VOLUME 2

BIDDING REQUIREMENTS, CONTRACT FORMS, CONTRACT CONDITIONS AND SPECIFICATIONS FOR

CITY OF NORTH CHICAGO
SHERIDAN CROSSING SOIL REMEDIATION

MAYOR – LEON ROCKINGHAM, JR.

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PUBLIC WORKS SUPERINTENDENT – CLARENCE JOHNSON
UTILITY DISTRIBUTION CREW LEADER – ADAM MARCINIAK

BID DUE: **Wednesday June 11th, 2025, 11:00 AM Local Time.**

NON-MANDATORY PRE-BID Meeting: **Wednesday May 28th, 2025, 9:00 AM Local Time at 2028 Sheridan Road, North Chicago, IL**

Prepared by:

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Not For Public Distribution

North Chicago/Sheridan Crossing
Former Lavin Property
RCRA "Clean" Closure Plan Modification

Facility Idenification:
City of North Chicago, Former Lavin Property
2028 Sheridan Road
North Chicago
Lake County
Site # (IEPA): ILD0971250007
Site No. (USEPA): ILN000508448
Log No. C-656-M-26

Prepared for:
Illinois Environmental Protection Agency
REV: 0
February 28, 2025

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1.0 Purpose, Objective, Background

The City of North Chicago (City) took ownership of the former R. Lavin & Sons, North Chicago Refiners (Lavin) property in May 2006 after bankruptcy filings by Lavin. During years of Lavin operations, the plant operated prior to environmental regulations and standards. Once regulations were promulgated, the Lavin facility had repeated and numerous periods of non-compliance with environmental regulations. Although not a traditional landfill, the site-wide deposition of foundry sands, slags, and smelter residues having characteristics as a hazardous waste for lead (Pb) toxicity content, resulted in the property's designation as an interim status RCRA landfill. Lavin chose the most economical means of closure allowed under RCRA under Illinois EPA approval:

- Rather than removing or treating the hazardous waste, Lavin closed the site as a RCRA hazardous waste landfill by placing asphalt and/or concrete cover across the layer of foundry residues buried across the site from property line to property line.

Lavin's RCRA "closure" then resulted in RCRA post-closure monitoring and maintenance activities from 1992 until Lavin's Bankruptcy in May 2006, when the City of North Chicago took ownership of the orphan site. The site has remained remarkably stable since the City undertook a comprehensive program of site-wide demolition, disposal, site grading, and placement of a new RCRA soil cap with stable vegetative cover in 2006-2007. Groundwater beneath the site continues to show stability for site compounds of concern and consistently demonstrates achievement of applicable groundwater quality standards on, under, and at the perimeter of the property. The RCRA post-closure activities have been ongoing for 33 years.

The purpose and intent of this document is to modify the closure plan to remove hazardous waste and its constituents from the former R. Lavin & Sons site and achieve a clean RCRA closure that removes the site from RCRA post-closure care.

2.0 Applicable Regulatory Standards

2.1 Closure Performance Standard (Section 725.211)

The City of North Chicago modified closure minimizes the need for further maintenance by treating and removing hazardous waste and constituents to an off-site IEPA or WDNR-permitted Subtitle D landfill disposal facility.

- The closure controls, minimizes, or eliminates, to the extent necessary to adequately protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off or hazardous waste decomposition products to the ground or surface waters or to the atmosphere; and

- The closure complies with the closure requirements of this Part, including, but not limited to, the requirements of Sections 725.297, 725.328, 725.358, 725.380, 725.410, 725.451, 725.481, 725.504, and 725.1102.

- In order to avoid further RCRA requirements following removal of impacted soils, the City will remove all hazardous waste and manage all impacted soil from past industrial site use above the industrial/commercial remedial objectives (RO's) established for the site under the Illinois EPA Site Remediation Program (SRP), further described in Section 3.2.1.

Section 3 provides additional descriptive details of the planned treatment, removal, and permanent off-site disposal of the heavy metal, specifically, lead (Pb)-based hazardous waste layer left behind on the site by Lavin/North Chicago Smelter. An isolated PCB-impacted soil area will also be cleaned up under this plan.

2.2 RCRA Financial Assurance Requirements

As described in the January 15, 2025, Project Status Update Email, the City agrees to the contemporary Financial Assurance policy offered by IEPA. This policy would require the City to establish Financial Assurance for 27% of the grand total of the cost estimate and ensure only two (2) sub-areas have their final cover system removed and exposed at one given time.

The current Closure Cost Estimate for the project is $**6,700,000.00**. This cost includes the average of seven bids, direct pay items procured/paid by the owner, monitoring well abandonment & installation, groundwater monitoring costs, and a 10% contingency. Using the above financial assurance policy, the City will be required to provide Financial Assurance for **$1,809,000.00.** ($6,700,000.00 * 0.27) The City plans to provide a surety bond or letter of credit in the amount of $1,809,000.00 to resolve this financial assurance compliance condition.

2.3 USEPA AOC Policy

IEPA[1] and the City of North Chicago have acknowledged that USEPA's Area of Contamination (AOC) policy allows for the movement of the TCLP Pb hazardous soil residues within the boundary of the 17.6-acre RCRA site where other characteristic TCLP Pb hazardous soils are currently present, to facilitate treatment to non-hazardous level, staging, and waste load out for transport to a Subtitle D Landfill as special waste. The management of wastes, residues, buried construction/demolition debris during a modified closure of the site is described in Section 3.3.

2.4 PCBs – USEPA Toxic Substances Control Act (TSCA)

Elevated levels of PCBs were detected in soil above the IEPA TACO Tier 1 Remedial Objectives for Industrial/Commercial Properties as shown on **Figure 400**. PCBs are chemicals that are regulated by United States Environmental Protection Agency (USEPA) under the Toxic Substances Control Act (TSCA) and have additional remediation objectives beyond what Illinois EPA regulates in the Illinois Site Remediation Program. USEPA breaks down the clean-up objectives into land uses representing high occupancy and low occupancy categories.

High occupancy area - means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste.

Examples could include a residence, school, day care center, sleeping quarters, a single or multiple occupancy 40 hours per week work station, a school class room, a cafeteria in an industrial facility, a control room, and a work station at an assembly line.

Low occupancy area - means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.

Examples could include an electrical substation or a location in an industrial facility where a worker spends small amounts of time per week (such as an unoccupied area outside a building, an electrical equipment vault, parking lots, open space areas or non-office space in a warehouse where occupancy is transitory).

Co-mingled PCB-impacted soil will be disposed of off-site at a TSCA approved landfill in compliance with 40 CFR Part 761.61 POLYCHLORINATED BIPHENYLS (PCBs) Remediation Waste Cleanup Levels.

[1] Gregory W. Dunn March 22, 2021 letter to Mayor Rockingham, City of North Chicago.

3.0 Closure Plan Implementation

3.1 Anticipated Schedule of Work

The anticipated schedule is attached as **Figure 100.** The City of North Chicago is required to re-bid the project as a result of receiving HUD and IL DCEO funding. Additional schedule details can be provided after contractor selection, however this estimated 9-12month schedule is deemed feasible.

3.2 Compliance with RCRA Closure Standards

3.2.1 Evaluation of Remaining Soil Impacts

IEPA's OSE conducted 2 rounds of TBA site evaluation (2022 and 2023) that included upper soil cover, waste layer and below the waste layer sampling & analysis. Once the waste layer has been treated and removed in each of the 12 designated treatment areas, subsurface and sidewall confirmation sampling will be conducted per the below confirmation grid calculation.

Figure 300 provides a revised confirmation sampling grid for post-waste removal bottom and sidewall sampling and analysis. As IEPA requires, this grid was developed using the guidance document Section 2.5.5 of IEPA's RCRA Interim Status Closure Guidance. Each bottom and sidewall will have a unique identifier number. This results in the following sample quantity for a 36 ft. x 36 ft as tabulated below:

Sheridan Crossing Confirmation Sampling Grid		
IEPA Required Grid	36 feet by 36 feet	
IEPA Number of Confirmation Samples 1 sample per 36'X36' grid = 540 samples 1 sample per 36 ft perimeter = 114 samples	654	
IEPA Required Analysis	PCBs, TCLP Lead, Total Copper, Total Chromium, Total Lead, Total Zinc, and Total Cadmium	
IEPA required Grid Size Calculation **Guidance for Preparing RCRA Closure Plans July 2003 Section 2.5.5 (3)(a.)**		
GI = (Aπ/GL)0.5	**GI = $(700{,}000\pi/1700)^{0.5}$**	**GI = 35.96661**
GL = greatest length of the area to be gridded (feet) 1,700 ft		
A = Area to be gridded (feet^2) 700,000 ft^2		
GI = grid interval (feet) 36 ft by 36 ft grid		

Each sample will be sent to PACE for analysis of site compounds of concern:

- ✓ PCBs
- ✓ Lead, zinc, copper, chromium, and cadmium

A full TACO Part 740-Appendix A analysis will also be conducted on the cover soil in each of the 12 Treatment Areas. The results of this analysis will define exposure pathway conditions that will

be eliminated using the options and land uses, engineering and institutional controls in 35 IAC Part 742 for industrial/commercial land use. Any remaining contaminated soils and groundwater not addressed through remediation or removal of hazardous waste at the site must be evaluated in accordance with 35 IAC Part 742 for all exposure routes, and the facility will be required to: (1) thoroughly address each criteria; (2) use site-specific parameters; and (3) submit copies of any calculations performed.

35 IAC Part 742 Remediation Objectives (RO) for industrial/commercial land use.

Compound of Concern	Industrial/Commercial Ingestion RO	Industrial/Commercial Inhalation RO
Total Lead	800 mg/kg	No Standard
Total Copper	82,000 mg/kg	No Standard
Total Chromium	6,100 mg/kg	420 mg/kg
Total Cadmium	2,000 mg/kg	2,800 mg/kg
Total Zinc	610,000 mg/kg	No Standard

Areas with elevated levels of PCBs will be excavated and disposed of off-site at a TSCA approved landfill in compliance with 40 CFR Part 761.61 POLYCHLORINATED BIPHENYLS (PCBs) Remediation Waste Cleanup Levels.

3.2.2 Hazardous Waste Characteristics Analysis

Hazardous waste characteristic analysis will include PCBs, TCLP Lead, copper, chromium, zinc, and cadmium. A full waste profile analysis was conducted on a representative waste sample on September 14, 2023, and was included in the Treatability Report (see **Appendix C**).

3.2.3 Groundwater Standard for RCRA Clean Closure

The City understands that to achieve RCRA Clean Closure IEPA requires that regulations identified in 35 IAC 620, 725, and 742 must be met. As part of the RCRA Closure Documentation Report that will be submitted at the completion of the RCRA Clean Closure activities each of the 35 IAC sections will be addressed. All site-specific parameters and calculations used to comply with each section will be provided in this report.

