10/31/2023 10:21:00 AM  
**Customer Sample ID:** SG-09 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023 Analyst: JB2	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-005 **Collection Date:** 10/31/2023 10:58:00 AM  
**Customer Sample ID:** SG-10 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023 Analyst: JB2	
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 02, 2023  
 Date Printed: November 02, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago **Work Order:** 23100999 Revision 0

**Lab ID:** 23100999-006 **Collection Date:** 10/31/2023 11:40:00 AM  
**Customer Sample ID:** SG-11 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-007 **Collection Date:** 10/31/2023 12:17:00 AM  
**Customer Sample ID:** SG-12 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-008 **Collection Date:** 10/31/2023 1:01:00 PM  
**Customer Sample ID:** SG-13 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-009 **Collection Date:** 10/31/2023 2:13:00 PM  
**Customer Sample ID:** SG-14 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-010 **Collection Date:** 10/31/2023 2:51:00 PM  
**Customer Sample ID:** SG-15 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



Date Reported: November 02, 2023  
 Date Printed: November 02, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago **Work Order:** 23100999 Revision 0

**Lab ID:** 23100999-011 **Collection Date:** 10/31/2023 1:34:00 PM  
**Customer Sample ID:** DUP-002 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Lab ID:** 23100999-012 **Collection Date:** 10/31/2023 1:55:00 PM  
**Customer Sample ID:** Method Blank **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.025		µg/tube	1	11/1/2023

**Lab ID:** 23100999-013 **Collection Date:** 10/31/2023 3:39:00 PM  
**Customer Sample ID:** SG-06 **Matrix:** Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury in Air</b> AIHA LAP, LLC 101160	<b>N6009M</b>				Prep Date: 10/31/2023	Analyst: JB2
Mercury	ND	0.0042		mg/m <sup>3</sup>	1	11/1/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663  
 2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551  
 info@thesterlinglab.com

Page: 7 of 10

N<sup>o</sup>:

CHAIN OF CUSTODY RECORD

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
Field Blank #1	10/31/23	0745	SV	X	X		1		001
SG-07	10/31/23	0906	SV	X	X		1		002
SG-08	10/31/23	0943	SV	X	X		1		003
SG-09	10/31/23	1021	SV	X	X		1		004
SG-10	10/31/23	1058	SV	X	X		1		005
SG-11	10/31/23	1140	SV	X	X		1		006
SG-12	10/31/23	1217	SV	X	X		1		007
SG-13	10/31/23	1301	SV	X	X		1		008
SG-14	10/31/23	1413	SV	X	X		1		009
SG-15	10/31/23	1451	SV	X	X		1		010
Dmp - 002	10/31/23	3011	SV	X	X		1		012
Method Blank 2	10/31/23	1355	SV	X	X		1		013
SG-06	10/31/23	1539	SV	X	X		1		

P.O. No.:  
 Quote No.: 24hr TO  
 Turn Around Time (Days):  
 1 2 3 4 5-7 10  
 Results Needed: / / am/pm

Remarks:  
 Mercury  
 Tim's pump meter 04

Laboratory Work Order No.:  
23100999  
 Received on Ice: Yes  No   
 Temperature: AMBIENT

Comments: 1055

Relinquished by: (Signature) [Signature] Date/Time: 10/31/23 16:55  
 Received by: (Signature) [Signature] Date/Time: 10/31/23 16:55  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other



### Sample Receipt Checklist

Customer: **TERRACON-CHICAGO**

Date and Time Received: **10/31/2023 4:55:00 PM**

Work Order Number **23100999**

Received by: **CC**

Checklist completed by: [Signature] 10/31/2023  
Signature Date

Reviewed by: [Initials] 10/31/2023  
Initials Date

Matrix: Carrier name Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature Ambient °C
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154075**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
HGLCSA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
HGLCSDA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
HGRLVA1 10/31/23			1	0	0	0.05	0.050	10/31/2023	10/31/2023
23100951-001A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-002A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-003A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-004A	Air		1	0	0	0.05	0.050	10/31/2023	10/31/2023
23100951-005A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-006A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100951-007A	Air		6	0	0	0.05	0.008	10/31/2023	10/31/2023
23100999-001A	Air		1	0	0	0.05	0.050	10/31/2023	11/1/2023
23100999-002A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-003A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-004A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-005A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-006A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-007A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-008A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-009A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-010A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-011A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023
23100999-012A	Air		1	0	0	0.05	0.050	10/31/2023	11/1/2023
23100999-013A	Air		6	0	0	0.05	0.008	10/31/2023	11/1/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBA1 10/31/23	ZZZZZ	MBLK	µg/tube	N6009M	10/31/2023	10/31/2023	CETAC 2_231031C	5976867				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.0169	0.025									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSA1 10/31/23	ZZZZZ	LCS	µg/tube	N6009M	10/31/2023	10/31/2023	CETAC 2_231031C	5976868				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.125	0.025	0.125	0.0169	86.5	73	121	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSDA1 10/31/23	ZZZZZ	LCSD	µg/tube	N6009M	10/31/2023	10/31/2023	CETAC 2_231031C	5976869				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.129	0.025	0.125	0.0169	89.7	73	121	0.125	3.15	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231031C**

Sample ID: <b>ICV</b>	SampType: <b>ICV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 13:40</b>	SeqNo: <b>5976850</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00105	0.00020	0.001	0	105	90	110	0	0		
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Sample ID: <b>ICB</b>	SampType: <b>ICB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 13:41</b>	SeqNo: <b>5976852</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000007	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 13:59</b>	SeqNo: <b>5976863</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00219	0.00020	0.0025	0	87.6	80	120	0	0		
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Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:01</b>	SeqNo: <b>5976865</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000008	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>HGMB A1 10/31/23</b>	SampType: <b>MBLK</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:05</b>	SeqNo: <b>5976867</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0169	0.025									J
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Sample ID: <b>HGLCSA1 10/31/23</b>	SampType: <b>LCS</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:06</b>	SeqNo: <b>5976868</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.125	0.025	0.125	0.0169	86.5	73	121	0	0		
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<b>Qualifiers</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD / %Diff on Page 10 of 15 recovery limits
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded
		B - Analyte detected in the associated Method Blank
		E - Value above quantitation range

**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231031C**

Sample ID: <b>HGLCSDA1 10/31/23</b>	SampType: <b>LCSD</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>10/31/23 14:08</b>	SeqNo: <b>5976869</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.129	0.025	0.125	0.0169	89.7	73	121	0.125	3.15	20	
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Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:12</b>	SeqNo: <b>5976871</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00222	0.00020	0.0025	0	88.8	80	120	0	0		
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Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:13</b>	SeqNo: <b>5976872</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000006	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:27</b>	SeqNo: <b>5976881</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00218	0.00020	0.0025	0	87.2	80	120	0	0		
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Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231031C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203142</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>10/31/23 14:29</b>	SeqNo: <b>5976882</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000008	0.00020	0	0	0	0	0	0	0		
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<b>Qualifiers</b>	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD / %Diff on spike at or below recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231101C**

Sample ID: <b>ICV</b>	SampType: <b>ICV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 10:59</b>	SeqNo: <b>5977699</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00106	0.00020	0.001	0	106	90	110	0	0		
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Sample ID: <b>ICB</b>	SampType: <b>ICB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:01</b>	SeqNo: <b>5977700</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.000011	0.00020	0	0	0	0	0	0	0		
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Sample ID: <b>23100999-003A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>SG-08</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:06</b>	SeqNo: <b>5977703</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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Sample ID: <b>23100999-004A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>SG-09</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:07</b>	SeqNo: <b>5977704</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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Sample ID: <b>23100999-005A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>SG-10</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:09</b>	SeqNo: <b>5977705</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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Sample ID: <b>23100999-006A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>SG-11</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:11</b>	SeqNo: <b>5977706</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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<b>Qualifiers</b>	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD / %Diff of 100% recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231101C**

Sample ID: <b>23100999-007A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>SG-12</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:12</b>	SeqNo: <b>5977707</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0042

Sample ID: <b>23100999-008A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>SG-13</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:14</b>	SeqNo: <b>5977708</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0042

Sample ID: <b>23100999-009A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>SG-14</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:15</b>	SeqNo: <b>5977709</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0042

Sample ID: <b>23100999-010A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>SG-15</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:17</b>	SeqNo: <b>5977710</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0042

Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:19</b>	SeqNo: <b>5977711</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00236 0.00020 0.0025 0 94.4 80 120 0 0

Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:20</b>	SeqNo: <b>5977712</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00002 0.00020 0 0 0 0 0 0 0

**Qualifiers** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits R - RPD / %Diff of 13 or 15 recovery limits E - Value above quantitation range  
 \* - Non Accredited Parameter H/HT - Holding Time Exceeded

**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231101C**

Sample ID: <b>23100999-011A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>DUP-002</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:22</b>	SeqNo: <b>5977713</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0042

Sample ID: <b>23100999-012A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>Method Blank</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:24</b>	SeqNo: <b>5977714</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.025

Sample ID: <b>23100999-013A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>SG-06</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:25</b>	SeqNo: <b>5977715</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0042

Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:27</b>	SeqNo: <b>5977716</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.0023 0.00020 0.0025 0 92 80 120 0 0

Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:29</b>	SeqNo: <b>5977717</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00002 0.00020 0 0 0 0 0 0 0

Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:51</b>	SeqNo: <b>5977718</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00253 0.00020 0.0025 0 101 80 120 0 0

<b>Qualifiers</b>	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD / %Diff of 140% recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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**CLIENT:** Terracon Consultants, Inc.  
**Work Order:** 23100999  
**Project:** A2237020, Brighton Park, 3701 S. California, Chicago

## ANALYTICAL QC SUMMARY REPORT

**Run ID: CETAC 2\_231101C**

Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:53</b>	SeqNo: <b>5977719</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00002	0.00020	0	0	0	0	0	0	0	0	
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Sample ID: <b>23100999-001A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>µg/tube</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>Field Blank #1</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:54</b>	SeqNo: <b>5977720</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.025									
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Sample ID: <b>23100999-002A</b>	SampType: <b>SAMP</b>	TestCode: <b>M_HG_AIR</b>	Units: <b>mg/m³</b>	Prep Date: <b>10/31/23</b>	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>SG-07</b>	Batch ID: <b>154075</b>	TestNo: <b>N6009M</b>		Analysis Date: <b>11/01/23 11:56</b>	SeqNo: <b>5977721</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0042									
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Sample ID: <b>CCV</b>	SampType: <b>CCV</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:57</b>	SeqNo: <b>5977722</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00235	0.00020	0.0025	0	94	80	120	0	0		
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Sample ID: <b>CCB</b>	SampType: <b>CCB</b>	TestCode: <b>M_HG_WATE</b>	Units: <b>mg/L</b>	Prep Date:	Run ID: <b>CETAC 2_231101C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R203159</b>	TestNo: <b>SW7470A</b>		Analysis Date: <b>11/01/23 11:59</b>	SeqNo: <b>5977723</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00002	0.00020	0	0	0	0	0	0	0	0	
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<b>Qualifiers</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD / %Diff on spike recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 17, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23110413 Revision 0

RE: A2237020, Brighton Park, Chicago, IL

Dear Terracon Consultants, Inc.:

Sterling Labs received 1 sample for the referenced project on 11/14/2023 1:19:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / TNI standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Chawla", with a stylized flourish at the end.

Craig Chawla  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling Labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*



Date: November 17, 2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago, IL  
**Work Order:** 23110413 Revision 0

## Work Order Sample Summary

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Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23110413-001A	WC / 111423		11/14/2023 11:00:00 AM	11/14/2023
23110413-001B	WC / 111423		11/14/2023 11:00:00 AM	11/14/2023





Date: November 17, 2023

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago, IL  
**Work Order:** 23110413 Revision 0

## Case Narrative

The following parameters apply to sample WC / 111423 (23110413-001):

Reactivity with Water: None

Reactivity with Base: None

Reactivity with Acid: Sample effervesced with no temperature change

Odor: None

Physical Description: Black and brown soil with rocks

The Reactive Sulfide MS/MSD prepared from sample WC / 111423 (23110413-001) had recoveries and RPD outside of control limits (6.25%/18.2% recovery, QC Limits 50-150%; 97.9% RPD, QC Limit <30%).

QC - Quality Control

MB - Method Blank

LCS(D) - Lab Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

RPD - Relative Percent Difference

VOC - Volatile Organic Compound

SVOC - Semi-Volatile Organic Compound

PNA/PAH - Polynuclear Aromatic Hydrocarbon

PCB - Polychlorinated Biphenyls



**Report Date:** November 17, 2023  
**Print Date:** November 17, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** WC / 111423  
**Work Order:** 23110413 Revision 0 **Tag Number:**  
**Project:** A2237020, Brighton Park, Chicago, IL **Collection Date:** 11/14/2023 11:00:00 AM  
**Lab ID:** 23110413-001A **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**TCLP Volatile Organic Compounds by GC/MS SW1311/8260B (SW5030B) Prep Date: 11/14/2023 Analyst: EGH**  
 IEPA ELAP 100445

Benzene	ND	0.050		mg/L	10	11/15/2023
2-Butanone	ND	0.20		mg/L	10	11/15/2023
Carbon tetrachloride	ND	0.050		mg/L	10	11/15/2023
Chlorobenzene	ND	0.050		mg/L	10	11/15/2023
Chloroform	ND	0.050		mg/L	10	11/15/2023
1,2-Dichloroethane	ND	0.050		mg/L	10	11/15/2023
1,1-Dichloroethene	ND	0.050		mg/L	10	11/15/2023
Tetrachloroethene	ND	0.050		mg/L	10	11/15/2023
Trichloroethene	ND	0.050		mg/L	10	11/15/2023
Vinyl chloride	ND	0.050		mg/L	10	11/15/2023

**TCLP Semivolatile Organic Compounds SW1311/8270C (SW3510C) Prep Date: 11/15/2023 Analyst: TEM**  
 IEPA ELAP 100445

1,4-Dichlorobenzene	ND	0.010		mg/L	1	11/16/2023
2,4-Dinitrotoluene	ND	0.010		mg/L	1	11/16/2023
Hexachlorobenzene	ND	0.010		mg/L	1	11/16/2023
Hexachlorobutadiene	ND	0.010		mg/L	1	11/16/2023
Hexachloroethane	ND	0.010		mg/L	1	11/16/2023
Nitrobenzene	ND	0.010		mg/L	1	11/16/2023
2-Methylphenol	ND	0.010		mg/L	1	11/16/2023
3- & 4-Methylphenol	ND	0.010		mg/L	1	11/16/2023
Pentachlorophenol	ND	0.050		mg/L	1	11/16/2023
Pyridine	ND	0.010		mg/L	1	11/16/2023
2,4,5-Trichlorophenol	ND	0.010		mg/L	1	11/16/2023
2,4,6-Trichlorophenol	ND	0.010		mg/L	1	11/16/2023

**PCBs SW8082A (SW3550B) Prep Date: 11/15/2023 Analyst: LV**  
 IEPA ELAP 100445

Aroclor 1016	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1221	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1232	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1242	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1248	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1254	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1260	ND	0.091		mg/Kg-dry	1	11/15/2023

**TCLP Pesticides SW1311/8081B (SW3510C) Prep Date: 11/15/2023 Analyst: GVC**  
 IEPA ELAP 100445

Chlordane	ND	0.0050		mg/L	1	11/15/2023
Endrin	ND	0.00050		mg/L	1	11/15/2023
gamma-BHC	ND	0.0025		mg/L	1	11/15/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Report Date:** November 17, 2023  
**Print Date:** November 17, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** WC / 111423  
**Work Order:** 23110413 Revision 0 **Tag Number:**  
**Project:** A2237020, Brighton Park, Chicago, IL **Collection Date:** 11/14/2023 11:00:00 AM  
**Lab ID:** 23110413-001A **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Pesticides</b>	<b>SW1311/8081B (SW3510C)</b>			Prep Date: 11/15/2023		Analyst: GVC
<i>IEPA ELAP 100445</i>						
Heptachlor	ND	0.00025		mg/L	1	11/15/2023
Heptachlor epoxide	ND	0.00025		mg/L	1	11/15/2023
Methoxychlor	ND	0.00025		mg/L	1	11/15/2023
Toxaphene	ND	0.0050		mg/L	1	11/15/2023
<b>Herbicides, TCLP Leached</b>	<b>SW1311/8321B (SW3510C)</b>			Prep Date: 11/15/2023		Analyst: MEP
<i>IEPA ELAP 100445</i>						
2,4,5-TP (Silvex)	ND	0.0010		mg/L	1	11/15/2023
2,4-D	ND	0.0020		mg/L	1	11/15/2023
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>			Prep Date: 11/15/2023		Analyst: MMR
<i>IEPA ELAP 100445</i>						
Arsenic	ND	0.010		mg/L	5	11/16/2023
Barium	0.33	0.050		mg/L	5	11/16/2023
Cadmium	ND	0.0050		mg/L	5	11/16/2023
Chromium	ND	0.010		mg/L	5	11/16/2023
Copper	ND	0.10		mg/L	5	11/16/2023
Lead	0.0079	0.0050		mg/L	5	11/16/2023
Nickel	0.028	0.010		mg/L	5	11/16/2023
Selenium	ND	0.010		mg/L	5	11/16/2023
Silver	ND	0.010		mg/L	5	11/16/2023
Zinc	0.36	0.050		mg/L	5	11/16/2023
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>			Prep Date: 11/16/2023		Analyst: JB2
<i>IEPA ELAP 100445</i>						
Mercury	ND	0.00020		mg/L	1	11/16/2023
<b>Cyanide, Reactive</b>	<b>SW7.3.3.2</b>			Prep Date: 11/15/2023		Analyst: MD
Reactive Cyanide	ND	1.0	*	mg/Kg	1	11/16/2023
<b>Sulfide, Reactive</b>	<b>SW7.3.4.2</b>			Prep Date: 11/14/2023		Analyst: MD
Reactive Sulfide	ND	10	*	mg/Kg	1	11/14/2023
<b>Phenolics</b>	<b>SW9066 (SW9065)</b>			Prep Date: 11/14/2023		Analyst: MD
<i>IEPA ELAP 100445</i>						
Phenolics, Total Recoverable	ND	0.57		mg/Kg-dry	1	11/14/2023
<b>pH (25 °C)</b>	<b>SW9045C</b>			Prep Date: 11/14/2023		Analyst: LJ1
<i>IEPA ELAP 100445</i>						
pH	7.97			pH Units	1	11/14/2023
<b>Flash Point (Open-Cup)</b>	<b>SW1010(M)</b>			Prep Date: 11/14/2023		Analyst: EAA
Flashpoint	No flash up to 212		*	°F	1	11/14/2023
<b>Percent Moisture</b>	<b>D2974</b>			Prep Date: 11/14/2023		Analyst: AS1

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Report Date:** November 17, 2023  
**Print Date:** November 17, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** WC / 111423  
**Work Order:** 23110413 Revision 0 **Tag Number:**  
**Project:** A2237020, Brighton Park, Chicago, IL **Collection Date:** 11/14/2023 11:00:00 AM  
**Lab ID:** 23110413-001A **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: <b>11/14/2023</b> Analyst: <b>AS1</b>
Percent Moisture	12.8	0.2	*	wt%	1	11/15/2023
<b>Solids, Total</b>	<b>D2974</b>					Prep Date: <b>11/14/2023</b> Analyst: <b>AS1</b>
Total Solid	87.2	0.2	*	wt%	1	11/15/2023
<b>Paint Filter</b>	<b>SW9095A</b>					Prep Date: <b>11/14/2023</b> Analyst: <b>EAA</b>
IEPA ELAP 100445						
Paint Filter	Pass			Pass/Fail	1	11/14/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded





### Sample Receipt Checklist

Customer: TERRACON-CHICAGO

Date and Time Received: 11/14/2023 1:19:00 PM

Work Order Number 23110413

Received by: JMH

Checklist completed by: [Signature] Date: 11/14/23

Reviewed by: [Initials] 11/15/2023

Matrix: Carrier name: Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature On Ice °C
- Water - VOA vials have zero headspace? No VOA vials submitted Yes  No  Checked by: \_\_\_\_\_
- Water - Samples pH checked? Yes  No  pH Adjusted? \_\_\_\_\_
- Water - Samples properly preserved? Yes  No

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## A2237020 - 3710 S. California WC Sample

O'Brien, Richard M <Rich.O'Brien@terracon.com>

Tue 11/14/2023 2:34 PM

To:Justice Kwateng <jkwateng@TheSterlingLab.com>;Craig Chawla <cchawla@TheSterlingLab.com>

Cc:Swenson, Steve R <steves@st-ma.com>

📎 1 attachments (367 KB)

COC - WC.jpg;

Hi Justice,

Regarding attached STAT COC No. 100467 submitted today for our A2237020 - 3710 S. California project, can you please analyze sample WC / 111423 for the following on your fastest turnaround:

-Code R plus PCBs

-TCLP Pesticides/Herbicides

Please advise approximately how fast results could be delivered.

Thanks,

Richard O'Brien, P.E.

Senior Environmental Engineer



650 West Lake Street, Suite 420 I Chicago, IL 60661

D (312) 489-5501 O: (312) 575-0014 I C (312) 443-2958

[rmobrien@terracon.com](mailto:rmobrien@terracon.com) I [terracon.com](http://terracon.com)

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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*Private and confidential as detailed here ([www.terracon.com/disclaimer](http://www.terracon.com/disclaimer)). If you cannot access the hyperlink, please e-mail sender.*



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 15, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23110402 Revision 0

RE: A2237020, Brighton Park, Chicago

Dear Terracon Consultants, Inc.:

Sterling Labs received 4 samples for the referenced project on 11/14/2023 11:50:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / TNI standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "Justice Kwateng", written in a cursive style.

Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. Sterling labs is not responsible for customer provided information found in the report that is used to calculate final results. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, Sterling Labs will be under no obligation to support, defend or discuss the analytical report.*





Date: November 15, 2023

---

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago  
**Work Order:** 23110402 Revision 0

## Work Order Sample Summary

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Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23110402-001A	SB-15-N5		11/14/2023 10:55:00 AM	11/14/2023
23110402-002A	SB-15-E5		11/14/2023 10:49:00 AM	11/14/2023
23110402-003A	SB-15-S5		11/14/2023 11:02:00 AM	11/14/2023
23110402-004A	SB-15-W5		11/14/2023 10:59:00 AM	11/14/2023



**Date:** November 15, 2023

---

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago  
**Work Order:** 23110402 Revision 0

---

## Case Narrative

Please refer to Analytical QC Summary Report for QC outliers.