Based on November 22, 2024, discussion, the City's plan in a best-case scenario to show compliance with applicable 35 IAC 620 and 742 regulations related to clean closure for groundwater are described below.

1. Complete the removal of source material from each source area (1-12) per closure plan.
2. Complete backfilling/regrading/seeding of entire site to establish stabilized surface.
3. Collect groundwater samples to establish baseline conditions, post-source area removal.
4. Complete a slug test and collect site specific parameters per 35 IAC 742 regulations to determine applicable groundwater classification and applicable standards/remediation objectives for the site.
5. Identify contaminants of concern in groundwater above their respective standard.

6. Demonstrate compliance with 742.320 Groundwater Ingestion Exposure Route related to exposure route exclusion via the existing City of North Chicago Groundwater ordinance and applicable Institutional Controls.

Additionally, it is anticipated that this project will be rebid by the City in early 2025 with work starting in the spring/summer of 2025. The entire project is projected to be completed in 9 to 12-months; thus, the City does not expect to need a groundwater management zone (GMZ) to comply with this condition.

3.3 Construction Closure Plan Phase/Implementation

3.3.1 Existing Cover System Management

During closure construction described in Section 3.1, the existing soil and vegetative cover system will be required to be temporarily removed to facilitate access to the hazardous waste layer for treatment, confirmation treatment sampling and analysis, and final excavation/transport to off-site Subtitle D landfill. **Figure 200** shows the option of a clean cover soil staging/stockpile location on the USEPA Former Fansteel site.

Surplus existing soil cover will be utilized to backfill treated clean closure areas of the site or exported to off-site landfill or CCDD soil management facilities, based on analytical testing.

3.3.2 Hazardous Waste Management Plan

Foundry and smelter residues present at typical depths of 3 to 8 ft bgs under the RCRA soil cover at the site have leachable levels of TCLP Pb at concentrations that exceed the threshold for definition as a D008 characteristic hazardous waste, if generated as waste. The City of North Chicago has elected to implement a RCRA clean closure hazardous waste removal via in-situ treatment of lead (Pb) to non-hazardous levels, then excavation, transport, and off-site disposal at a Subtitle D Landfill. PCB impacted soil will be disposed of off-site at a TSCA approved landfill in compliance with 40 CFR Part 761.61 POLYCHLORINATED BIPHENYLS (PCBs) Remediation Waste Cleanup Levels.

During construction, foundry and smelter residues are recognizable by its dark brown/black visual color and when encountered during Area-by-Area clean surface soil cover removal will be managed as hazardous waste in the following manner, consistent with RCRA standards:

1) They will be batch stabilized with a heavy metals stabilization reagent via in situ mixing. This process was successfully utilized at the site in 2007 to 2009 during site work related to demolition, grading, and capping. The percentage by weight addition of dry reagent mixed with heavy earthmoving equipment was successful in reducing Pb content to below the TCLP characteristic threshold of 5.0 mg/L. This treated, stabilized soil will then be excavated and transported as a special waste to an off-site Subtitle D IEPA permitted landfill for final disposal.

Figure 100 Anticipated Schedule shows the Area 1 through Area 12 sequence of cover soil removal, waste treatment, and off-site disposal.

3.3.3 Evaluation of Treatment Alternatives

For this treatment process, three (3) treatment systems have been evaluated to render the lead-characteristic hazardous waste to a non-hazardous special waste (excluding the isolated area of TSCA PCB-impacted soil >50 ppm) suitable for Subtitle D landfill disposal, as shown in the following matrix.

Table 1 – Justification/Comparison of Treatment Alternatives

	Free Flow 200 Reagent	Enviroblend Heavy Metals Reagent	MaecTite Treatment Reagent
Estimated Reagent Cost	$748,890.00	$1,254,510.00	$993,750.00
Effectiveness	Proven past use at Sheridan Crossing		Proven historical use in 26 states. Company guarantee following treatment study
Application Method	Dry mixture, 3% by weight	Dry mixture, 3% by weight	2 to 3 step process using liquid reagent
Additional Information	Adds approximately 2,385 tons of material to disposal costs	Adds approximately 2,385 tons of material to disposal costs	No added volume from treatment. $116,268.75 reduction in disposal costs due to no reagent bulking.

The City of North Chicago successfully conducted heavy metals (lead) treatment for the former Lavin stormwater pond residuals using a 3% admixture of Free Flow 200. The City has also conducted treatability testing in 2023 and 2024 at 2%, 3%, and 4% admixtures of Free Flow 200 using representative waste samples collected during IEPA's TBA investigation (**see Appendix C**). On this basis, we recommend IEPA approve the use of Free Flow 200 to treat the characteristic hazardous lead (greater than 5 mg/L) concentrations in the former Lavin slag/foundry sand residues. The clarifications requested by IEPA are as follows: 3% Free Flow is the proper waste admixture to utilize as demonstrated by additional treatability testing conducted by Deigan on August 24, 2023, and February 9, 2024, with corresponding lab reports dated September 14, 2023 and February 27, 2024. A 4% Free Flow admixture was effective, but raised the pH to nearly 12.5, which can be problematic for a Subtitle D landfill to accept.

Metals (mg/L)	WP-A1 (untreated) 8/24/2023	WP-B1 (treated 4%) 8/24/2023	WP-A2 (untreated) 8/24/2023	WP-B2 (treated 4%) 8/24/2023	CS-1-No FF 200 (untreated) 2/9/2024	CS-2+2% FF 200 (treated) 2/9/2024	CS-3+3% FF 200 (treated) 2/9/2024
Arsenic, TCLP	<0.050	<0.050	<0.050	<0.050	---	---	---
Barium, TCLP	1.1	0.54	0.96	0.59	---	---	---
Cadmium, TCLP	0.36	<0.0050	0.30	<0.0050	---	---	---
Chromium, TCLP	<0.025	<0.025	<0.025	<0.025	---	---	---
Lead, TCLP	14	2.4	9.8	2.4	19.0	9.0	2.8
Selenium, TCLP	0.027	<0.050	0.032	<0.050	---	---	---
Silver, TCLP	<0.025	<0.025	<0.025	<0.025	---	---	---
Mercury, TCLP	<0.00020	<0.00020	<0.00020	<0.00020	---	---	---
pH	8.6	12.4	9.1	12.4	7.21	11.91	11.99

**Full waste profile results included with Appendix C Treatability Report.*

3.3.4 Estimated Waste Quantity

Landfill disposal quantity of waste is based on the estimated thickness of waste beneath the clean soil cover in each individual area. Geology of the site is known from soil boring logs from the IEPA and the Deigan Group's soil investigation. The geology of the site is shown in the cross

sections included as **Figure 500**. The waste is characterized by black/brown color and descriptions of slag, foundry sand, building debris. The waste thickness by "Area" is defined by both the borings and average thickness over the entire "Area". This allows for the best understanding of the potential magnitude of the treatment and disposal scope. All RCRA and TSCA PCB waste will be removed when encountered.

3.3.5 Groundwater Monitoring Network

The existing on-site monitoring wells (S-series and D-series numbered wells) will be abandoned in accordance with Illinois Water Well Construction Code Section 920.120 when applicable and Lake County Health Department standards and procedures prior to any soil cover system or waste handling work. Specifically, the well casings will be removed to at least 2 feet below final grade and filled with bentonite chips. We have added this task to the project schedule in Task 3.

Additionally, following review of the IEPA Figure 1 showing new well locations from the January 15, 2025 email, we have updated our **Figure 800** to reflect the IEPA locations for the three (3) downgradient wells. As required by IEPA, the City will maintain a groundwater monitoring system in accordance with 35 IAC 725.191, until clean closure has been certified and approved by the Illinois EPA. The City will maintain four (4) new deep monitoring wells consisting of one upgradient well and three downgradient wells. To ensure the new downgradient wells are monitoring the same hydrogeologic zone as the current D-series monitoring wells, the new wells will be 2-inch PVC wells drilled to a depth of 40 feet below ground surface. They will have a 10-foot screen from 30 feet to 40 feet below ground surface.

3.3.6 Worker Health & Safety Plan

Modified Closure Plan Work associated with direct handling and treatment of hazardous waste will be conducted by OSHA hazwoper trained workers under a worker health & safety plan (HASP) that defines work zones (exclusion, contamination reduction, support), decontamination processes, worker monitoring, and levels of personal protective equipment (PPE).

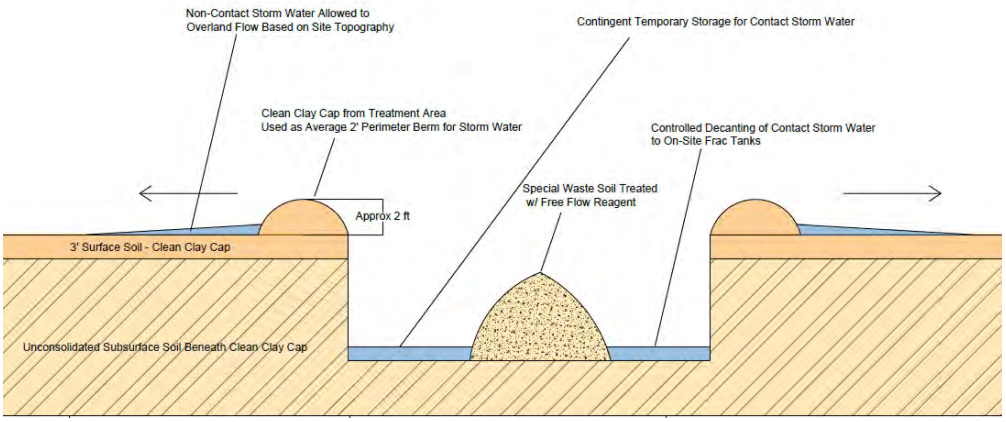
3.3.7 Stormwater Management

As described in the October 2024 submittal, the City will minimize contact water/leachate generation during this project by:

- Diverting/redirecting run-on from active treatment areas.
- Only opening cover soil from 2 treatment areas of untreated waste at any one time.
- Covering untreated waste piles with polyethylene during anticipated storm events.

As the 3-foot average soil cover is stripped from the treatment areas (1-12) it will be used as a run-on diversion berm (approx. 2' tall), providing containment of precipitation that falls in the treatment area and diversion of run-on from non-contact areas of the site.

Treatment Area Storm Water Management
Typical Cross Section



In the event the open excavation areas begin to accumulate standing water the following procedure will be followed by on-site contractors to maintain compliance with IEPA requirements.