---

QC - Quality Control  
MB - Method Blank  
LCS(D) - Lab Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
RPD - Relative Percent Difference

VOC - Volatile Organic Compound  
SVOC - Semi-Volatile Organic Compound  
PNA/PAH - Polynuclear Aromatic Hydrocarbon  
PCB - Polychlorinated Biphenyls



Date Reported: November 15, 2023  
 Date Printed: November 15, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago **Work Order:** 23110402 Revision 0

**Lab ID:** 23110402-001 **Collection Date:** 11/14/2023 10:55:00 AM  
**Customer Sample ID:** SB-15-N5 **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/14/2023 Analyst: JB2
Mercury	0.033	0.019		mg/Kg-dry	1	11/14/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/14/2023 Analyst: LJ1
pH	8.48			pH Units	1	11/14/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/14/2023 Analyst: AS1
	6.2	0.2	*	wt%	1	11/15/2023

**Lab ID:** 23110402-002 **Collection Date:** 11/14/2023 10:49:00 AM  
**Customer Sample ID:** SB-15-E5 **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/14/2023 Analyst: JB2
Mercury	0.050	0.023		mg/Kg-dry	1	11/14/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/14/2023 Analyst: LJ1
pH	7.46			pH Units	1	11/14/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/14/2023 Analyst: AS1
	23.1	0.2	*	wt%	1	11/15/2023

**Lab ID:** 23110402-003 **Collection Date:** 11/14/2023 11:02:00 AM  
**Customer Sample ID:** SB-15-S5 **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445	<b>SW7471B</b>					Prep Date: 11/14/2023 Analyst: JB2
Mercury	0.036	0.021		mg/Kg-dry	1	11/14/2023
<b>pH (25 °C)</b> IEPA ELAP 100445	<b>SW9045C</b>					Prep Date: 11/14/2023 Analyst: LJ1
pH	7.53			pH Units	1	11/14/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b>					Prep Date: 11/14/2023 Analyst: AS1
	17.2	0.2	*	wt%	1	11/15/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter  
 RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Date Reported:** November 15, 2023  
**Date Printed:** November 15, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago **Work Order:** 23110402 Revision 0

**Lab ID:** 23110402-004 **Collection Date:** 11/14/2023 10:59:00 AM  
**Customer Sample ID:** SB-15-W5 **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Mercury</b> IEPA ELAP 100445 Mercury	<b>SW7471B</b> 0.058	0.021		mg/Kg-dry	1	11/14/2023
<b>pH (25 °C)</b> IEPA ELAP 100445 pH	<b>SW9045C</b> 7.59			pH Units	1	11/14/2023
<b>Percent Moisture</b> Percent Moisture	<b>D2974</b> 20.8	0.2	*	wt%	1	11/15/2023

Prep Date: 11/14/2023 Analyst: JB2

Prep Date: 11/14/2023 Analyst: LJ1

Prep Date: 11/14/2023 Analyst: AS1

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded



509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663  
 2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551  
 info@thesterlinglab.com

**CHAIN OF CUSTODY RECORD**

N<sup>o</sup>:

Page: 1 of 1

Company: Terracon		Client Tracking No.:	
Project Number: A2237020			
Project Name: Brighton Park			
Project Location: Chicago			
Sampler(s): Brennan Taylor			
Report To: Steve Swenson		Phone: 6304278100	
QC Level: 1 2 3 <input checked="" type="checkbox"/> 4		Fax:	
Client Sample Number/Description:		Date Taken	Time Taken
SB-15-W5		11-14-23	1055
SB-15-E5		11-14-23	1049
SB-15-S5		11-14-23	1102
SB-15-W5		11-14-23	1059
Matrix		Comp.	Grab
S		X	X
S		X	X
S		X	X
S		X	X
No. of Containers		Preserv.	Remarks
1			
1			
1			
1			
Lab No.:		am/pm	
001			
002			
003			
004			
Turn-Around Time (Days):		Results Needed:	
1 2 3 4 5-7 10		/ /	
P.O. No.:		Laboratory Work Order No.:	
		23110402	
Quote No.:		Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Temperature: 0 in ice °C	
Comments:		ROSH TAT	
Relinquished by: (Signature)		Date/Time:	11-14-23 11:12
Received by: (Signature)		Date/Time:	11-14-23 11:5
Relinquished by: (Signature)		Date/Time:	11/14/23 11:50
Received by: (Signature)		Date/Time:	
Relinquished by: (Signature)		Date/Time:	
Received by: (Signature)		Date/Time:	



### Sample Receipt Checklist

Customer: TERRACON-CHICAGO

Date and Time Received: 11/14/2023 11:50:00 AM

Work Order Number 23110402

Received by: JMH

Checklist completed by: [Signature] | 11/14/23  
Signature | Date

Reviewed by: [Initials] | 11/14/2023  
Initials | Date

Matrix: Carrier name: Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature On Ice °C
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110402  
**Project:** A2237020, Brighton Park, Chicago

**Analytical QC Summary Report**  
**Metals**  
**BatchID: R203562**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5989829	ICV	ICV	M_HG_SOLID	R203562	1	11/14/2023 15:04
5989832	ICB	ICB	M_HG_SOLID	R203562	1	11/14/2023 15:17
5989833	HGMBS1 11/14/23	MBLK	M_HG_SOLID	154404	1	11/14/2023 15:18
5989834	HGLCSS1 11/14/23	LCS	M_HG_SOLID	154404	1	11/14/2023 15:20
5989835	23110402-001A	SAMP	M_HG_SOLID	154404	1	11/14/2023 15:21
5989836	23110402-002A	SAMP	M_HG_SOLID	154404	1	11/14/2023 15:23
5989837	23110402-003A	SAMP	M_HG_SOLID	154404	1	11/14/2023 15:25
5989838	23110402-004A	SAMP	M_HG_SOLID	154404	1	11/14/2023 15:26
5989839	23110402-004AMS	MS	M_HG_SOLID	154404	1	11/14/2023 15:28
5989840	23110402-004AMS	MS	M_HG_SOLID	154404	1	11/14/2023 15:35
5989841	23110402-004AMSD	MSD	M_HG_SOLID	154404	1	11/14/2023 15:36
5989842	23110402-004AMSD	MSD	M_HG_SOLID	154404	1	11/14/2023 15:44
5989843	CCV	CCV	M_HG_SOLID	R203562	1	11/14/2023 15:46
5989844	CCB	CCB	M_HG_SOLID	R203562	1	11/14/2023 15:47

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>ICV</b>	<b>ZZZZZ</b>	<b>ICV</b>	<b>mg/Kg</b>	<b>SW7471B</b>		<b>11/14/2023</b>	<b>CETAC 2_231114B</b>	<b>5989829</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.00111	0.020	0.001	0	111	90	110	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
\* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110402  
**Project:** A2237020, Brighton Park, Chicago

**Analytical QC Summary Report**  
**Metals**  
**BatchID: 154404**

**Prep Batch Summary**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 11/14/23			0.351	0	0	30	85.470	11/14/2023	11/14/2023
HGLCSS1 11/14/23			0.354	0	0	30	84.746	11/14/2023	11/14/2023
23110402-001A	Soil		0.342	0	0	30	87.719	11/14/2023	11/14/2023
23110402-002A	Soil		0.342	0	0	30	87.719	11/14/2023	11/14/2023
23110402-003A	Soil		0.359	0	0	30	83.565	11/14/2023	11/14/2023
23110402-004A	Soil		0.357	0	0	30	84.034	11/14/2023	11/14/2023
23110402-004AMS	Soil		0.358	0	0	30	83.799	11/14/2023	11/14/2023
23110402-004AMSD	Soil		0.357	0	0	30	84.034	11/14/2023	11/14/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGMBS1 11/14/23	ZZZZZ	MBLK	mg/Kg	SW7471B	11/14/2023	11/14/2023	CETAC 2_231114B	5989833				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.01692	0.017									J

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
HGLCSS1 11/14/23	ZZZZZ	LCS	mg/Kg	SW7471B	11/14/2023	11/14/2023	CETAC 2_231114B	5989834				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.1941	0.017	0.2119	0.01692	83.6	80	120	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110402-004AMS	SB-15-W5	MS	mg/Kg-dry	SW7471B	11/14/2023	11/14/2023	CETAC 2_231114B	5989840				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2476	0.021	0.2645	0.05761	71.8	75	125	0	0		S

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
23110402-004AMSD	SB-15-W5	MSD	mg/Kg-dry	SW7471B	11/14/2023	11/14/2023	CETAC 2_231114B	5989842				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury		0.2589	0.021	0.2653	0.05761	75.9	75	125	0.2476	4.46	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded



**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110402  
**Project:** A2237020, Brighton Park, Chicago

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203544**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5989408	23110011-003BDUP	DUP	PH_S	R203544	1	11/14/2023
5989409	23110011-003B	SAMP	PH_S	R203544	1	11/14/2023
5989410	23110373-001B	SAMP	PH_S	R203544	1	11/14/2023
5989411	23110374-001A	SAMP	PH_S	R203544	1	11/14/2023
5989412	23110374-002A	SAMP	PH_S	R203544	1	11/14/2023
5989413	23110374-003A	SAMP	PH_S	R203544	1	11/14/2023
5989414	23110374-004A	SAMP	PH_S	R203544	1	11/14/2023
5989876	23110395-001B	SAMP	PH_S	R203544	1	11/14/2023
5989878	23110395-002B	SAMP	PH_S	R203544	1	11/14/2023
5989880	23110395-003B	SAMP	PH_S	R203544	1	11/14/2023
5989882	23110395-004B	SAMP	PH_S	R203544	1	11/14/2023
5989885	23110395-005B	SAMP	PH_S	R203544	1	11/14/2023
5989887	23110395-006B	SAMP	PH_S	R203544	1	11/14/2023
5989890	23110395-007B	SAMP	PH_S	R203544	1	11/14/2023
5989892	23110395-008B	SAMP	PH_S	R203544	1	11/14/2023
5989894	23110398-001B	SAMP	PH_S	R203544	1	11/14/2023
5989896	23110398-002B	SAMP	PH_S	R203544	1	11/14/2023
5989898	23110402-001A	SAMP	PH_S	R203544	1	11/14/2023
5989900	23110402-002A	SAMP	PH_S	R203544	1	11/14/2023
5989902	23110402-003A	SAMP	PH_S	R203544	1	11/14/2023
5989903	23110402-004A	SAMP	PH_S	R203544	1	11/14/2023

**QC Summary**

Sample ID: <b>23110011-003BDUP</b>	Customer ID: <b>ZZZZ</b>	SampType: <b>DUP</b>	Units: <b>pH Units</b>	TestNo: <b>SW9045C</b>	Prep Date: <b>11/14/2023</b>	Analysis Date: <b>11/14/2023</b>	Run ID: <b>PH-4_231114A</b>	SeqNo: <b>5989408</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	9.34	0	0	0	0	0	0	9.21	1.40	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

**Customer:** Terracon Consultants, Inc.  
**Work Order:** 23110402  
**Project:** A2237020, Brighton Park, Chicago

**Analytical QC Summary Report**  
**Wet Chemistry**  
**BatchID: R203585**

**Analytical Run Summary**

SeqNo	Sample ID	Type	Test Code	Batch	DF	Date Analyzed
5990671	PMMBLK1 11/14/23	MBLK	PMOIST	R203585	1	11/15/2023
5990672	PMLCSS1 11/14/23	LCS	PMOIST	R203585	1	11/15/2023
5990673	PMLCSW1 11/14/23	LCS	PMOIST	R203585	1	11/15/2023
5990674	23110370-001B	SAMP	PMOIST	R203585	1	11/15/2023
5990675	23110398-001B	SAMP	PMOIST	R203585	1	11/15/2023
5990676	23110398-002B	SAMP	PMOIST	R203585	1	11/15/2023
5990677	23110402-001A	SAMP	PMOIST	R203585	1	11/15/2023
5990678	23110402-002A	SAMP	PMOIST	R203585	1	11/15/2023
5990679	23110402-003A	SAMP	PMOIST	R203585	1	11/15/2023
5990680	23110402-004A	SAMP	PMOIST	R203585	1	11/15/2023
5990681	23110413-001A	SAMP	PMOIST	R203585	1	11/15/2023
5990682	23110413-001ADUP	DUP	PMOIST	R203585	1	11/15/2023
5990683	23110413-001A	SAMP	PSOLID	R203585	1	11/15/2023

**QC Summary**

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>PMMBLK1 11/14/23</b>	<b>ZZZZZ</b>	<b>MBLK</b>	<b>wt%</b>	<b>D2974</b>	<b>11/14/2023</b>	<b>11/15/2023</b>	<b>BALANCE_231114A</b>	<b>5990671</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		ND	0.200									*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>PMLCSS1 11/14/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>wt%</b>	<b>D2974</b>	<b>11/14/2023</b>	<b>11/15/2023</b>	<b>BALANCE_231114A</b>	<b>5990672</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		4.52	0.200	5	0	90.4	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>PMLCSW1 11/14/23</b>	<b>ZZZZZ</b>	<b>LCS</b>	<b>wt%</b>	<b>D2974</b>	<b>11/14/2023</b>	<b>11/15/2023</b>	<b>BALANCE_231114A</b>	<b>5990673</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		99.87	0.200	99.8	0	100	80	120	0	0		*

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
<b>23110413-001ADUP</b>	<b>ZZZZZ</b>	<b>DUP</b>	<b>wt%</b>	<b>D2974</b>	<b>11/14/2023</b>	<b>11/15/2023</b>	<b>BALANCE_231114A</b>	<b>5990682</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Percent Moisture		12.39	0.200	0	0	0	0	0	12.85	3.65	20	*

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      E - Value above quantitation range  
 \* - Non Accredited Parameter      H/HT - Holding Time Exceeded

## DATA REVIEW SUMMARY: Soil Gas

<b>SITE</b>	3710 South California S., Chicago, IL	<b>TERRACON PROJECT NO.</b>	A2237020
<b>LABORATORY</b>	Sterling Labs, Chicago, IL Pace Analytical, Mt. Juliet, TN	<b>MATRIX</b>	Air (Soil Gas)
<b>NO. DATA PACKAGES</b>	5	<b>LABORATORY JOB NO(s).</b>	23100951, 23100999, L1672038, L1674630, L1673092
<b>NO. SAMPLES</b>	36	<b>PERIOD OF ANALYSIS</b>	November 2023
<b>REVIWER NAME</b>	Abigayle B. Teller Terracon Consultants, Inc.	<b>REVIEW DATE</b>	11/9/2023

Reported data were reviewed for conformance to the United States Environmental Protection Agency (EPA) guidance documents *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA 540-R-20-005, November 2020) and *National Functional Guidelines for Inorganic Superfund Methods Data Review* (EPA 542-R-20-006, November 2020). A cross-reference of field sample identifications and laboratory identification numbers with their respective analytical programs is included in the attached **Table 1**.