- 3-inch trash pumps with suction hose and strainer will be used for controlled decanting of contact stormwater to on-site frac tanks with secondary containment tray for temporary holding.
- Once a frac tank is full, the City's environmental consultant will collect a representative sample from the frac tank analyzed for the identified COCs - PCBs, lead, copper, zinc, chromium, and cadmium.
- Since the water will have potentially contacted a characteristic hazardous waste and <u>not</u> a listed hazardous waste, the contact water sample results will be compared to applicable universal treatment standards to determine if results are below hazardous toxicity thresholds.

Applicable Universal Treatment Standards	
PCBs	0.10 mg/L
Cadmium	0.69 mg/L
Chromium (total)	2.77 mg/L
Copper	No USEPA Universal Treatment Standard
Lead	0.69 mg/L
Zinc	2.61 mg/L

- If results show the contact water has <u>no</u> COCs above the universal treatment standards, then the water will be considered nonhazardous and will be disposed of at an off-site wastewater treatment facility that can accept the liquid within their own permit limits.

- If results show the contact water has COCs above the universal treatment standards, then it will be deemed a hazardous waste per the contained-in policy and the water will be disposed of off-site as hazardous waste within 90 days of generation via licensed hazardous waste haulers.

image source - https://reconoutfitters.com/products/spill-cont-liners

4.0 Final Design Report

4.1 IEPA Required Contents of Final Design Report as Future Submittal

Follow submittal of this Revised Clean Closure Plan, the City understands IEPA then requires the City to submit a Final Design Report. The required content of this report is described in the IEPA letter dated August 19, 2024 and summarized below. IEPA further indicates that clean closure work may not commence until the Final Design Report is approved by IEPA.

- ✓ Results of all Sampling Conducted for the City and Analysis
- ✓ Physical Perimeter Erosion, Wind Dust Control, Preventative Measures
- ✓ Stabilization and Preventative Measures at Entrance and Exit
- ✓ Health and Safety Plan
- ✓ Final Design Report Must Include Samples to be Collected from Existing Soil Cover
- ✓ Estimated Waste Quantity
- ✓ Proper Exposure Route Evaluation

5.0 Closure Documentation

5.1 Certification of Revised Closure

At the completion of the Closure Plan Modification work, the City of North Chicago under the signature of an Illinois Licensed Professional Engineer will submit a closure certification report demonstrating and documenting that the IEPA-approved Closure Plan modification was completed in compliance with the plan. If any deviations from the plan were necessary, they will be fully described and justified. The closure certification report will document all treatment, confirmation sampling/analysis to applicable clean standards, waste manifests, and photo documentation. The closure certification report may be submitted as a partial submittal as key groups of RCRA - regulated property areas are completed to allow for timely construction development and infrastructure work to proceed in "clean" closed areas. IEPA Form LPC 668, as shown below will be utilized to accompany the report. A final certification report will address the entire 17.6-acre interim status RCRA site.

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

RCRA Interim Status Closure Certification Statement

To meet the requirements of 35 Ill. Adm. Code 725.215, this statement is to be completed by a responsible officer of the owner/operator (as defined in 35 Ill. Adm. Code 702.126) and an independent licensed professional engineer upon completion of interim status closure of a hazardous waste management unit.

Facility Name:

Illinois EPA Identification Number:

USEPA Identification Number:

Illinois EPA Closure Log No.:

Name of Unit(s) Being Closed:

The hazardous waste management unit(s) identified above has/have been closed in accordance with the specifications in a plan approved with conditions and modifications by Illinois EPA. A report demonstrating closure was carried out in accordance with the approved plan is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

_____ Date

Signature of Owner/Operator Responsible Officer

Name and Title of Owner/Operator

_____ Date

Signature of Licensed P.E

Name of Licensed P.E. and Ill. License No.

Mailing Address of P.E.:

Licensed P.E.'s Seal:

Mail Address

City

State Zip Code

532-2939
LPC 666 JKM:s:\rcra-interim-status-closure-certification.doc

Figure 100

Gantt Proposed Schedule

Rev 2.
2/7/2025

Anticipated Schedule of Work
North Chicago
Sheridan Crossing TACO Remediation

ACTIVITY / TASK	Weeks 1 - 40																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1. IEPA Closure Plan Approval, Mobilization/Site Prep, SEC Fence																																								
1a. Abandon Existing On-Site Wells																																								
1b. Install new monitor well network one upgradient & three downgradient																																								
2. Area 1 + 2																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Load + Transport PCB Impacted Soil to TSCA Landfill																																								
F. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
G. Additional Excavation Contingent on Confirmation Samples																																								
3. Area 3 + 4																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
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C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
6. Area 9 + 10																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
7. Area 11 + 12																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Load + Transport PCB Impacted Soil to TSCA Landfill																																								
F. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
G. Additional Excavation Contingent on Confirmation Samples																																								
8. Regrading/Backfill of Confirmed Clean-Closed Treatment Areas																																								
9. Excavation/Load-Out, Transport, Disposal of Soil NOT meeting clean																																								
10. RCRA Clean Closure Documentation, Report Submittal to																																								

Figure 200

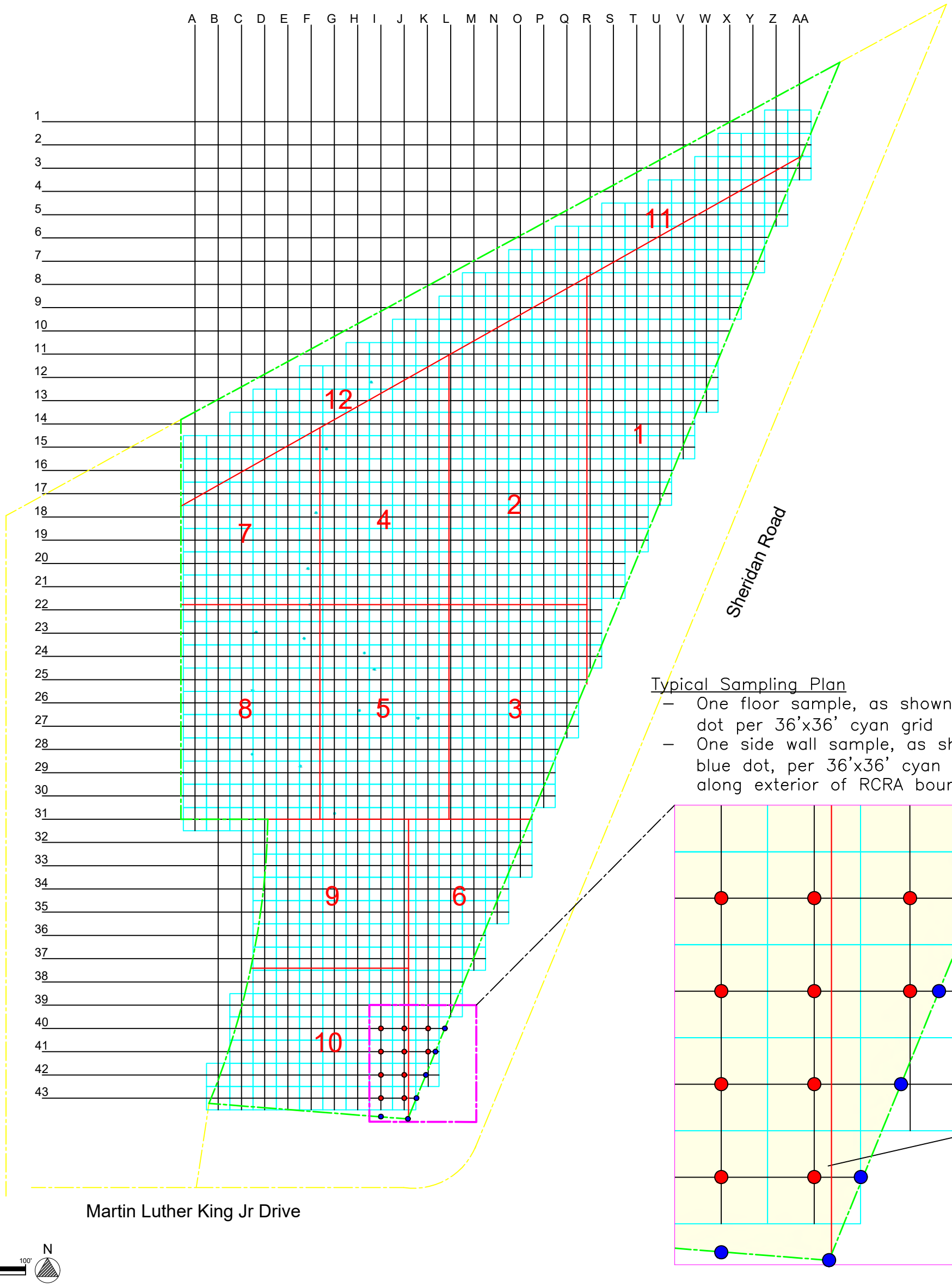
Site Preparations, Erosion Control, Site Security Plan

Date 2/9/2023	Site Preparations, Erosion Control, Site Security Plan	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	
200	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

No.	Date	Description	By

Figure 300

Confirmation Sampling Grid



Typical Sampling Plan

- One floor sample, as shown by red dot per 36'x36' cyan grid
- One side wall sample, as shown by blue dot, per 36'x36' cyan grid along exterior of RCRA boundary.