The following percent recoveries (%R) and relative percent differences (RPDs) were utilized as the project-specific data quality objectives (DQOs) during review of laboratory data:

<b>ANALYTE TYPE</b>	<b>PERCENT RECOVERY (%R)</b>	<b>RELATIVE PERCENT DIFFERENCE (RPD%)</b>
<b>Organics</b>	70-130%	≤30%
<b>Inorganics</b>	80-120%	≤20%

Based on applicable qualification criteria in the above-referenced EPA guidance documents, the reviewed data conformed to the project DQOs, with the exception of the laboratory results listed in the attached **Table 2**. A summary of the data review criteria and data usability issues, if any, is provided below.



REVIEW CRITERIA	DATA USABILITY ISSUES
<b>Preservation and Holding Times</b>	None
<b>Calibrations (Initial, Continuing, and Verifications, as applicable)</b>	None
<b>Laboratory Control Sample (LCS/LCSD)</b>	None
<b>Matrix Spike Samples (MS/MSD)</b>	N/A
<b>Method Blanks</b>	See Table 2. TO-15 ethanol result flagged as non-detect (<quantitation limit) for 17 samples.
<b>Surrogate Recoveries (Organics Only)</b>	None
<b>Field QA/QC Blanks</b>	None.
<b>Field QA/QC Duplicates</b>	None. Sample and field duplicate concentrations are less than 5x the quantitation limits.
<b>Overall Assessment of QA/QC</b>	None
<b>Overall Assessment of Data Suitability</b>	None

**Conclusions:** No analytical data were rejected as a result of this review. Soil gas data are usable for the purpose of providing current data on concentrations of COCs in the assessed media at the site.

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
23100951-001	SG-01	10/30/2023	Air	---	Mercury (N6009M)
23100951-002	SG-02	10/30/2023	Air	---	Mercury (N6009M)
23100951-003	SG-03	10/30/2023	Air	---	Mercury (N6009M)
23100951-005	SG-04	10/30/2023	Air	---	Mercury (N6009M)
23100951-006	SG-05	10/30/2023	Air	---	Mercury (N6009M)
23100951-007	Dup-001	10/30/2023	Air	Field Duplicate (SG-04)	Mercury (N6009M)
23100951-004	Method Blank 1	10/30/2023	Air	Field Blank	Mercury (N6009M)
23100999-002	SG-07	10/31/2023	Air		Mercury (N6009M)
23100999-003	SG-08	10/31/2023	Air		Mercury (N6009M)
23100999-004	SG-09	10/31/2023	Air		Mercury (N6009M)
23100999-005	SG-10	10/31/2023	Air		Mercury (N6009M)
23100999-006	SG-11	10/31/2023	Air		Mercury (N6009M)
23100999-007	SG-12	10/31/2023	Air		Mercury (N6009M)
23100999-008	SG-13	10/31/2023	Air		Mercury (N6009M)
23100999-009	SG-14	10/31/2023	Air		Mercury (N6009M)
23100999-010	SG-15	10/31/2023	Air		Mercury (N6009M)
23100999-011	DUP-002	10/31/2023	Air	Field Duplicate (SG-13)	Mercury (N6009M)
23100999-013	SG-06	10/31/2023	Air		Mercury (N6009M)
23100999-001	Field Blank #1	10/31/2023	Air	Field Blank	Mercury (N6009M)
L1672038-01	SG-02 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-02	SG-03 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-03	SG-04 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-04	SG-05 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-05	SG-06 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-06	SG-07 / 103123	10/30/2023	Air		VOCs (TO-15)

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
L1672038-07	SG-08 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-08	SG-09 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-09	SG-10 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-10	SG-11 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-11	SG-12 / 103123	10/30/2023	Air		VOCs (TO-15)
L1672038-12	DUP-001 / 103123	10/30/2023	Air	Field Duplicate (SG-04)	VOCs (TO-15)
L1674630-01	SG-13/103123	10/31/2023	Air		VOCs (TO-15)
L1674630-02	SG-14/103123	10/31/2023	Air		VOCs (TO-15)
L1674630-03	DUP-002/103123	10/31/2023	Air	Field Dupl cate (SG-13/103123)	VOCs (TO-15)
L1673092-01	SG-01	11/01/2023	Air		VOCs (TO-15)
L1673092-02	SG-02	11/01/2023	Air		VOCs (TO-15)

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
L1672038-01	SG-02 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-02	SG-03 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-03	SG-04 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-04	SG-05 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-05	SG-06 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-06	SG-07 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-07	SG-08 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-08	SG-09 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-09	SG-10 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-10	SG-11 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-11	SG-12 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1672038-12	DUP-001 / 103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1674630-01	SG-13/103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1674630-02	SG-14/103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1674630-03	DUP-002/103123	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
L1673092-01	SG-01	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants
L1673092-02	SG-02	TO-15	Ethanol	U	Sample result > quantitation detection limit but < 2x blank result for common laboratory contaminants



## DATA REVIEW SUMMARY: Soil

<b>SITE</b>	3710 South California S., Chicago, IL	<b>TERRACON PROJECT NO.</b>	A2237020
<b>LABORATORY</b>	Sterling Labs, Chicago, IL	<b>MATRIX</b>	Soil
<b>NO. DATA PACKAGES</b>	3	<b>LABORATORY JOB NO(s).</b>	23101003, 23110028, 23110402
<b>NO. SAMPLES</b>	56	<b>PERIOD OF ANALYSIS</b>	November 2023
<b>REVIWER NAME</b>	Abigayle B. Teller Terracon Consultants, Inc.	<b>REVIEW DATE</b>	12/1/23

Reported data were reviewed for conformance to the United States Environmental Protection Agency (EPA) guidance documents *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA 540-R-20-005, November 2020) and *National Functional Guidelines for Inorganic Superfund Methods Data Review* (EPA 542-R-20-006, November 2020). A cross-reference of field sample identifications and laboratory identification numbers with their respective analytical programs is included in the attached **Table 1**.

The following percent recoveries (%R) and relative percent differences (RPDs) were utilized as the project-specific data quality objectives (DQOs) during review of laboratory data:

<b>ANALYTE TYPE</b>	<b>PERCENT RECOVERY (%R)</b>	<b>RELATIVE PERCENT DIFFERENCE (RPD%)</b>
<b>Organics</b>	70-130%	≤30%
<b>Inorganics</b>	80-120%	≤20%

Based on applicable qualification criteria in the above-referenced EPA guidance documents, the reviewed data conformed to the project DQOs, with the exception of the laboratory results listed in the attached **Table 2**. A summary of the data review criteria and data usability issues, if any, is provided below.

**Data Review Summary: Soil**

3710 South California St. ■ Chicago, IL

December 1, 2023 ■ Terracon Project No. A2237020



REVIEW CRITERIA	DATA USABILITY ISSUES
<b>Preservation and Holding Times</b>	No issues identified.
<b>GC/MS or GC/ECD Instrument Performance Check (Organics)</b>	No issues identified.
<b>ICP-MS Tune Analysis (Inorganics)</b>	No issues identified.
<b>Calibrations (Initial, Continuing, and Verifications, as applicable)</b>	No issues identified.
<b>Laboratory Control Sample (LCS/LCSD)</b>	<b>See Table 2.</b> Select data points in lab packet 23110028 for Method SW8270C (2,2'-oxybis[1-Chloropropane], Chrysene, and Dibenz[a,h]anthracene) and Method SW8081B (heptachlor) rejected; however, overall assessment of QA/QC and indicates dataset is suitable for assessing site conditions.
<b>Matrix Spike Samples (MS/MSD)</b>	<b>See Table 2.</b> No data rejected.
<b>Method Blanks</b>	No issues identified.
<b>Surrogate Recoveries (Organics Only)</b>	<b>See Table 2.</b> No data rejected. <i>Professional judgement used when qualifying data based on number of surrogates included with analytical method where %R &gt;10% but ≤ 70%</i>
<b>Field QA/QC Blanks</b>	N/A
<b>Field QA/QC Duplicates</b>	<b>See Table 2.</b> No issues identified.
<b>Overall Assessment of QA/QC</b>	No issues identified.
<b>Overall Assessment of Data Suitability</b>	No issues identified.

**Conclusions:** No analytical data were rejected as a result of this review, except as noted on Table 2. Soil data are usable for the purpose of providing current data on concentrations of COCs in the assessed media at the site.

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
23101003-001	SB-01 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-002	SB-01 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-003	SB-01 (7.5-10)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-004	DUP-001	10/31/2023	Soil	Field Duplicate: SB-01 (7.5-10)	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-005	SB-02 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-006	SB-02 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-007	SB-02 (8.5-10)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-008	SB-03 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-009	SB-03 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-010	SB-03 (4-6)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-011	SB-04 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-012	SB-04 (3-5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-013	SB-04 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-014	SB-05 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-015	SB-05 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-016	SB-05 (4-6)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
23101003-017	DUP-02	10/31/2023	Soil	Field Duplicate: SB-03 (0.5)	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-018	SB-06 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-019	SB-06 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-020	SB-06 (4-6)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-021	SB-07 (0.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23101003-022	SB-07 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-023	SB-07 (3-5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-024	DUP-003	10/31/2023	Soil	Field Duplicate: SB-07 (1-3)	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-025	SB-08 (1-3)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23101003-026	SB-08 (5-7.5)	10/31/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-001	SB-9 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-002	SB-9 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-003	SB-9 (5-7)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-004	SB-11 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-005	SB-11 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-006	SB-11 (8-10)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
23110028-007	SB-15 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-008	SB-15 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B), Mercury Species Fractionation (SW7470A/7471B)
23110028-009	SB-15 (3-5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-010	DUP-001	11/1/2023	Soil	Field Duplicate: SB-15 (1-3)	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B), Mercury Species Fractionation (SW7470A/7471B)
23110028-011	SB-16 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-012	SB-16 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-013	SB-16 (4-6)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-014	SB-10 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-015	SB-10 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-016	SB-10 (7-9)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-017	SB-12 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-018	SB-12 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-019	SB-12 (5-7)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-020	DUP-005	11/1/2023	Soil	Field Duplicate: SB-13 (0.5)	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-021	SB-13 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-022	SB-13 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
23110028-023	SB-13 (4-6)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-024	SB-14 (0.5)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), PCBs (SW8082A), Pesticides (SW8081B), Metals (SW6020A), Mercury (SW7471B)
23110028-025	SB-14 (1-3)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110028-026	SB-14 (7-9)	11/1/2023	Soil	---	VOCs (SW8260B), SVOCs (SW8270C), Select Metals (SW6020A), Mercury (SW7471B)
23110402-001	SB-15-N5	11/14/2023	Soil	---	Mercury (SW7471B)
23110402-002	SB-15-E5	11/14/2023	Soil	---	Mercury (SW7471B)
23110402-003	SB-15-S5	11/14/2023	Soil	---	Mercury (SW7471B)
23110402-004	SB-15-W5	11/14/2023	Soil	---	Mercury (SW7471B)