Property Line
IEPA–RCRA Area
Required IEPA Sampling Grid (36' x 36')
Treatment Areas (1 thru 12)
Grid Floor Confirmation Sample
Grid Sidewall Confirmation Sample

Date 2/28/2025	Plan View Confirmation Sampling Grid Response to IEPA	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	No. / Date / Description / By
300	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

Figure 400

IEPA TBA Soil Boring Locations, TCLP Pb and PCB Clean Closure Areas

Property Line | Boring Exceeding 5 mg/L | Boring Not Exceeding 5 mg/L

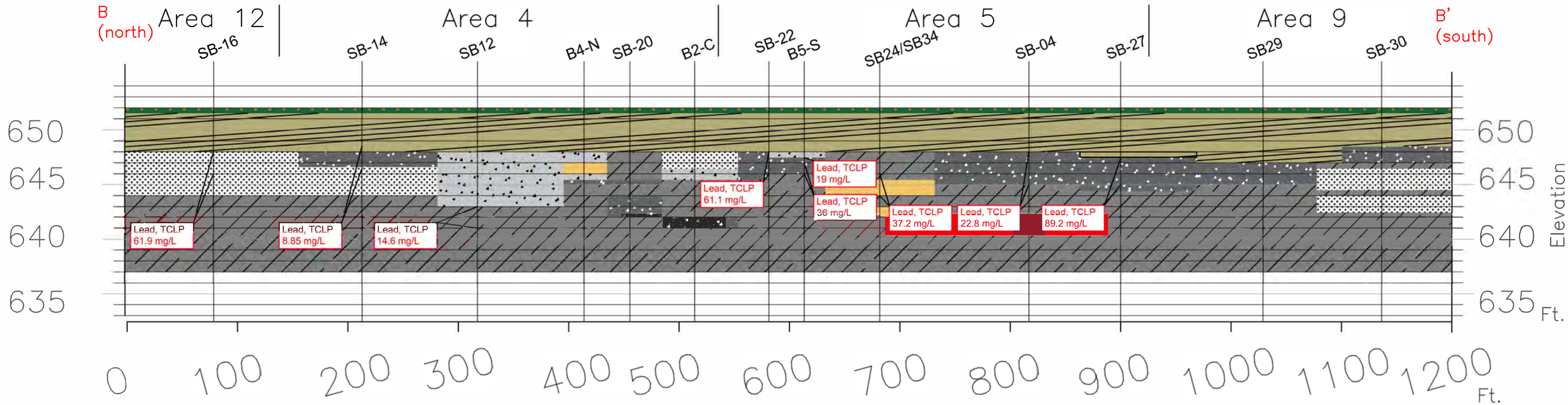
Existing Monitoring Well | 25'x25' PCB Dig Area

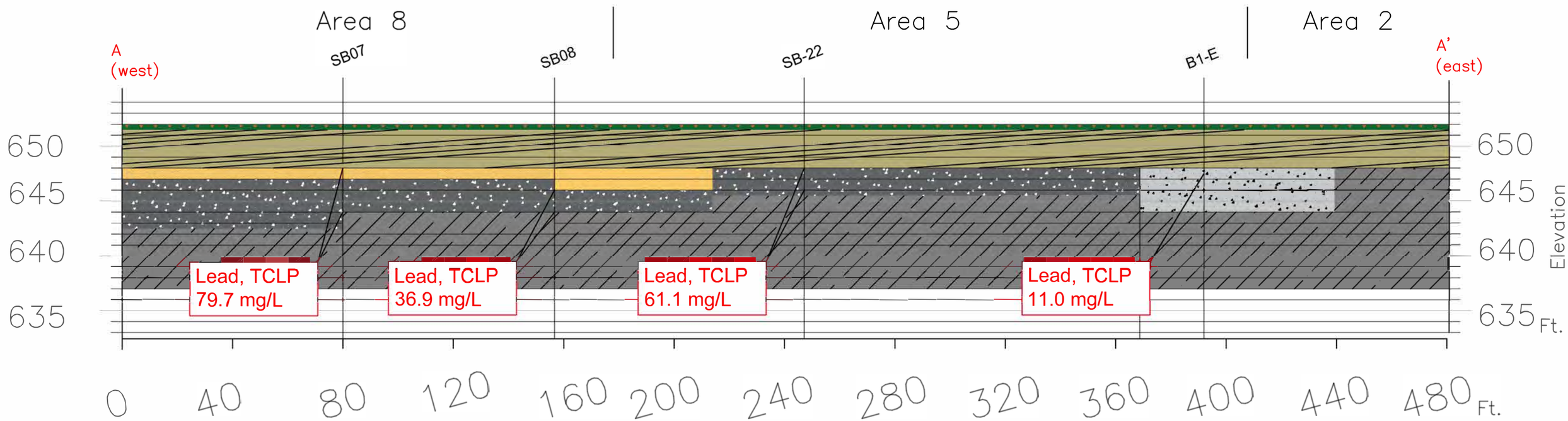
N

Date 2/6/2024	IEPA TBA Soil Boring Locations TCLP Pb and PCB Clean Closure Areas	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	No. / Date / Description / By
400	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

Figure 500

Cross Sections





Legend

Top Soil		Slag/Foundry Sand	
Pea Gravel		Concrete/ Demo Debris	
Native Clay		(Silty) Sand	Clay (Fill)

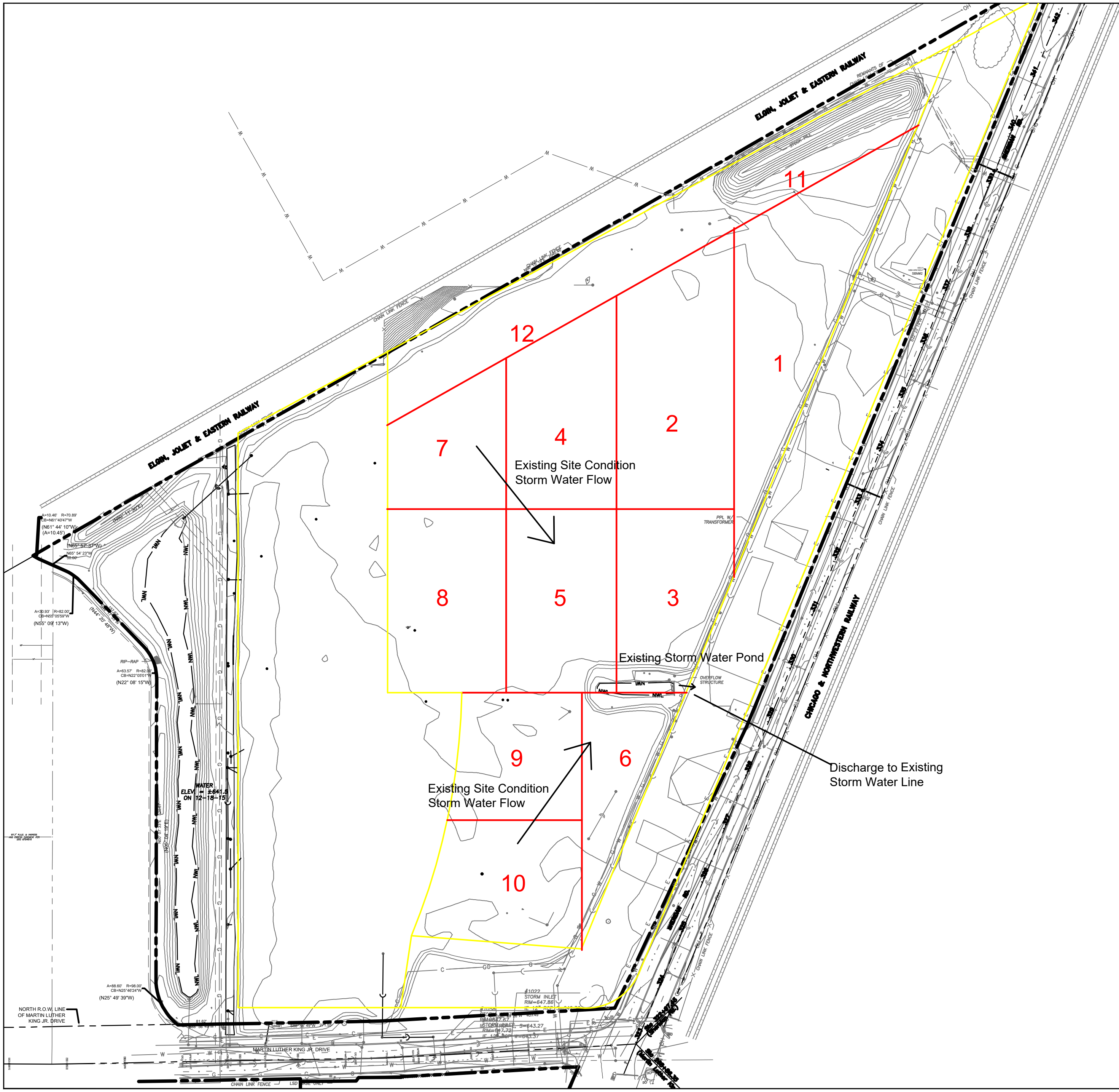
Notes:

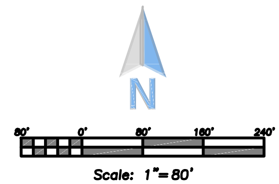
1. *Measurements made in feet. Elevations of top of soil cover is static 652' ASL*
2. *The waste thickness by "Area" is not defined by just the borings, but is an average thickness over the entire "Area" just for planning the potential magnitude of the treatment and disposal scope.*

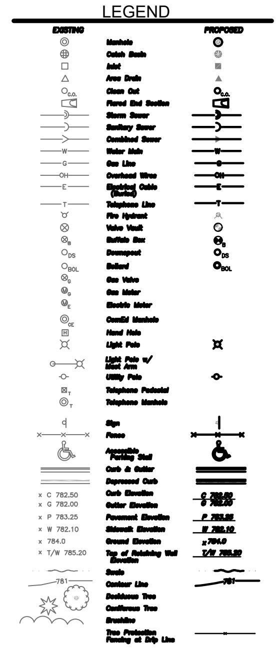
Date 2/9/2023 21-016	Cross-Sectional Views	**the deigan group** environmental managers/consultants
500	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044 Approved By: GD · Designed By: CB · Drawn By: CB

Figure 600

Existing Site Drainage







GENERAL NOTES

1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
3. Notify The Owner, Engineer and The City of North Chicago A Minimum of 48 Hours In Advance of Performing Any Work.
4. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It Is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
5. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) and Stake All Site Improvements Accordingly.
6. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
7. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
8. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As a Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For The Basin(s), Watermain and Valve and Appurtenance Locations.
9. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

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EXPIRES: 04/30 2021

SHERIDAN CROSSING
PRELIMINARY ENGINEERING
MLK JR DR AND SHERIDAN ROAD
NORTH CHICAGO, ILLINOIS

Reserved for Seal:

No.	Date	Description
	01.28.21	PRESUBMITTAL MEETING
	02.09.21	ENTITLEMENT PACKAGE
	03.19.21	CITY REVIEW
	03.26.21	PERMIT REVISIONS

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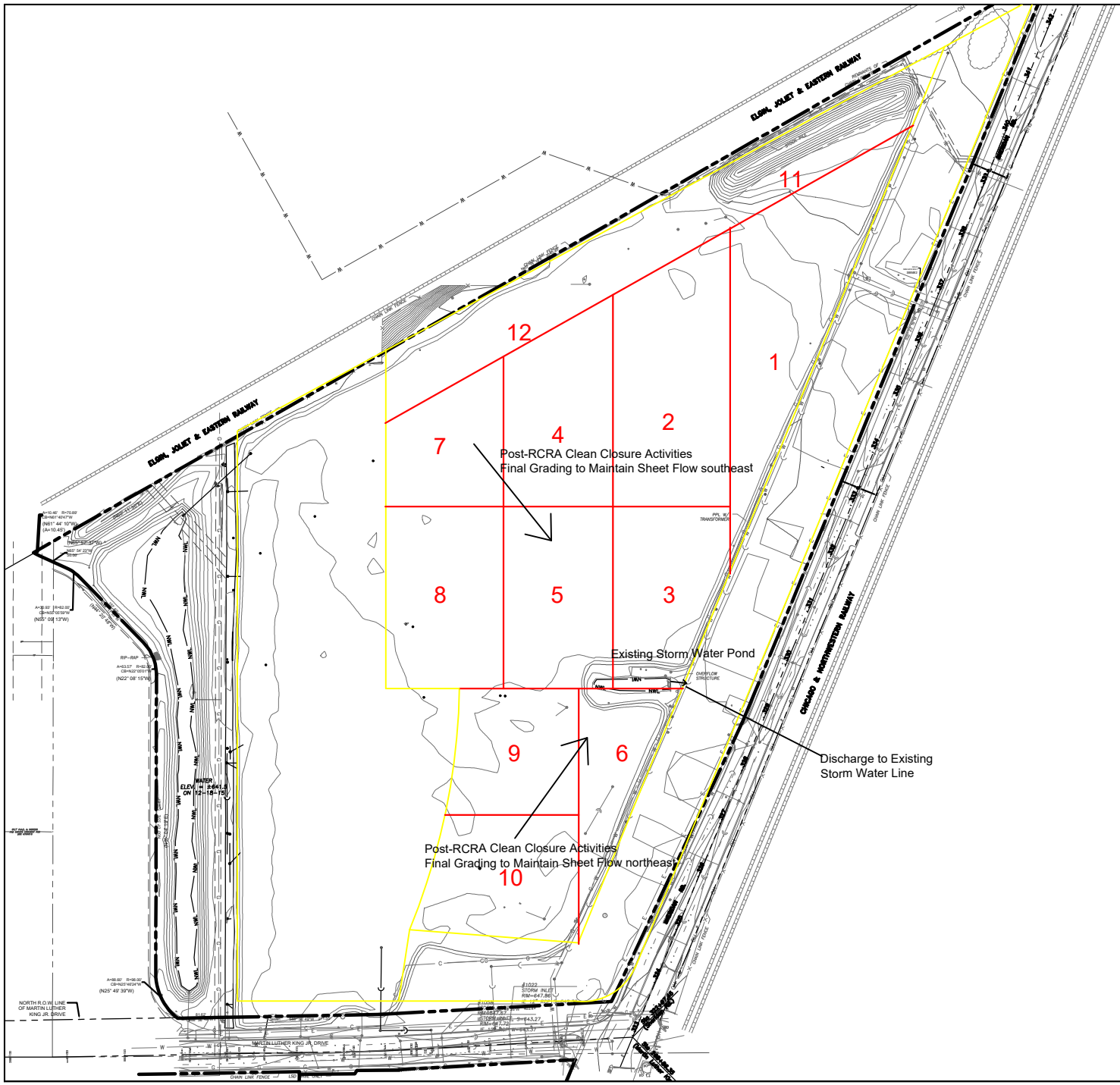
Design By:	Approved By:	Date:
TOB	CK	03.26.2021

Sheet Title:
EXISTING SITE CONDITION

Sheet No.
C100

Figure 700

Post RCRA closure activities Site Drainage



N

80' 0' 80' 160' 240'

Scale: 1"=80'

LEGEND

EXISTING		PROPOSED
	Manhole	
	Catch Basin	
	Inlet	
	Area Drain	
	Clean Out	
	Flared End Section	
	Storm Sewer	
	Sanitary Sewer	
	Combined Sewer	
	Water Main	
	Gas Line	
	Overhead Wires	
	Underground Cable (Electric)	
	Telephone Line	
	Fire Hydrant	
	Valve Vault	
	Buffalo Box	
	Downspout	
	Bollard	
	Gas Valve	
	Gas Meter	
	Electric Meter	
	Conduit Manhole	
	Hand Hole	
	Light Pole	
	Light Pole w/ Hand Area	
	Utility Pole	
	Telephone Pedestal	
	Telephone Manhole	
	Sign	
	Fence	
	Accessible Parking Stall	
	Curb & Gutter	
	Depressed Curb	
× C 782.50	Curb Elevation	C 782.50
× G 782.00	Gutter Elevation	G 782.00
× P 783.25	Pavement Elevation	P 783.25
× W 782.10	Sidewalk Elevation	W 782.10
× 784.0	Ground Elevation	x 784.0
× T/W 785.20	Top of Retaining Wall Elevation	T/W 785.20
781	Basin	781
	Contour Line	
	Deciduous Tree	
	Coniferous Tree	
	Shrubbs	
	Tree Protection Fencing at Drip Line	

GENERAL NOTES

1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On the Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility in The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately if Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
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7. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
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700

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No.	Date	Description
	01.05.21	PRELIMINARY MEETING
	02.05.21	ENTITLEMENT PACKAGE
	03.19.21	CITY REVIEW
	03.26.21	PERMIT REVISIONS

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Design by	Approved by	Date
TCB	CK	03.26.2021

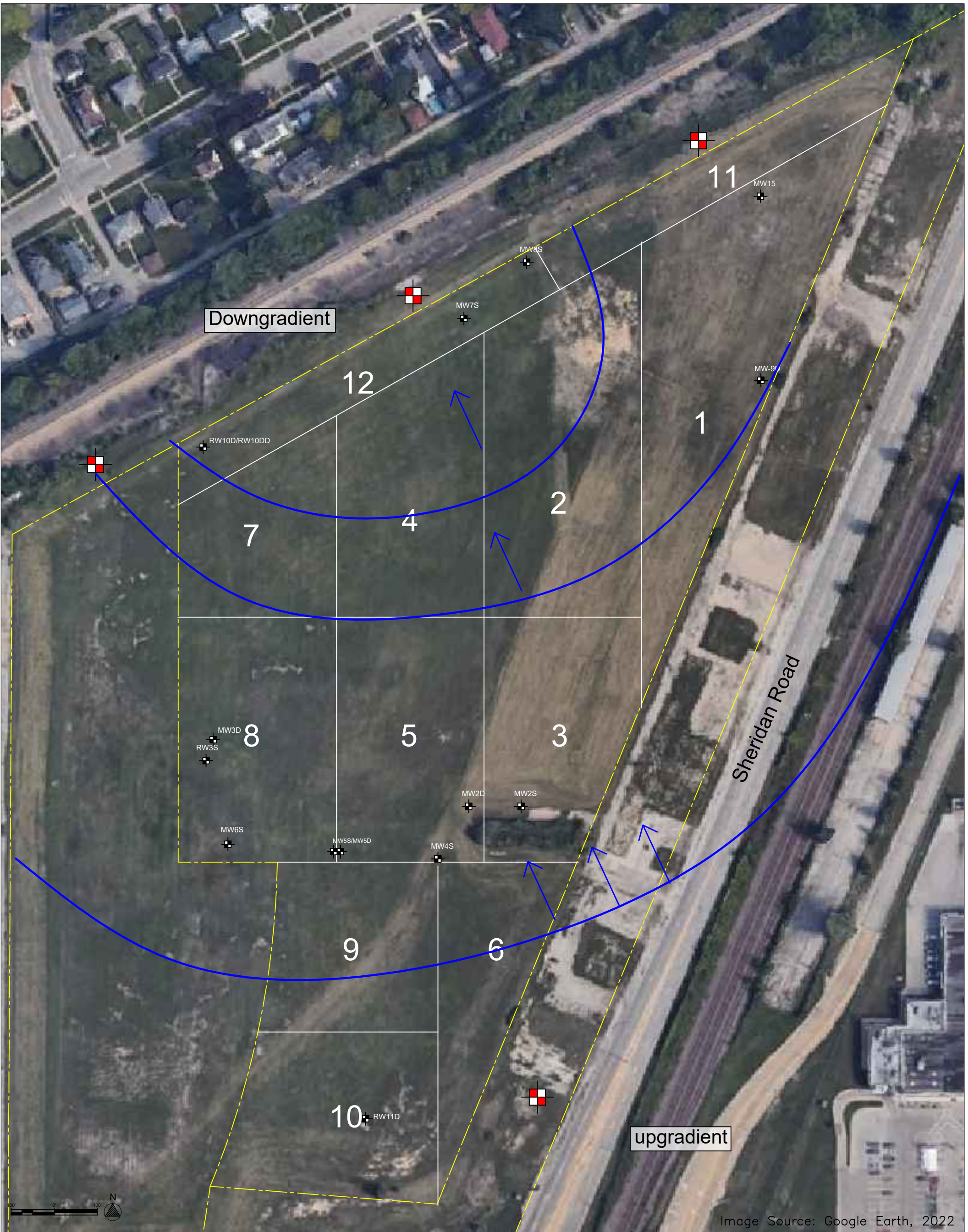
Sheet Title

Sheet No

C100

Figure 800

New Groundwater Monitoring Well Network



Property Line | Average GW Gradient | Proposed Monitoring Well Location | Existing Monitoring Well to be abandoned

Date 1/24/2025	Proposed Monitoring Well Location Map	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	
800	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