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-001	SB-01 (0.5)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-001	SB-01 (0.5)	SW8270C	Benzo(a)pyrene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-001	SB-01 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-001	SB-01 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-001	SB-01 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-001	SB-01 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-001	SB-01 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-001	SB-01 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-001	SB-01 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-002	SB-01 (1-3)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-002	SB-01 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-002	SB-01 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-002	SB-01 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-002	SB-01 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-003	SB-01 (7.5-10)	SW6020A	Arsenic	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Arsenic	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Cadmium	J	Field precision: RPD > 100%
23101003-003	SB-01 (7.5-10)	SW6020A	Chromium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Chromium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Lead	J	Field precision: RPD > 100%
23101003-003	SB-01 (7.5-10)	SW6020A	Mercury	J	Field precision: RPD > 100%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-003	SB-01 (7.5-10)	SW6020A	Selenium	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-003	SB-01 (7.5-10)	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-003	SB-01 (7.5-10)	SW6020A	Zinc	J	Field precision: RPD > 100%
23101003-003	SB-01 (7.5-10)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-003	SB-01 (7.5-10)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-003	SB-01 (7.5-10)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-003	SB-01 (7.5-10)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-003	SB-01 (7.5-10)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-004	DUP-001	SW6020A	Arsenic	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Arsenic	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Cadmium	J	Field precision: RPD > 100%
23101003-004	DUP-001	SW6020A	Chromium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Chromium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Lead	J	Field precision: RPD > 100%
23101003-004	DUP-001	SW6020A	Mercury	J	Field precision: RPD > 100%
23101003-004	DUP-001	SW6020A	Selenium	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-004	DUP-001	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-004	DUP-001	SW6020A	Zinc	J	Field precision: RPD > 100%
23101003-004	DUP-001	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-004	DUP-001	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-004	DUP-001	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-004	DUP-001	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-004	DUP-001	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-005	SB-02 (0.5)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-005	SB-02 (0.5)	SW8270C	Benzo(a)pyrene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-005	SB-02 (0.5)	SW8270C	Dibenz(a,h)anthracene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-005	SB-02 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-005	SB-02 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-005	SB-02 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-005	SB-02 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-005	SB-02 (0.5)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-005	SB-02 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-006	SB-02 (1-3)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-006	SB-02 (1-3)	SW8270C	Benzo(a)pyrene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-006	SB-02 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-006	SB-02 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-006	SB-02 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-006	SB-02 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-007	SB-02 (8.5-10)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Naphthalene	J-	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-007	SB-02 (8.5-10)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-007	SB-02 (8.5-10)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW6020A	Aluminum	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Barium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Calcium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Cobalt	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-008	SB-03 (0.5)	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Magnesium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Manganese	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Mercury	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Potassium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW6020A	Sodium	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-008	SB-03 (0.5)	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-008	SB-03 (0.5)	SW8270C	Bis(2-ethylhexyl)phthalate	J	Field precision: RPD > 100%
23101003-008	SB-03 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-008	SB-03 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-008	SB-03 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-008	SB-03 (0.5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-008	SB-03 (0.5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-008	SB-03 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-008	SB-03 (0.5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-009	SB-03 (1-3)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-009	SB-03 (1-3)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-010	SB-03 (4-6)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-010	SB-03 (4-6)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-010	SB-03 (4-6)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-011	SB-04 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-011	SB-04 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-011	SB-04 (0.5)	SW8082A	Aroclor 1254	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-011	SB-04 (0.5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-011	SB-04 (0.5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Naphthalene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-011	SB-04 (0.5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-012	SB-04 (3-5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-012	SB-04 (3-5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-012	SB-04 (3-5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2,4-Dinitrophenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2-Chlorophenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2-Methylnaphthalene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	2-Methylphenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	2-Nitrophenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	4-Methylphenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	4-Nitrophenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Acenaphthene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Aniline	UJ	MS %R >20% and <70%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-013	SB-04 (1-3)	SW8270C	Anthracene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Benz(a)anthracene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Benzo(a)pyrene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Benzo(b)fluoranthene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Benzo(g,h,i)perylene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Benzoic acid	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Bis(2-chloroethoxy)methane	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Carbazole	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Chrysene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Dibenz(a,h)anthracene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Dibenzofuran	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Fluoranthene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Fluorene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Hexachloroethane	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Indeno(1,2,3-cd)pyrene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Isophorone	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Naphthalene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Nitrobenzene	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Phenanthrene	J-	MS %R >20% and <70%; MS/MSD RPD >30%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-013	SB-04 (1-3)	SW8270C	Phenol	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	Pyrene	J-	MS %R >20% and <70%; MS/MSD RPD >30%
23101003-013	SB-04 (1-3)	SW8270C	Pyridine	UJ	MS %R >20% and <70%
23101003-013	SB-04 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Acenaphthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-013	SB-04 (1-3)	SW8270C	Fluorene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Naphthalene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-013	SB-04 (1-3)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-014	SB-05 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-014	SB-05 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-014	SB-05 (0.5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-014	SB-05 (0.5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-014	SB-05 (0.5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-014	SB-05 (0.5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-015	SB-05 (1-3)	SW8270C	Benzo(a)pyrene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-015	SB-05 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-015	SB-05 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-015	SB-05 (1-3)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-016	SB-05 (4-6)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-016	SB-05 (4-6)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-016	SB-05 (4-6)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW6020A	Aluminum	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Barium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Calcium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Cobalt	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-017	DUP-02	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Magnesium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Manganese	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Mercury	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Potassium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW6020A	Sodium	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-017	DUP-02	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-017	DUP-02	SW8270C	Bis(2-ethylhexyl)phthalate	J	Field precision: RPD > 100%
23101003-017	DUP-02	SW6020B	Aluminum	J-	LCS %R >120%
23101003-017	DUP-02	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-017	DUP-02	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-017	DUP-02	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-017	DUP-02	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-017	DUP-02	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-017	DUP-02	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8081B	4,4'-DDD	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	4,4'-DDE	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	4,4'-DDT	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Aldrin	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	alpha-BHC	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	alpha-Chlordane	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	beta-BHC	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	delta-BHC	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Dieldrin	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Endosulfan I	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Endosulfan II	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Endosulfan sulfate	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Endrin	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Endrin aldehyde	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Endrin ketone	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	gamma-BHC	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	gamma-Chlordane	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Heptachlor	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8081B	Heptachlor epoxide	UJ	MS %R >20% and <70%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-018	SB-06 (0.5)	SW8081B	Methoxychlor	UJ	MS %R >20% and <70%
23101003-018	SB-06 (0.5)	SW8082A	Aroclor 1016	R	MS %R <20%
23101003-018	SB-06 (0.5)	SW8082A	Aroclor 1260	R	MS %R <20%
23101003-018	SB-06 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-018	SB-06 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-018	SB-06 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-018	SB-06 (0.5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-018	SB-06 (0.5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-018	SB-06 (0.5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-019	SB-06 (1-3)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-019	SB-06 (1-3)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-019	SB-06 (1-3)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Benzo(b)fluoranthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-020	SB-06 (4-6)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-020	SB-06 (4-6)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW6020B	Aluminum	J-	LCS %R >120%
23101003-021	SB-07 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-021	SB-07 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23101003-021	SB-07 (0.5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-021	SB-07 (0.5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-021	SB-07 (0.5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-021	SB-07 (0.5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-022	SB-07 (1-3)	SW7471B	Mercury	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-022	SB-07 (1-3)	SW8270C	Anthracene	J	Field precision: RPD > 100%
23101003-022	SB-07 (1-3)	SW8270C	Benz(a)anthracene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-022	SB-07 (1-3)	SW8270C	Benzo(a)pyrene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-022	SB-07 (1-3)	SW8270C	Benzo(b)fluoranthene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-022	SB-07 (1-3)	SW8270C	Chrysene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-022	SB-07 (1-3)	SW8270C	Fluoranthene	J	Field precision: RPD > 100%
23101003-022	SB-07 (1-3)	SW8270C	Phenanthrene	J	Field precision: RPD > 100%
23101003-022	SB-07 (1-3)	SW8270C	Pyrene	J	Field precision: RPD > 100%
23101003-022	SB-07 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-022	SB-07 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-022	SB-07 (1-3)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-023	SB-07 (3-5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Acenaphthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Fluorene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-023	SB-07 (3-5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Naphthalene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-023	SB-07 (3-5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23101003-024	DUP-003	SW7471B	Mercury	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-024	DUP-003	SW8270C	Anthracene	J	Field precision: RPD > 100%
23101003-024	DUP-003	SW8270C	Benz(a)anthracene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-024	DUP-003	SW8270C	Benzo(a)pyrene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-024	DUP-003	SW8270C	Benzo(b)fluoranthene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-024	DUP-003	SW8270C	Chrysene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23101003-024	DUP-003	SW8270C	Fluoranthene	J	Field precision: RPD > 100%
23101003-024	DUP-003	SW8270C	Phenanthrene	J	Field precision: RPD > 100%
23101003-024	DUP-003	SW8270C	Pyrene	J	Field precision: RPD > 100%
23101003-024	DUP-003	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-024	DUP-003	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Acenaphthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Fluorene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-024	DUP-003	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-024	DUP-003	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Acenaphthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-025	SB-08 (1-3)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Fluorene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Naphthalene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-025	SB-08 (1-3)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	1,2,4-Trichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	1,2-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	1,3-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	1,4-Dichlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	2,4-Dichlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-026	SB-08 (5-7.5)	SW8270C	2,4-Dimethylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	2-Chlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	2-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	2-Nitrophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	4-Bromophenyl phenyl ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	4-Methylphenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Acenaphthene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Aniline	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Benzo(b)fluoranthene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Benzoic acid	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Bis(2-chloroethyl)ether	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Fluorene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Hexachlorobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Hexachlorobutadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Hexachlorocyclopentadiene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Hexachloroethane	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Isophorone	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Naphthalene	J-	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Nitrobenzene	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	N-Nitrosodimethylamine	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23101003-026	SB-08 (5-7.5)	SW8270C	N-Nitrosodi-n-propylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	N-Nitrosodiphenylamine	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Pentachlorophenol	UJ	LCS %R <70% and > laboratory acceptance limit
23101003-026	SB-08 (5-7.5)	SW8270C	Phenol	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-001	SB-9 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-001	SB-9 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-001	SB-9 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-001	SB-9 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-002	SB-9 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-002	SB-9 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-002	SB-9 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-003	SB-9 (5-7)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-003	SB-9 (5-7)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-003	SB-9 (5-7)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-004	SB-11 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-004	SB-11 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-004	SB-11 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-004	SB-11 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-005	SB-11 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-005	SB-11 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-005	SB-11 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-006	SB-11 (8-10)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-006	SB-11 (8-10)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-006	SB-11 (8-10)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-007	SB-15 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-007	SB-15 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-007	SB-15 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-007	SB-15 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-008	SB-15 (1-3)	SW6020A	Barium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-008	SB-15 (1-3)	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-008	SB-15 (1-3)	SW7470A/7471B	Mercury, Extractable	J	Field precision: RPD > 100%
23110028-008	SB-15 (1-3)	SW7470A/7471B	Mercury, Non-mobile	J	Field precision: RPD > 100%
23110028-008	SB-15 (1-3)	SW7470A/7471B	Mercury, Semi-mobile	J	Field precision: RPD > 100%
23110028-008	SB-15 (1-3)	SW7471B	Mercury	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-008	SB-15 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-008	SB-15 (1-3)	SW8270C	Chrysene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-008	SB-15 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-008	SB-15 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-008	SB-15 (1-3)	SW8270C	Phenanthrene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-008	SB-15 (1-3)	SW8270C	Pyrene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-009	SB-15 (3-5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-009	SB-15 (3-5)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-009	SB-15 (3-5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-010	DUP-001	SW7470A/7471B	Mercury, Extractable	J	MS %R >120%, MS/MSD RPD >20%
23110028-010	DUP-001	SW6020A	Barium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-010	DUP-001	SW6020A	Zinc	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-010	DUP-001	SW7470A/7471B	Mercury, Extractable	J	Field precision: RPD > 100%
23110028-010	DUP-001	SW7470A/7471B	Mercury, Non-mobile	J	Field precision: RPD > 100%
23110028-010	DUP-001	SW7470A/7471B	Mercury, Semi-mobile	J	Field precision: RPD > 100%
23110028-010	DUP-001	SW7471B	Mercury	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-010	DUP-001	SW7471B	Mercury	J	MS %R >120%, MS/MSD RPD >20%
23110028-010	DUP-001	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-010	DUP-001	SW8270C	Chrysene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-010	DUP-001	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-010	DUP-001	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-010	DUP-001	SW8270C	Phenanthrene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-010	DUP-001	SW8270C	Pyrene	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-011	SB-16 (0.5)	SW8081B	4,4´-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	4,4´-DDE	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	4,4´-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-011	SB-16 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-011	SB-16 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-011	SB-16 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-011	SB-16 (0.5)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-011	SB-16 (0.5)	SW8270C	Benzo(a)pyrene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-012	SB-16 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-012	SB-16 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-012	SB-16 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-013	SB-16 (4-6)	SW8270C	1,2,4-Trichlorobenzene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	1,2-Dichlorobenzene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	1,3-Dichlorobenzene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	1,4-Dichlorobenzene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-013	SB-16 (4-6)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	2,4-Dimethylphenol	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	2-Chlorophenol	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	2-Methylphenol	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Aniline	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Benzoic acid	UJ	MS %R >20% and <70%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-013	SB-16 (4-6)	SW8270C	Chrysene	R	MS %R <20%
23110028-013	SB-16 (4-6)	SW8270C	Dibenz(a,h)anthracene	R	MS %R <20%
23110028-013	SB-16 (4-6)	SW8270C	Hexachlorobutadiene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Hexachlorocyclopentadiene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Hexachloroethane	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Isophorone	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Naphthalene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Nitrobenzene	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	N-Nitrosodimethylamine	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	N-Nitrosodiphenylamine	UJ	MS %R >20% and <70%
23110028-013	SB-16 (4-6)	SW8270C	Phenol	UJ	MS %R >20% and <70%
23110028-014	SB-10 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-014	SB-10 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-014	SB-10 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-014	SB-10 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-014	SB-10 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-015	SB-10 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-015	SB-10 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-015	SB-10 (1-3)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-015	SB-10 (1-3)	SW8270C	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-015	SB-10 (1-3)	SW8270C	Benzo(a)pyrene	J-	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-016	SB-10 (7-9)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-016	SB-10 (7-9)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-016	SB-10 (7-9)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-017	SB-12 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-017	SB-12 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-017	SB-12 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-017	SB-12 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-018	SB-12 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-018	SB-12 (1-3)	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-018	SB-12 (1-3)	SW8270C	Dibenz(a,h)anthracene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-019	SB-12 (5-7)	SW6020A	Aluminum	J	MS %R >130%
23110028-019	SB-12 (5-7)	SW6020A	Antimony	J	MS %R >20% and <70%
23110028-019	SB-12 (5-7)	SW6020A	Calcium	J	MS %R <20%
23110028-019	SB-12 (5-7)	SW6020A	Copper	J	MS %R >20% and <70%
23110028-019	SB-12 (5-7)	SW6020A	Lead	J	MS %R >130%
23110028-019	SB-12 (5-7)	SW6020A	Magnesium	J	MS %R <20%
23110028-019	SB-12 (5-7)	SW6020A	Manganese	J	MS %R <20%
23110028-019	SB-12 (5-7)	SW6020A	Potassium	J	MS %R <20%
23110028-019	SB-12 (5-7)	SW6020A	Zinc	J	MS %R <20%
23110028-019	SB-12 (5-7)	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-019	SB-12 (5-7)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-019	SB-12 (5-7)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW6020A	Chromium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-020	DUP-005	SW6020A	Copper	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-020	DUP-005	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-020	DUP-005	SW6020A	Manganese	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-020	DUP-005	SW6020A	Potassium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-020	DUP-005	SW6020A	Vanadium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-020	DUP-005	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-020	DUP-005	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-020	DUP-005	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8270C	2, 2'-oxybis(1-Chloropropane)	R	LCS %R < laboratory acceptance limit
23110028-020	DUP-005	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8270C	Chrysene	J-	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-020	DUP-005	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-020	DUP-005	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-021	SB-13 (0.5)	SW6020A	Chromium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-021	SB-13 (0.5)	SW6020A	Copper	J	Field precision: Original and duplicate result <5x RL and and results differ by more than ±
23110028-021	SB-13 (0.5)	SW6020A	Lead	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-021	SB-13 (0.5)	SW6020A	Manganese	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-021	SB-13 (0.5)	SW6020A	Potassium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-021	SB-13 (0.5)	SW6020A	Vanadium	J	Field precision: Both the original and duplicate result >5x RL and RPD >20%
23110028-021	SB-13 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit



**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-021	SB-13 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-021	SB-13 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-021	SB-13 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-021	SB-13 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-022	SB-13 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-022	SB-13 (1-3)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-022	SB-13 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-023	SB-13 (4-6)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-023	SB-13 (4-6)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-023	SB-13 (4-6)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW6020A	Aluminum	J	MS %R <20%
23110028-024	SB-14 (0.5)	SW6020A	Antimony	J	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW6020A	Barium	J	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW6020A	Calcium	J	MS %R <20%
23110028-024	SB-14 (0.5)	SW6020A	Copper	J	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW6020A	Iron	J	MS %R <20%
23110028-024	SB-14 (0.5)	SW6020A	Magnesium	J	MS %R <20%
23110028-024	SB-14 (0.5)	SW6020A	Manganese	J	MS %R <20%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-024	SB-14 (0.5)	SW6020A	Potassium	J	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW6020A	Vanadium	J	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	4,4'-DDD	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	4,4'-DDE	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	4,4'-DDT	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Aldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW8081B	alpha-BHC	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	alpha-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	beta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	delta-BHC	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Dieldrin	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW8081B	Endosulfan I	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Endosulfan II	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW8081B	Endosulfan sulfate	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Endrin	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Endrin aldehyde	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Endrin ketone	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	gamma-BHC	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	gamma-Chlordane	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Heptachlor	R	LCS %R > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Heptachlor epoxide	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8081B	Methoxychlor	UJ	LCS %R <70% and > laboratory acceptance limit; MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8260B	1,1,2,2-Tetrachloroethane	UJ	MS %R >130%

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-024	SB-14 (0.5)	SW8260B	2-Hexanone	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Acetone	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Bromoform	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Chlorobenzene	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Dibromochloromethane	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Ethylbenzene	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Styrene	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Tetrachloroethene	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Toluene	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8260B	Xylenes, Total	UJ	MS %R >130%
23110028-024	SB-14 (0.5)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW8270C	2,4-Dinitrophenol	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	4,6-Dinitro-2-methylphenol	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	Aniline	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	Benzo(a)pyrene	J	MS %R >130%
23110028-024	SB-14 (0.5)	SW8270C	Benzoic acid	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-024	SB-14 (0.5)	SW8270C	Hexachlorocyclopentadiene	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	Isophorone	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	N-Nitrosodiphenylamine	UJ	MS %R >20% and <70%
23110028-024	SB-14 (0.5)	SW8270C	Pyrene	J	MS %R >130%
23110028-024	SB-14 (0.5)	SW8081B	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110028-024	SB-14 (0.5)	SW8082A	All Non-Detects	UJ	Surrogate Recovery: %R >10% and <70% for half or more surrogates
23110028-025	SB-14 (1-3)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-025	SB-14 (1-3)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-025	SB-14 (1-3)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-026	SB-14 (7-9)	SW8270C	2, 2'-oxybis(1-Chloropropane)	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-026	SB-14 (7-9)	SW8270C	Chrysene	UJ	LCS %R <70% and > laboratory acceptance limit
23110028-026	SB-14 (7-9)	SW8270C	Dibenz(a,h)anthracene	UJ	LCS %R <70% and > laboratory acceptance limit
23110402-004	SB-15-W5	SW7471B	Mercury	J	MS %R >20% and <80%

## DATA REVIEW SUMMARY: Groundwater

<b>SITE</b>	3710 South California S., Chicago, IL	<b>TERRACON PROJECT NO.</b>	A2237020
<b>LABORATORY</b>	Sterling Labs, Chicago, IL	<b>MATRIX</b>	Groundwater
<b>NO. DATA PACKAGES</b>	1	<b>LABORATORY JOB NO(s).</b>	23110021
<b>NO. SAMPLES</b>	7	<b>PERIOD OF ANALYSIS</b>	November 2023
<b>REVIWER NAME</b>	Abigayle B. Teller Terracon Consultants, Inc.	<b>REVIEW DATE</b>	11/9/2023

Reported data were reviewed for conformance to the United States Environmental Protection Agency (EPA) guidance documents *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA 540-R-20-005, November 2020) and *National Functional Guidelines for Inorganic Superfund Methods Data Review* (EPA 542-R-20-006, November 2020). A cross-reference of field sample identifications and laboratory identification numbers with their respective analytical programs is included in the attached **Table 1**.

The following percent recoveries (%R) and relative percent differences (RPDs) were utilized as the project-specific data quality objectives (DQOs) during review of laboratory data:

<b>ANALYTE TYPE</b>	<b>PERCENT RECOVERY (%R)</b>	<b>RELATIVE PERCENT DIFFERENCE (RPD%)</b>
<b>Organics</b>	70-130%	≤30%
<b>Inorganics</b>	80-120%	≤20%

Based on applicable qualification criteria in the above-referenced EPA guidance documents, the reviewed data conformed to the project DQOs, with the exception of the laboratory results listed in the attached **Table 2**. A summary of the data review criteria and data usability issues, if any, is provided below.

REVIEW CRITERIA	DATA USABILITY ISSUES
<b>Preservation and Holding Times</b>	None
<b>GC/MS or GC/ECD Instrument Performance Check (Organics)</b>	None
<b>ICP-MS Tune Analysis (Inorganics)</b>	None
<b>Calibrations (Initial, Continuing, and Verifications, as applicable)</b>	None
<b>Laboratory Control Sample (LCS/LCSD)</b>	None
<b>Matrix Spike Samples (MS/MSD)</b>	None
<b>Method Blanks</b>	None
<b>Surrogate Recoveries (Organics Only)</b>	See Table 2. No data rejected.
<b>Field QA/QC Blanks</b>	None
<b>Field QA/QC Duplicates</b>	None
<b>Overall Assessment of QA/QC</b>	None
<b>Overall Assessment of Data Suitability</b>	None

**Conclusions:** No analytical data were rejected as a result of this review. Groundwater data are usable for the purpose of providing current data on concentrations of COCs in the assessed media at the site.

**TABLE 1: CROSS-REFERENCE FIELD SAMPLE IDENTIFICATIONS & LABORATORY IDENTIFICATIONS**

Lab ID(s)	Field ID	Sample Date	Matrix	Note	Analyses
23110021-001	GW-02	11/01/2023	Water	---	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)
23110021-002	GW-04	11/01/2023	Water	---	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)
23110021-003	GW-07	11/01/2023	Water	---	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)
23110021-004	GW-11	11/01/2023	Water	---	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)
23110021-005	GW-16	11/01/2023	Water	---	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)
23110021-006	DUP-001	11/01/2023	Water	Field Duplicate (GW-02)	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)
23110021-007	TB-001	11/01/2023	Water	Trip Blank	VOCs (SW8260B), Naphthalene (SW8270C-SIM), Mercury (SW7470A)

**TABLE 2: QUALIFIED ANALYTICAL DATA**

Lab ID	Field ID	Method	Analyte	Qual.	Reason for Qualification
23110021-003	GW-07	8270C-SIM	Naphthalene	UJL	%R below lower DQO for all surrogates
23110021-004	GW-11	8270C-SIM	Naphthalene	UJ	%R below outside DQOs in multiple surrogates in more than 1 direction



APPENDIX D  
REMIEDIATION DOCUMENTATION



November 21, 2023

To: Anthony DeMauro, RW Collins Co.

Re: Vulcan McCook Virgin Stone Aggregates for 3710 S. California, Chicago, IL Project

Mr. DeMauro:

Please know that Vulcan Materials McCook Quarry virgin stone aggregates used at the above-mentioned project location are produced from a local, naturally occurring dolomite deposit processed at our McCook, IL facility, 5500 Joliet Road, McCook, IL 60525.

If you have any questions, or if we can provide you with any other information, please call me at (630) 816-7538.

Please call if you have any questions or need additional information.

Thank you for your business.

A handwritten signature in black ink, appearing to read "D. Barnstable".