No.	Date	Description	By

Appendix A

IEPA Targeted Brownfield Assessment Lab TCLP Pb Data Summary

BORING		Result (mg/L)		BORING		Result (mg/L)
SB01 5-8	Lead, TCLP	1.60		SB-49 (14-16)	Lead, TCLP	<0.005
SB01 10-12	Lead, TCLP	<0.005		SB-48 (1-3)	Lead, TCLP	<0.005
SB02 5-8	Lead, TCLP	3.39		**SB-48 (5.5-7.5)**	**Lead, TCLP**	**51.3**
SB02 9-12	Lead, TCLP	<0.005		SB-48 (14-16)	Lead, TCLP	0.006
SB03 0-3	Lead, TCLP	<0.005		**SB-50 (5-7)**	**Lead, TCLP**	**26.2**
SB03 4-7	**Lead, TCLP**	**81.4**		SB-50 (10-12)	Lead, TCLP	0.007
SB03 9-11	Lead, TCLP	0.026		**SB-51 (6-8)**	**Lead, TCLP**	**143**
SB04 4-7	**Lead, TCLP**	**22.8**		SB-51 (14-16)	Lead, TCLP	0.012
SB04 9-12	Lead, TCLP	0.011		**SB-52 (4-6)**	**Lead, TCLP**	**42.3**
SB05 0-3	Lead, TCLP	0.039		SB-52 (10-12)	Lead, TCLP	0.028
SB05 6-9	**Lead, TCLP**	**234**		SB-53 (1-3)	Lead, TCLP	0.012
SB05 9-11	Lead, TCLP	0.055		SB-53 (1-3) D	Lead, TCLP	0.006
SB06 7-8	**Lead, TCLP**	**14.2**		**SB-54 (5-7)**	**Lead, TCLP**	**38.4**
SB06 8.5-10.5	Lead, TCLP	<0.005		SB-54 (10-12)	Lead, TCLP	0.007
SB07 4-8	**Lead, TCLP**	**79.7**		**SB-53 (6-8)**	**Lead, TCLP**	**11.4**
SB07 8-10	Lead, TCLP	0.025		SB-53 (10-12)	Lead, TCLP	0.011
SB08 6-8	**Lead, TCLP**	**36.9**		SB-55 (5-7)	Lead, TCLP	0.389
SB08 9-10	Lead, TCLP	0.021		SB-55 (10-12)	Lead, TCLP	0.013
SB09 4-7	Lead, TCLP	3.99		SB-57 (6-8)	Lead, TCLP	0.188
SB09 9-12	Lead, TCLP	0.021		SB-57 (10-12)	Lead, TCLP	0.016
SB10 1-3	Lead, TCLP	0.023		SB-56 (8-10)	Lead, TCLP	0.269
SB10 6-7	**Lead, TCLP**	**12.4**		SB-59 (1-3)	Lead, TCLP	<0.005
SB10 9-11	Lead, TCLP	0.008		**SB-59 (5-7)**	**Lead, TCLP**	**5.05**
SB11 4-7	Lead, TCLP	2.19		SB-56 (14-16)	Lead, TCLP	<0.005
SB11 9-12	Lead, TCLP	0.011		SB-59 (10-12)	Lead, TCLP	0.007
SB12 9-11	**Lead, TCLP**	**14.6**		SB-61 (6-8)	Lead, TCLP	2.53
SB12 8.5-10.5	Lead, TCLP	0.005		SB-58 (9-11)	Lead, TCLP	<0.005
SB13 6-9	Lead, TCLP	1.72		SB-58 (1-3)	Lead, TCLP	<0.005
SB13 9-11	Lead, TCLP	0.010		SB-58 (1-3) D	Lead, TCLP	<0.005
SB14 3.5-5	**Lead, TCLP**	**8.85**		SB-61 (10-12)	Lead, TCLP	<0.005
SB14 8-10	Lead, TCLP	0.611		SB-58 (5-7)	Lead, TCLP	0.369
SB15 1-4	Lead, TCLP	0.029		SB-60 (4-6)	Lead, TCLP	0.174
SB15 5-6	Lead, TCLP	1.61		**SB-63 (5-7)**	**Lead, TCLP**	**32.6**
SB15 9-12	Lead, TCLP	0.017		SB-63 (10-12)	Lead, TCLP	0.015
SB16 4-6	**Lead, TCLP**	**61.9**		**SB-64 (2-4)**	**Lead, TCLP**	**59.6**
SB16 9-12	Lead, TCLP	0.679		SB-62 (6-8)	Lead, TCLP	<0.005
SB17 5-7	Lead, TCLP	0.017		SB-62 (10-12)	Lead, TCLP	0.021
SB18 0-4	Lead, TCLP	0.011		SB-66 (0-2)	Lead, TCLP	0.078
SB18 6-7	Lead, TCLP	2.05		SB-64 (6-8)	Lead, TCLP	0.011
SB18 10-12	Lead, TCLP	0.010		**SB-66 (7-9)**	**Lead, TCLP**	**14.1**
SB19 5.5-7	Lead, TCLP	2.71		SB-65 (1-3)	Lead, TCLP	0.301
SB19 8-10	Lead, TCLP	<0.005		SB-65 (15.5-16)	Lead, TCLP	0.091
SB20 6-10	Lead, TCLP	0.219		**SB-65 (7-12)**	**Lead, TCLP**	**33.9**
SB20 10-12	Lead, TCLP	0.007		SB-66 (10-12)	Lead, TCLP	0.008
SB21 4.5-6.5	Lead, TCLP	0.589		**SB-68 (3-5)**	**Lead, TCLP**	**15.2**
SB21 10-12	Lead, TCLP	<0.005		SB-68 (9-11)	Lead, TCLP	0.020
SB22 4-6	**Lead, TCLP**	**61.1**		SB-70 (0-2) D	Lead, TCLP	1.96
SB22 10-12	Lead, TCLP	<0.005		**SB-70 (0-2)**	**Lead, TCLP**	**14.1**
SB23 4-7	Lead, TCLP	0.858		**SB-70 (5-7)**	**Lead, TCLP**	**26.3**
SB23 8-10	Lead, TCLP	0.009		SB-70 (10-12)	Lead, TCLP	0.439

SB24 1-4	Lead, TCLP	<0.005
SB24 6-8	**Lead, TCLP**	**37.2**
SB24 10-12	Lead, TCLP	0.017
SB25 5-7	**Lead, TCLP**	**43.1**
SB25 8-10	Lead, TCLP	0.014
SB26 2-4	Lead, TCLP	0.007
SB26 14-16	Lead, TCLP	<0.005
SB27 4.5-7	**Lead, TCLP**	**89.2**
SB27 8-10	Lead, TCLP	0.005
SB28 6-9	Lead, TCLP	0.495
SB28 10-12	Lead, TCLP	0.007
SB29 5-7	Lead, TCLP	0.125
SB29 7-10	Lead, TCLP	0.021
SB30 3-6	Lead, TCLP	0.035
SB30 9-12	Lead, TCLP	<0.005
SB31 0-3	Lead, TCLP	0.017
SB32 1-3	Lead, TCLP	0.016
SB33 1-4	Lead, TCLP	0.02
SB34 1-4	Lead, TCLP	0.005
X201	Lead, TCLP	0.042
X301	Lead, TCLP	3.6
SB-35 (2-3')	Lead, TCLP	0.006
SB-36 (1-3')	Lead, TCLP	<0.005
SB-35 (7-8')	Lead, TCLP	0.032
SB-36 (4-6')	**Lead, TCLP**	**5.99**
SB-36 (9-11')	Lead, TCLP	<0.005
SB-35 (12-14')	Lead, TCLP	<0.005
SB-37 (5-6')	Lead, TCLP	0.810
SB-38 (2.5-4.5')	**Lead, TCLP**	**16.8**
SB-37 (9-11')	Lead, TCLP	<0.005
SB-38 (10-12')	Lead, TCLP	<0.005
SB-41 (1-2')	Lead, TCLP	<0.005
SB-40 (1-3')	Lead, TCLP	<0.005
SB-40 (1-3')D	Lead, TCLP	<0.005
SB-41 (3-5')	Lead, TCLP	0.269
SB-40 (3.5-5.5')	Lead, TCLP	0.306
SB-40 (10-12')	Lead, TCLP	<0.005
SB-41 (8-9)	Lead, TCLP	<0.005
SB-41 (11-12')	Lead, TCLP	<0.005
SB-43 (4-5')	Lead, TCLP	<0.005
SB-43 (11-12')	Lead, TCLP	<0.005
SB-39 (5-7)	Lead, TCLP	0.513
SB-39 (12-14)	Lead, TCLP	0.195
SB-45 (2-3)	**Lead, TCLP**	**17.8**
SB-45 (10-11)	Lead, TCLP	<0.005
SB-42 (0-2)	Lead, TCLP	<0.005
SB-42 (0-2) D	Lead, TCLP	0.007
SB-42 (10-12)	Lead, TCLP	<0.005
SB-47 (1-2)	Lead, TCLP	<0.005
SB-47 (3-5)	Lead, TCLP	3.66
SB-44 (4-6)	**Lead, TCLP**	**6.07**
SB-44 (10-12)	Lead, TCLP	<0.005
SB-47 (9-11)	Lead, TCLP	0.009
SB-46 (4-6)	Lead, TCLP	1.27
SB-46 (9-11)	Lead, TCLP	<0.005
SB-49 (4-5)	Lead, TCLP	0.125

SB-72 (9-11)	Lead, TCLP	0.008
SB-72 (5-7)	**Lead, TCLP**	**126**
SB-67 (3-5)	Lead, TCLP	1.09
SB-67 (10-12)	Lead, TCLP	0.009
SB-71 (3-5)	**Lead, TCLP**	**44.5**
SB-73 (1-3)	Lead, TCLP	0.018
SB-73 (12-14)	**Lead, TCLP**	**7.73**
SB-74 (2-4)	**Lead, TCLP**	**22.8**
SB-75 (2-4)	**Lead, TCLP**	**26.0**
SB-76 (1-3)	Lead, TCLP	1.75
SB-76 (1-3) D	Lead, TCLP	1.28
SB-76 (14-16)	Lead, TCLP	0.037
SB-77 (5-7)	**Lead, TCLP**	**5.47**
SB-15E (14-16)	Lead, TCLP	0.019
SB-14E (3-5)	**Lead, TCLP**	**36.8**
SB-14E (10-12)	Lead, TCLP	0.012
SB-80 (1-3)	Lead, TCLP	0.015
SB-80 (1-3)D	Lead, TCLP	0.013
SB-80 (8-11)	**Lead, TCLP**	**102**
SB-8E (6-8)	**Lead, TCLP**	**20.2**
SB-8E (14-16)	Lead, TCLP	0.013
SB-82 (8-9)	Lead, TCLP	2.76
SB-84 (1-3)	Lead, TCLP	0.018
SB-84 (10-12)	Lead, TCLP	0.005
SB-82 (14-16)	Lead, TCLP	<0.005
SB-80 (11-12)	Lead, TCLP	0.009
SB-81 (7-9)	**Lead, TCLP**	**26.5**
SB-6E (10-12)	Lead, TCLP	<0.005
SB-81 (10-12)	Lead, TCLP	2.03
SB-83 (5-7)	Lead, TCLP	0.053
SB-83 (10-12)	Lead, TCLP	<0.005
SB-82 (4-6)	Lead, TCLP	1.86
SB-77 (14-16)	Lead, TCLP	0.066
SB-78 (6-8)	**Lead, TCLP**	**36.9**
SB-78 (13-15)	Lead, TCLP	0.075
SB-79 (5-7)	**Lead, TCLP**	**15.0**
SB-79 (12-14)	Lead, TCLP	0.007
SB-69 (5-7)	Lead, TCLP	4.17
SB-69 (10-12)	Lead, TCLP	<0.005
SB-15E (6-8)	**Lead, TCLP**	**11.3**
SB-4E (10-12)	Lead, TCLP	<0.010
SB-30E (4-6)	Lead, TCLP	0.018
SB-30E (10-12)	Lead, TCLP	<0.010
SB-27E (5-7)	**Lead, TCLP**	**21.9**
SB-27E (10-12)	Lead, TCLP	<0.010
SB-29E (4-7)	Lead, TCLP	1.21
SB-29E (10-12)	Lead, TCLP	<0.010
SB-85 (3-5)	**Lead, TCLP**	**30.1**
SB-85 (10-12)	Lead, TCLP	0.013
SB-86 (10-12)	Lead, TCLP	3.78
SB-4E (1-3)	Lead, TCLP	<0.010
SB-21E (1-3)	Lead, TCLP	0.015
SB-21E (1-3) D	Lead, TCLP	<0.010
SB-21E (10-12)	Lead, TCLP	<0.010
SB-86 (14-16)	Lead, TCLP	<0.010

***HIGHLIGHTED = Exceedance of Lead, TCLP Hazardous**

Appendix B

Deigan TCLP Pb Lab Data April 22. 2022 Borings

the deigan group
environmental managers/consultants

Customer	**Deigan & Associates**
Project	**Sheridan Crossing**
Sample Date	**4/25/2022**
Lab Name	**Eurofins Chicago**
Job Number	**500-215595-1**

Analytical Results for TCLP-SPLP Samples		*** Exposure Routes for Specific SROs**				Sample ID					
						pH					
		Ingestion	Inhalation	Class I	Class II	B1-E (4.5 FT.)	B5-S (5-6 FT.)	B3-W (5-6 FT.)	B5-S (4.5 FT.)	B2-C (5-6 FT.)	B4-N (5-6 FT.)
Method	**Analyte**	mg/L	mg/L	mg/L	mg/L	---	---	---	---	---	---
6010B TCLP	Lead	NRO	NRO	0.0075	0.1	**11**	**36**	**6.0**	**19**	**3.2**	**2.9**

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table F.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
NRO = (No Remediation Objective) was provided in tables.
NRO/NRO** indicates that pH analysis was not requested and the values for Class I and Class II can not be provided.
Additional analytes may have been requested but are not contained in the
TACO Tier 1 tables and are not evaluated.
Estimated results that are between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.

Appendix C

Treatability Report

North Chicago/Sheridan Crossing
Former Lavin Property
RCRA "Clean" Closure Plan Modification

ADDENDUM 1B – Treatability Report

Prepared for:
Illinois Environmental Protection Agency
Bureau of Land --RCRA Permit Section
October 30, 2023

Prepared by:

the deigan group
environmental managers/consultants

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5.0 Recommendations 4

Appendices:

Appendix A – Lab Summary Tables

Appendix B – Lab Analytical Report

1.0 Objective

The objective of this report is to present the findings of a laboratory treatability study conducted on the Sheridan Crossing slag/foundry sand composited sample collected by IEPA Targeted Brownfield Assessment Team on August 24, 2023. This study is designed to determine the leachable lead (Pb) from Pb impacted samples and to determine the applicable percentage by weight of Free Flow 200 needed to reduce the leachability of Pb as measured by the US EPA Toxicity Characteristic Leaching Procedure (TCLP). The RCRA TCLP criteria for Pb is 5.0 mg/L.

2.0 Pre-treatment Analysis

On August 24, 2023, Deigan conducted two (2) bench tests of untreated soil, WP-A1 and WP-A2, and treated soil ,WP-B1 and WP-B2, to determine the required percentage by weight of Free Flow 200 needed to reduce the TCLP Pb result below 5.0 mg/L. A full waste profile was conducted on each sample as shown in the summary table and lab report included as **Appendix A** and **Appendix B**. The primary contaminant of concern for this project is leachable Pb. Table 1 below shows the results of TCLP Pb for the untreated soil samples.

Table 1 – Untreated Samples TCLP Pb Results

Sample ID	pH	TCLP Lead (mg/L)
WP-A1	8.6	14.0
WP-A2	9.1	9.8
Project Treatment Objective		5.0 mg/L

The results of the untreated soil samples collected on August 24, 2023, confirm treatment is required to meet the regulatory requirement of less than 5.0 mg/L prior to disposal as a treated special waste at a Subtitle D Landfill.

3.0 Free Flow 200 Treatment Studies

After the collection of the untreated sample WP-A1, the remaining quantity of soil was weighed, and 4% Free Flow 200 was added. The soil and Free Flow were mixed using stainless-steel tools and gloves were worn to prevent exposure and possible cross contamination between samples. Once the soil and free flow were thoroughly mixed, WP-B1 split sample was collected. The same procedure was conducted for WP-A2 and WP-B2. The A1 and A2 samples were both untreated, and the B1 and B2 samples were the respective treated split samples. A full waste profile was conducted on each sample as shown in the summary table and lab report included as **Appendix A** and **Appendix B**. The primary contaminant of concern for this project is leachable Pb. Table 2 below shows the results of TCLP Pb for the treated soil samples.

Table 2 – Treated Samples TCLP Pb Results

Sample ID	Free Flow 200 (weight %)	pH	TCLP Lead (mg/L)
WP-B1	4.0	12.4	2.4
WP-B2	4.0	12.4	2.4
Project Treatment Objective			5.0 mg/L

4.0 Conclusions

The TCLP Pb results from the treated samples compared to the untreated samples shows the addition of 4% by weight of Free Flow 200 is effective at reducing the leachability of Pb in the Sheridan Crossing slag/foundry sand to below the regulatory requirement of 5.0 mg/L.

5.0 Recommendations

Based on the results of the treatability study described in this report, Deigan recommends the addition of 3% - 4% by weight of Free Flow 200 for remediation of all Sheridan Crossing slag/foundry sand. By adding 3% - 4% Free Flow 200 the excavated material can be treated to Pb results below 5.0 mg/L and be disposed of at GFL Zion Landfill as a treated special waste. Confirmation samples will be collected to confirm effectiveness prior to disposal.

Review and consultation of results by Free Flow 200 Manufacturer:

From: Cris Proctor <cproctor@freeflowtech.com>
Sent: Tuesday, September 19, 2023 1:37 PM
To: Gary Deigan <gdeigan@deiganassociates.com>
Cc: Tim Danzer <tdanzer@freeflowtech.com>
Subject: RE: Revision>>Eurofins Chicago report and EDD files from 500-238733-1 N. Chicago - Sheridan Crossings (21-016)

Gary:

You are correct. I thought the A1 and A2 samples went together and the B1 and B2 samples went together. My mistake.

Then this is a totally different scenario.

With the final pH of the treated material up at 12.4 then you can probably cut back the treatment dosage to 3% and that will still be effective treatment (to less than 5 mg/L) and the pH should come down accordingly.

Cristopher (Cris) Proctor, PE (AR, IL, IN, WI)
Sr. Project Manager/V.P./Co-Owner
Free Flow Technologies, Ltd.
4920 Forest Hills Road
Loves Park, Illinois 61111
Office: 815/636-0166
Mobile: 815/985-5497
Fax: 815/636-0560
Email: cproctor@freeflowtech.com
www.freeflowtech.com

FF-200®

Free Flow 200 (FF-200®) chemistry has proven to be an effective and economical alternative to traditional blends for lead stabilization in soils and sludge. FF-200 is easy to handle in the field and provides effective non-reversing fixation of the lead at low dosages.

Physical Properties

- **Molecular Formula:** Mixture
- **Appearance:** Gray Brown Graduals
- **Specific Gravity:** 2.6
- **pH:** 12.0
- **Flashpoint:** Noncombustible
- **Odor:** None
- **Loss on Ignition:** 0.8 percent
- **Density:** 95 lbs/ft^3; 2,565 lbs/yd^3

Typical Sieve Analysis %

Passing 20 Mesh	90%
Passing 40 Mesh	65%
Passing 100 Mesh	27%
Passing 200 Mesh	5%

Advantages

- **Custom Blending / Packaging**
- **User Friendly Chemistries**
- **Cost Effectiveness**
- **Low Dust Generation**
- **Reduced application rate**
- **Absorbs quickly**

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www.freeflowtech.com

the deigan group
environmental managers/consultants

File Name: 500-238733-1_StdChiPivot.xlsx				500-238733-1			500-238733-2			500-238733-3			500-238733-4	
				WP-A1			WP-B1			WP-A2			WP-B2	
Site Name: N. Chicago - Sheridan Crossings (21-016)				(Untreated)			(Treated)			(Untreated)			(Treated)	
Date: 09/14/2023				08/24/2023			08/24/2023			08/24/2023			08/24/2023	
GC/MS VOA														
1,1-Dichloroethene, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
1,2-Dichloroethane, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
2-Butanone (MEK), TCLP	8260D	MG/L	<	0.10		<	0.10		<	0.10		<	0.10	
Benzene, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
Carbon tetrachloride, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
Chlorobenzene, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
Chloroform, TCLP	8260D	MG/L	<	0.040		<	0.040		<	0.040		<	0.040	
Tetrachloroethene, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
Trichloroethene, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
Vinyl chloride, TCLP	8260D	MG/L	<	0.020		<	0.020		<	0.020		<	0.020	
GC/MS SEMI VOA														
1,4-Dichlorobenzene, TCLP	8270E	MG/L	<	0.10		<	0.10		<	0.10		<	0.10	
2,4,5-Trichlorophenol, TCLP	8270E	MG/L	<	0.50		<	0.50		<	0.50		<	0.50	
2,4,6-Trichlorophenol, TCLP	8270E	MG/L	<	0.25		<	0.25		<	0.25		<	0.25	
2,4-Dinitrotoluene, TCLP	8270E	MG/L	<	0.050		<	0.050		<	0.050		<	0.050	
2-Methylphenol, TCLP	8270E	MG/L	<	0.10		<	0.10		<	0.10		<	0.10	
3 & 4 Methylphenol, TCLP	8270E	MG/L	<	0.10		<	0.10		<	0.10		<	0.10	
Hexachlorobenzene, TCLP	8270E	MG/L	<	0.025		<	0.025		<	0.025		<	0.025	
Hexachlorobutadiene, TCLP	8270E	MG/L	<	0.25		<	0.25		<	0.25		<	0.25	
Hexachloroethane, TCLP	8270E	MG/L	<	0.25		<	0.25		<	0.25		<	0.25	
Nitrobenzene, TCLP	8270E	MG/L	<	0.050		<	0.050		<	0.050		<	0.050	
Pentachlorophenol, TCLP	8270E	MG/L	<	1.0		<	1.0		<	1.0		<	1.0	
Pyridine, TCLP	8270E	MG/L	<	1.0		<	1.0		<	1.0		<	1.0	
GC SEMI VOA														
Chlordane (technical), TCLP	8081B	MG/L	<	0.010		<	0.010		<	0.010		<	0.010	
Endrin, TCLP	8081B	MG/L	<	0.0050		<	0.0050		<	0.0050		<	0.0050	
gamma-BHC (Lindane), TCLP	8081B	MG/L	<	0.0050		<	0.0050		<	0.0050		<	0.0050	
Heptachlor epoxide, TCLP	8081B	MG/L	<	0.0040		<	0.0040		<	0.0040		<	0.0040	
Heptachlor, TCLP	8081B	MG/L	<	0.0040		<	0.0040		<	0.0040		<	0.0040	
Methoxychlor, TCLP	8081B	MG/L	<	0.010		<	0.010		<	0.010		<	0.010	
Toxaphene, TCLP	8081B	MG/L	<	0.050		<	0.050		<	0.050		<	0.050	
PCB-1016	8082A	MG/KG	<	1.9		<	0.36		<	0.019		<	0.018	
PCB-1221	8082A	MG/KG	<	1.9		<	0.36		<	0.019		<	0.018	
PCB-1232	8082A	MG/KG	<	1.9		<	0.36		<	0.019		<	0.018	
PCB-1242	8082A	MG/KG	<	1.9		<	0.36		<	0.019		<	0.018	
PCB-1248	8082A	MG/KG	<	1.9		<	0.36		<	0.019		<	0.018	
PCB-1254	8082A	MG/KG		22			5.2		<	0.019		<	0.018	
PCB-1260	8082A	MG/KG	<	1.9		<	0.36		<	0.019		<	0.018	
2,4-D, TCLP	8151A	MG/L	<	0.10	*+ *1	<	0.10	*+ *1	<	0.10	*+ *1	<	0.10	*+ *1
Silvex (2,4,5-TP), TCLP	8151A	MG/L	<	0.10	*+	<	0.10	*+	<	0.10	*+	<	0.10	*+
METALS														
Arsenic, TCLP	6010D	MG/L	<	0.050		<	0.050		<	0.050		<	0.050	
Barium, TCLP	6010D	MG/L		1.1			0.54			0.96			0.59	
Cadmium, TCLP	6010D	MG/L		0.36		<	0.0050			0.30		<	0.0050	
Chromium, TCLP	6010D	MG/L	<	0.025	^+	<	0.025	^+	<	0.025	^+	<	0.025	^+
Lead, TCLP	6010D	MG/L		**14**			2.4			**9.8**			2.4	
Selenium, TCLP	6010D	MG/L		0.027	J	<	0.050			0.032	J	<	0.050	
Silver, TCLP	6010D	MG/L	<	0.025		<	0.025		<	0.025		<	0.025	
Mercury, TCLP	7470A	MG/L	<	0.00020		<	0.00020		<	0.00020		<	0.00020	
GENERAL CHEMISTRY														
Cyanide, Total	9012B	MG/KG	<	1.1		<	1.1		<	1.1		<	1.1	
Sulfide, Reactive	9034_Reactive	MG/KG	<	47	F1	<	48		<	49		<	47	
pH	9045D_7Day	SU		8.6			12.4			9.1			12.4	
Phenolics, Total Recoverable	9066	MG/KG		0.93			11		<	0.52		<	0.56	
Paint Filter	9095B	NO UNIT		PASS			PASS			PASS			PASS	
Flashpoint	D92	DEGREES F		>200			>200			>200			>200	