Daniel C. Barnstable  
Area Manager - Technical Services  
Vulcan Materials Company  
Central Division  
[REDACTED] (Mobile)  
[barnstabled@vmcmail.com](mailto:barnstabled@vmcmail.com)



December 1, 2023

To: Chicago Department of Transportation

Re: Vulcan McCook Virgin Stone Aggregates (CM-6 & CA-7) for 3710 S. California,  
Chicago, IL Project

To Whom It May Concern:

Please know that Vulcan Materials McCook Quarry virgin stone aggregates, including IDOT CM-6 and CA-7, used at the above-mentioned project location are produced from a local, naturally occurring dolomite deposit processed at our McCook, IL facility, 5500 Joliet Road, McCook, IL 60525.

If you have any questions, or if we can provide you with any other information, please call me at (630) 816-7538.

Please call if you have any questions or need additional information.

Thank you for your business.

A handwritten signature in black ink, appearing to read "D. Barnstable".

Daniel C. Barnstable  
Area Manager - Technical Services  
Vulcan Materials Company  
Central Division  
[REDACTED] (Mobile)  
[barnstabled@vmcmail.com](mailto:barnstabled@vmcmail.com)

Vulcan Construction Materials, LLC

MCCOOK STONE

5500 Joliet Rd.

50312-78

MCCOOK, IL 60525

**DANGER**



**PELIGRO**

Do not handle until the safety information presented in the Safety Data Sheet (SDS) has been read and understood. Follow applicable local, state and federal health and safety standards. For further health and safety information regarding this product, please refer to the SDS. An electronic version of the SDS is available at <http://www.vulcanmaterials.com/construction-materials/safety-data-sheets> or by calling 1-866-401-5424

No usar hasta que la información de seguridad presentada en la Ficha de Datos de Seguridad (SDS) haya sido completamente leída y entendida. Siga las reglas locales, estatales y federales de salud y seguridad. Para mayor información sobre la salud y seguridad de este producto, por favor referirse al documento de SDS. Una versión de SDS electrónica está disponible en <http://www.vulcanmaterials.com/construction-materials/safety-data-sheets> o llamando al 1-866-401-5424

RECEIVED BY: <b>X</b> DRIVER		CUSTOMER/CONSIGNEE: JEREMY 7089211181	
DATE 11/21/2023	TIME 8:17AM	PLANT 3481-111 MCCOOK STONE	Ticket No <b>12583513</b>
AUTOMATED TICKETING			

**LIMITED WARRANTY AND WARRANTY DISCLAIMER** Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE. In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY NC DENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

AS EVIDENCED BY SIGNATURE, OR DEPARTURE FROM SELLER'S FACILITY, CARRIER ACKNOWLEDGES THAT CARRIER IS SOLELY RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT, AXLE WEIGHTS AND GROSS WEIGHT. CARRIER SHALL BE RESPONSIBLE FOR NOTIFYING SELLER WHEN ANY TRUCK OR TRAILER HAS BEEN OVERLOADED SO AS TO RENDER IT OUT OF COMPLIANCE WITH ANY APPLICABLE WEIGHT LIMITS. TO THE MAXIMUM EXTENT ALLOWED BY LAW, CARRIER SHALL INDEMNIFY SELLER FOR ANY LOSS CAUSED BY OVERLOADING.

TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 144956 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
COLLINS CO INC, R.W.					
ORDER: 3933575	3710 S California - Chicago			DELIVERED	
	3710 S California			Dispatch: 468871	
DESTINATION: CALIFORNIA	Chicago			ZONE/MILES	
PRODUCT: 25371 CA-7 BEDDING STONE, 016CA07					
COMMENTS: JEREMY# (708) 921-1181					
TRUCK TRUX47709	LUK068	CARRIER C507	HER IL-Luka Express Inc.		
LICENSE 40690V	SEMI	TRAILER ID NO	TRAILER ID NO		
FREIGHT TYPE A	AXLES 0	TARE DATE 11/08/2023	TARE EXPIRE 11/23/2023		
GROSS LBS (Scale 7) 72,780	TARE LBS (Scale 0) 26,700 *	NET LBS 46,080	TONS 23.04	TONS TODAY 23.04	LOADS TODAY 1
GROSS KG 33,012	TARE KG 12,111	NET KG 20,902	NET MG 20.90	MG TODAY 20.90	IN PLANT 8:02 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	TAX	OTHER CHARGES	COD TOTAL	
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries .

\* P. T.

Vulcan Construction Materials, LLC

MCCOOK STONE

5500 Joliet Rd.

50312-78

MCCOOK, IL 60525

**DANGER**



**PELIGRO**

Do not handle until the safety information presented in the Safety Data Sheet (SDS) has been read and understood. Follow applicable local, state and federal health and safety standards. For further health and safety information regarding this product, please refer to the SDS. An electronic version of the SDS is available at <http://www.vulcanmaterials.com/construction-materials/safety-data-sheets> or by calling 1-866-401-5424

No usar hasta que la informacion de seguridad presentada en la Ficha de Datos de Seguridad (SDS) haya sido completamente leida y entendida. Siga las reglas locales, estatales y federales de salud y seguridad. Para mayor informacion sobre la salud y seguridad de este producto, por favor referirse al documento de SDS. Una version de SDS electronica esta disponible en <http://www.vulcanmaterials.com/construction-materials/safety-data-sheets> o llamando al 1-866-401-5424

RECEIVED BY: <b>X</b> DRIVER		CUSTOMER/CONSIGNEE: JEREMY 7089211181	
DATE 11/21/2023	TIME 9:29AM	PLANT 3481-111 MCCOOK STONE	Ticket No <b>12583586</b>
AUTOMATED TICKETING			

**LIMITED WARRANTY AND WARRANTY DISCLAIMER** Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE. In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

AS EVIDENCED BY SIGNATURE, OR DEPARTURE FROM SELLER'S FACILITY, CARRIER ACKNOWLEDGES THAT CARRIER IS SOLELY RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT, AXLE WEIGHTS AND GROSS WEIGHT. CARRIER SHALL BE RESPONSIBLE FOR NOTIFYING SELLER WHEN ANY TRUCK OR TRAILER HAS BEEN OVERLOADED SO AS TO RENDER IT OUT OF COMPLIANCE WITH ANY APPLICABLE WEIGHT LIMITS. TO THE MAXIMUM EXTENT ALLOWED BY LAW, CARRIER SHALL INDEMNIFY SELLER FOR ANY LOSS CAUSED BY OVERLOADING.

TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 144956 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:		
COLLINS CO INC, R.W.						
ORDER: 3933575	3710 S California - Chicago			DELIVERED		
	3710 S California			Dispatch: 468871		
DESTINATION: CALIFORNIA	Chicago			ZONE/MILES		
PRODUCT: 25371		CA-7 BEDDING STONE, 016CA07				
COMMENTS: JEREMY# (708) 921-1181						
TRUCK TRUX47709	LUK068	CARRIER C507	HER IL-Luka Express Inc.			
LICENSE 40690V	SEMI	TRAILER ID NO	TRAILER ID NO			
FREIGHT TYPE A	AXLES 0	TARE DATE 11/08/2023	TARE EXPIRE 11/23/2023			
GROSS LBS (Scale 7)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY	GROSS LEGAL WT
72,420	26,700 *	45,720	22.86	45.90	2	73,280
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT	OUT OF PLANT
32,849	12,111	20,738	20.74	41.64	9:20 am	9:29AM
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE			
TOTAL	MATERIAL	TAX	OTHER CHARGES	COD TOTAL		
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME	

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries .

\* P. T.



Requested Facility: Laraway Landfill
Multiple Generator Locations (Attach Locations)
Request Certificate of Disposal
Renewal? Original Profile Number: 637651IL

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: City of Chicago AIS
2. Generator Site Address: 3710 S. California Ave
3. County: Cook
4. Contact Name: Ram Ramasamy, P.E.
5. Email: Ram.Ramasamy@cityofchicago.org
6. Phone: 312-742-2565
8. Generator EPA ID:
9. State ID:

C. MATERIAL INFORMATION

1. Common Name: Excavated soil
Describe Process(es) Generating Material: See Attached
Soil from excavation.
2. Material Composition and Contaminants: See Attached
Table with 2 columns: Material, Percentage
3. State Waste Codes:
4. Color: Brown
5. Physical State at 70°F: Solid
6. Free Liquid Range Percentage:
7. pH:
8. Strong Odor: No
9. Flash Point: >=200°F

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached: Yes
Please identify Lab Report(s) and list specific representative Sample ID#:
Lab ID# 23110413-001A, Sample ID# WC/111423
2. Other information attached (such as SDS): Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management ("WM") Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided.

I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.
I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

B. BILLING INFORMATION SAME AS GENERATOR

1. Billing Name: RW Collins
2. Billing Address: 7225 W. 66th St
3. Contact Name: Josh Bernat
4. Email: josh@rwcollins.com
5. Phone: (708) 458-6868 x0
7. P.O. Number:
8. Payment Method: Credit Account

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? No
2. State Hazardous Waste? No
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? No
4. Contains Underlying Hazardous Constituents? No
5. Does the material contain benzene? No
6. Facility remediation subject to 40 CFR 63 GGGGG? No
7. CERCLA or State-mandated clean-up? No
8. NRC, State-regulated, NORM or TENORM waste? No

\*If Yes, see Addendum (page 2) for additional questions and space.

9. Contains PCBs? No
a. Regulated by 40 CFR 761? No
b. Remediation under 40 CFR 761.61? No
c. Were PCBs imported into the US? No
10. Regulated and/or Untreated Medical/Infectious Waste? No
11. Contains Asbestos? No
12. Contains Dioxins? (If Yes, please attach analysis) No

F. SHIPPING AND DOT INFORMATION

1. One-Time Event
2. Estimated Annual Quantity/Unit of Measure: 50 Tons
3. Container Type and Size:
4. USDOT Proper Shipping Name:
5. Estimated Start Date: 11/21/2023
6. Transportation Needed? No

Name (Print): Ram Ramasamy
Title: Project Manager
Company: City of Chicago
Date: 11/17/23

Certification Signature
Ram Ramasamy as agent of City of Chicago
Digitally signed by Ram Ramasamy
Date: 2023.11.17 10:25:23 -06'00'



# Profile Addendum: State of Illinois GENERATOR'S NON-SPECIAL WASTE CERTIFICATION

## F. Additional Waste Stream Information

Profile Number: 637651IL

Generators Name: City of Chicago AIS

Generators SITE Address: 3710 S. California Ave Chicago IL 60632  
(The location where the waste is generated)

Waste Name: Excavated Soil

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- 1. A Potentially Infectious Medical Waste (PIMW)?  Yes  No
- 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111?  Yes  No
- 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)?  Yes  No
- 4. A regulated PCB waste as defined in 40 CFR 761?  Yes  No
- 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition?  Yes  No
- 6. A waste resulting from the shredding recyclable metals (auto fluff)?  Yes  No
- 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107?  Yes  No


In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation:  MSDS  Analytical  Other (explain below):  
Lab ID# 23110413-001A, Sample ID# WC/111423

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation:  MSDS  Analytical  Other (explain below):  
Lab ID# 23110413-001A, Sample ID# WC/111423

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee?  Yes  No  
Select option:  Pollution Control Waste  Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) Ram Ramasamy Title: Project Manager

Signature: Ram  as agent of City of Chicago Date: 11/17/23



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551 Fax: (312) 733-2386 Info@TheSterlingLab.com

November 17, 2023

Terracon Consultants, Inc.  
650 W. Lake Street  
Chicago, IL 60661

Telephone: (312) 575-0014  
Fax: (312) 575-0111

Analytical Report for Work Order: 23110413 Revision 0

RE: A2237020, Brighton Park, Chicago, IL

Dear Terracon Consultants, Inc.:

Sterling Labs received 1 sample for the referenced project on 11/14/2023 1:19:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / TNI standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Chawla", with a long horizontal flourish extending to the right.

Craig Chawla  
Project Manager

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Date: November 17, 2023

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**Customer:** Terracon Consultants, Inc.  
**Project:** A2237020, Brighton Park, Chicago, IL  
**Work Order:** 23110413 Revision 0

## Work Order Sample Summary

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Lab Sample ID	Customer Sample ID	Tag Number	Collection Date	Date Received
23110413-001A	WC / 111423		11/14/2023 11:00:00 AM	11/14/2023
23110413-001B	WC / 111423		11/14/2023 11:00:00 AM	11/14/2023



Date: November 17, 2023

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## Case Narrative

The following parameters apply to sample WC / 111423 (23110413-001):

Reactivity with Water: None

Reactivity with Base: None

Reactivity with Acid: Sample effervesced with no temperature change

Odor: None

Physical Description: Black and brown soil with rocks

The Reactive Sulfide MS/MSD prepared from sample WC / 111423 (23110413-001) had recoveries and RPD outside of control limits (6.25%/18.2% recovery, QC Limits 50-150%; 97.9% RPD, QC Limit <30%).

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QC - Quality Control

MB - Method Blank

LCS(D) - Lab Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

RPD - Relative Percent Difference

VOC - Volatile Organic Compound

SVOC - Semi-Volatile Organic Compound

PNA/PAH - Polynuclear Aromatic Hydrocarbon

PCB - Polychlorinated Biphenyls



**Report Date:** November 17, 2023  
**Print Date:** November 17, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** WC / 111423  
**Work Order:** 23110413 Revision 0 **Tag Number:**  
**Project:** A2237020, Brighton Park, Chicago, IL **Collection Date:** 11/14/2023 11:00:00 AM  
**Lab ID:** 23110413-001A **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**TCLP Volatile Organic Compounds by GC/MS** **SW1311/8260B (SW5030B)** Prep Date: 11/14/2023 Analyst: EGH  
*IEPA ELAP 100445*

Benzene	ND	0.050		mg/L	10	11/15/2023
2-Butanone	ND	0.20		mg/L	10	11/15/2023
Carbon tetrachloride	ND	0.050		mg/L	10	11/15/2023
Chlorobenzene	ND	0.050		mg/L	10	11/15/2023
Chloroform	ND	0.050		mg/L	10	11/15/2023
1,2-Dichloroethane	ND	0.050		mg/L	10	11/15/2023
1,1-Dichloroethene	ND	0.050		mg/L	10	11/15/2023
Tetrachloroethene	ND	0.050		mg/L	10	11/15/2023
Trichloroethene	ND	0.050		mg/L	10	11/15/2023
Vinyl chloride	ND	0.050		mg/L	10	11/15/2023

**TCLP Semivolatile Organic Compounds** **SW1311/8270C (SW3510C)** Prep Date: 11/15/2023 Analyst: TEM  
*IEPA ELAP 100445*

1,4-Dichlorobenzene	ND	0.010		mg/L	1	11/16/2023
2,4-Dinitrotoluene	ND	0.010		mg/L	1	11/16/2023
Hexachlorobenzene	ND	0.010		mg/L	1	11/16/2023
Hexachlorobutadiene	ND	0.010		mg/L	1	11/16/2023
Hexachloroethane	ND	0.010		mg/L	1	11/16/2023
Nitrobenzene	ND	0.010		mg/L	1	11/16/2023
2-Methylphenol	ND	0.010		mg/L	1	11/16/2023
3- & 4-Methylphenol	ND	0.010		mg/L	1	11/16/2023
Pentachlorophenol	ND	0.050		mg/L	1	11/16/2023
Pyridine	ND	0.010		mg/L	1	11/16/2023
2,4,5-Trichlorophenol	ND	0.010		mg/L	1	11/16/2023
2,4,6-Trichlorophenol	ND	0.010		mg/L	1	11/16/2023

**PCBs** **SW8082A (SW3550B)** Prep Date: 11/15/2023 Analyst: LV

*IEPA ELAP 100445*

Aroclor 1016	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1221	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1232	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1242	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1248	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1254	ND	0.091		mg/Kg-dry	1	11/15/2023
Aroclor 1260	ND	0.091		mg/Kg-dry	1	11/15/2023

**TCLP Pesticides** **SW1311/8081B (SW3510C)** Prep Date: 11/15/2023 Analyst: GVC  
*IEPA ELAP 100445*

Chlordane	ND	0.0050		mg/L	1	11/15/2023
Endrin	ND	0.00050		mg/L	1	11/15/2023
gamma-BHC	ND	0.0025		mg/L	1	11/15/2023

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded



**Report Date:** November 17, 2023  
**Print Date:** November 17, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** WC / 111423  
**Work Order:** 23110413 Revision 0 **Tag Number:**  
**Project:** A2237020, Brighton Park, Chicago, IL **Collection Date:** 11/14/2023 11:00:00 AM  
**Lab ID:** 23110413-001A **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Pesticides</b>	<b>SW1311/8081B (SW3510C) Prep Date: 11/15/2023 Analyst: GVC</b>					
<i>IEPA ELAP 100445</i>						
Heptachlor	ND	0.00025		mg/L	1	11/15/2023
Heptachlor epoxide	ND	0.00025		mg/L	1	11/15/2023
Methoxychlor	ND	0.00025		mg/L	1	11/15/2023
Toxaphene	ND	0.0050		mg/L	1	11/15/2023
<b>Herbicides, TCLP Leached</b>	<b>SW1311/8321B (SW3510C) Prep Date: 11/15/2023 Analyst: MEP</b>					
<i>IEPA ELAP 100445</i>						
2,4,5-TP (Silvex)	ND	0.0010		mg/L	1	11/15/2023
2,4-D	ND	0.0020		mg/L	1	11/15/2023
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A) Prep Date: 11/15/2023 Analyst: MMR</b>					
<i>IEPA ELAP 100445</i>						
Arsenic	ND	0.010		mg/L	5	11/16/2023
Barium	0.33	0.050		mg/L	5	11/16/2023
Cadmium	ND	0.0050		mg/L	5	11/16/2023
Chromium	ND	0.010		mg/L	5	11/16/2023
Copper	ND	0.10		mg/L	5	11/16/2023
Lead	0.0079	0.0050		mg/L	5	11/16/2023
Nickel	0.028	0.010		mg/L	5	11/16/2023
Selenium	ND	0.010		mg/L	5	11/16/2023
Silver	ND	0.010		mg/L	5	11/16/2023
Zinc	0.36	0.050		mg/L	5	11/16/2023
<b>TCLP Mercury</b>	<b>SW1311/7470A Prep Date: 11/16/2023 Analyst: JB2</b>					
<i>IEPA ELAP 100445</i>						
Mercury	ND	0.00020		mg/L	1	11/16/2023
<b>Cyanide, Reactive</b>	<b>SW7.3.3.2 Prep Date: 11/15/2023 Analyst: MD</b>					
Reactive Cyanide	ND	1.0	*	mg/Kg	1	11/16/2023
<b>Sulfide, Reactive</b>	<b>SW7.3.4.2 Prep Date: 11/14/2023 Analyst: MD</b>					
Reactive Sulfide	ND	10	*	mg/Kg	1	11/14/2023
<b>Phenolics</b>	<b>SW9066 (SW9065) Prep Date: 11/14/2023 Analyst: MD</b>					
<i>IEPA ELAP 100445</i>						
Phenolics, Total Recoverable	ND	0.57		mg/Kg-dry	1	11/14/2023
<b>pH (25 °C)</b>	<b>SW9045C Prep Date: 11/14/2023 Analyst: LJ1</b>					
<i>IEPA ELAP 100445</i>						
pH	7.97			pH Units	1	11/14/2023
<b>Flash Point (Open-Cup)</b>	<b>SW1010(M) Prep Date: 11/14/2023 Analyst: EAA</b>					
Flashpoint	No flash up to 212		*	°F	1	11/14/2023
<b>Percent Moisture</b>	<b>D2974 Prep Date: 11/14/2023 Analyst: AS1</b>					

**Qualifiers:** ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis  
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 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits  
 HT - Sample received past holding time E - Value above quantitation range  
 \* - Non-accredited parameter H - Holding time exceeded



**Report Date:** November 17, 2023  
**Print Date:** November 17, 2023

## Analytical Results

**Customer:** Terracon Consultants, Inc. **Customer Sample ID:** WC / 111423  
**Work Order:** 23110413 Revision 0 **Tag Number:**  
**Project:** A2237020, Brighton Park, Chicago, IL **Collection Date:** 11/14/2023 11:00:00 AM  
**Lab ID:** 23110413-001A **Matrix:** Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: <b>11/14/2023</b> Analyst: <b>AS1</b>
Percent Moisture	12.8	0.2	*	wt%	1	11/15/2023
<b>Solids, Total</b>	<b>D2974</b>					Prep Date: <b>11/14/2023</b> Analyst: <b>AS1</b>
Total Solid	87.2	0.2	*	wt%	1	11/15/2023
<b>Paint Filter</b>	<b>SW9095A</b>					Prep Date: <b>11/14/2023</b> Analyst: <b>EAA</b>
IEPA ELAP 100445						
Paint Filter	Pass			Pass/Fail	1	11/14/2023

**Qualifiers:**

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded





### Sample Receipt Checklist

Customer: TERRACON-CHICAGO

Date and Time Received: 11/14/2023 1:19:00 PM

Work Order Number 23110413

Received by: JMH

Checklist completed by: [Signature] Date: 11/14/23

Reviewed by: [Initials] Date: 11/15/2023

Matrix: Carrier name: Client Delivered

- 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/containers? 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 or Temp Blank temperature in compliance? Yes  No  Temperature On Ice °C
- Water - VOA vials have zero headspace? No VOA vials submitted Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

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Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## A2237020 - 3710 S. California WC Sample

O'Brien, Richard M <Rich.O'Brien@terracon.com>

Tue 11/14/2023 2:34 PM

To:Justice Kwateng <jkwateng@TheSterlingLab.com>;Craig Chawla <cchawla@TheSterlingLab.com>

Cc:Swenson, Steve R <steves@st-ma.com>

📎 1 attachments (367 KB)

COC - WC.jpg;

Hi Justice,

Regarding attached STAT COC No. 100467 submitted today for our A2237020 - 3710 S. California project, can you please analyze sample WC / 111423 for the following on your fastest turnaround:

-Code R plus PCBs

-TCLP Pesticides/Herbicides

Please advise approximately how fast results could be delivered.

Thanks,

Richard O'Brien, P.E.

Senior Environmental Engineer



650 West Lake Street, Suite 420 | Chicago, IL 60661

D (312) 489-5501 O: (312) 575-0014 | C [REDACTED]

[rmobrien@terracon.com](mailto:rmobrien@terracon.com) | [terracon.com](http://terracon.com)

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Laraway RDF  
 21233 W. Laraway Rd  
 Joliet, IL, 60436  
 Ph: 815 727 6148

Reprint  
 Ticket# 1731882

Customer Name RW Collins 637651IL RW Collin Carrier AOA AOA  
 Ticket Date 11/21/2023 Vehicle# 116 Volume 15.0  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0012974  
 State Waste Code Gen EPA ID  
 Manifest 1  
 Destination Grid  
 PO  
 Profile 637651IL (EXCAVATED SOIL)  
 Generator 117-CITY OF CHICAGO AIS 3710 CITY OF CHICAGO (S CALIFORNIA AVE)

	Time	Scale	Operator	Inbound	Gross	63620 lb
In	11/21/2023 10:41:14	Inbound 3	twashi17		Tare	30460 lb
Out	11/21/2023 10:41:14		twashi17		Net	33160 lb
					Tons	16.58

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	16.58	Tons				COOK
2 WWMT-WASTE WATER M	100	16.58	Tons				COOK

Total Tax  
 Total Ticket

Driver`s Signature



Laraway RDF  
 21233 W. Laraway Rd  
 Joliet, IL, 60436  
 Ph: 815 727 6148

Reprint  
 Ticket# 1731887

Customer Name RW Collins 637651IL RW Collin Carrier MIRANDA MIRANDA  
 Ticket Date 11/21/2023 Vehicle# 131 Volume 15.0  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0012974  
 State Waste Code Gen EPA ID  
 Manifest 1  
 Destination Grid  
 PO  
 Profile 637651IL (EXCAVATED SOIL)  
 Generator 117-CITY OF CHICAGO AIS 3710 CITY OF CHICAGO (S CALIFORNIA AVE)

	Time	Scale	Operator	Inbound	Gross	63980 lb
In	11/21/2023 10:45:45	Inbound 1	MDELAR		Tare	29580 lb
Out	11/21/2023 10:45:45		MDELAR		Net	34400 lb
					Tons	17.20

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	17.20	Tons				COOK
2 WWMT-WASTE WATER M	100	17.20	Tons				COOK

Total Tax  
 Total Ticket

Driver`s Signature