F1	MS and/or MSD recovery exceeds control limits.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gary Deigan
Deigan & Associates LLC
28835 N. Herky Drive
Unit 120
Lake Bluff, Illinois 60044

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JOB DESCRIPTION

N. Chicago - Sheridan Crossings (21-016)

JOB NUMBER

500-238733-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

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Authorization

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Authorized for release by
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Job ID: 500-238733-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-238733-1

Comments
No additional comments.

Receipt
The samples were received on 8/25/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.8º C.

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

GC/MS Semi VOA
Method 8270E: The following samples were diluted due to the nature of the sample matrix: WP-A1 (500-238733-1), WP-B1 (500-238733-2), WP-A2 (500-238733-3) and WP-B2 (500-238733-4). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method 8082A: Surrogate Tetrachloro-m-xylene is outside acceptable limits for the following continuing control verification (CCVIS): (CCVIS 500-730748/3). Surrogate DCB Decachlorobiphenyl is within acceptable limits; therefore, re-analysis was not performed.

Method 8082A: The following sample required a dilution due to the nature of the sample matrix: WP-B1 (500-238733-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8082A: The following sample required a dilution due to the nature of the sample matrix: WP-A1 (500-238733-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 500-731053 and analytical batch 500-731397 recovered outside control limits for the following analytes: Silvex (2,4,5-TP) and 2,4-D. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8151A: The continuing calibration verification (CCV) associated with batch 500-731397 recovered above the upper control limit for Silvex (2,4,5-TP) and 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Metals
Method 6010D: The continuing calibration verification (CCV) associated with batch 500-731192 recovered above the upper control limit for Chromium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: WP-A1 (500-238733-1), WP-B1 (500-238733-2), WP-A2 (500-238733-3) and WP-B2 (500-238733-4).

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

General Chemistry
Method 9034: The MS/MSD for batch 500-730500 recovered low at for reactive sulfide. The method has been withdrawn by the EPA due to low recoveries. (500-238733-A-1-B MS) and (500-238733-A-1-C MSD).

(500-238733-A-1-B MS) and (500-238733-A-1-C MSD)

Job ID: 500-238733-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

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

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

Narrative

Job Narrative
500-238733-3

Receipt
The samples were received on 8/25/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.8º C.

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

Detection Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A1 — Lab Sample ID: 500-238733-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	22		1.9	0.63	mg/Kg	100	☼	8082A	Total/NA
Barium	1.1		0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.36		0.0050	0.0020	mg/L	1		6010D	TCLP
Lead	14		0.050	0.0075	mg/L	1		6010D	TCLP
Selenium	0.027	J	0.050	0.020	mg/L	1		6010D	TCLP
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA
Phenolics, Total Recoverable	0.93		0.52	0.43	mg/Kg	1	☼	9066	Total/NA
Paint Filter	PASS				No Unit	1		9095B	Total/NA
Flashpoint	>200		99.0	99.0	Degrees F	1		D92	Total/NA

Client Sample ID: WP-B1 — Lab Sample ID: 500-238733-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	5.2		0.36	0.12	mg/Kg	20	☼	8082A	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010D	TCLP
Lead	2.4		0.050	0.0075	mg/L	1		6010D	TCLP
pH	12.4		0.2	0.2	SU	1		9045D	Total/NA
Phenolics, Total Recoverable	11		0.54	0.45	mg/Kg	1	☼	9066	Total/NA
Paint Filter	PASS				No Unit	1		9095B	Total/NA
Flashpoint	>200		99.0	99.0	Degrees F	1		D92	Total/NA

Client Sample ID: WP-A2 — Lab Sample ID: 500-238733-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.96		0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.30		0.0050	0.0020	mg/L	1		6010D	TCLP
Lead	9.8		0.050	0.0075	mg/L	1		6010D	TCLP
Selenium	0.032	J	0.050	0.020	mg/L	1		6010D	TCLP
pH	9.1		0.2	0.2	SU	1		9045D	Total/NA
Paint Filter	PASS				No Unit	1		9095B	Total/NA
Flashpoint	>200		99.0	99.0	Degrees F	1		D92	Total/NA

Client Sample ID: WP-B2 — Lab Sample ID: 500-238733-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.59		0.50	0.050	mg/L	1		6010D	TCLP
Lead	2.4		0.050	0.0075	mg/L	1		6010D	TCLP
pH	12.4		0.2	0.2	SU	1		9045D	Total/NA
Paint Filter	PASS				No Unit	1		9095B	Total/NA
Flashpoint	>200		99.0	99.0	Degrees F	1		D92	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8081B	Organochlorine Pesticides (GC)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
8151A	Herbicides (GC)	SW846	EET CHI
6010D	Metals (ICP)	SW846	EET CHI
7470A	TCLP Mercury	SW846	EET CHI
7.3.4	Reactive Sulfide	EPA	EET CHI
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9045D	pH	SW846	EET CHI
9066	Phenolics, Total Recoverable	SW846	EET CHI
9095B	Paint Filter	SW846	EET CHI
D92	Flashpoint	ASTM	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
1311	TCLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CHI
3541	Automated Soxhlet Extraction	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI
7.3.4	Sulfide, Reactive	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
8151A	Extraction (Herbicides)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
Distill/Phenol	Distillation, Phenolics	None	EET CHI

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
None = None
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-238733-1	WP-A1	Solid	08/24/23 13:51	08/25/23 09:50
500-238733-2	WP-B1	Solid	08/24/23 13:55	08/25/23 09:50
500-238733-3	WP-A2	Solid	08/24/23 13:58	08/25/23 09:50
500-238733-4	WP-B2	Solid	08/24/23 14:05	08/25/23 09:50

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A1

Date Collected: 08/24/23 13:51
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
Chloroform	<0.040		0.040	0.020	mg/L			09/06/23 12:25	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
2-Butanone (MEK)	<0.10		0.10	0.050	mg/L			09/06/23 12:25	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/06/23 12:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*09/06/23 12:25*	*20*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 12:25*	*20*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*09/06/23 12:25*	*20*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*09/06/23 12:25*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 16:33	5
1,4-Dichlorobenzene	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 16:33	5
2-Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 16:33	5
Hexachloroethane	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 16:33	5
Nitrobenzene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 16:33	5
Hexachlorobutadiene	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 16:33	5
2,4,6-Trichlorophenol	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 16:33	5
2,4,5-Trichlorophenol	<0.50		0.50	0.50	mg/L		09/06/23 12:08	09/07/23 16:33	5
2,4-Dinitrotoluene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 16:33	5
Hexachlorobenzene	<0.025		0.025	0.025	mg/L		09/06/23 12:08	09/07/23 16:33	5
Pentachlorophenol	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 16:33	5
3 & 4 Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 16:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*47*		*27 - 110*	*09/06/23 12:08*	*09/07/23 16:33*	*5*
Phenol-d5 (Surr)	*31*		*20 - 100*	*09/06/23 12:08*	*09/07/23 16:33*	*5*
Nitrobenzene-d5 (Surr)	*72*		*36 - 120*	*09/06/23 12:08*	*09/07/23 16:33*	*5*
2-Fluorobiphenyl (Surr)	*70*		*34 - 110*	*09/06/23 12:08*	*09/07/23 16:33*	*5*
2,4,6-Tribromophenol (Surr)	*52*		*40 - 145*	*09/06/23 12:08*	*09/07/23 16:33*	*5*
Terphenyl-d14 (Surr)	*71*		*40 - 145*	*09/06/23 12:08*	*09/07/23 16:33*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:18	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:18	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:18	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:18	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:18	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:18	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/23 08:12	09/08/23 14:18	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A1

Date Collected: 08/24/23 13:51
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-1

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*30 - 130*	*09/07/23 08:12*	*09/08/23 14:18*	*1*
Tetrachloro-m-xylene	*63*		*30 - 130*	*09/07/23 08:12*	*09/08/23 14:18*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10	*+ *1	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 15:28	1
Silvex (2,4,5-TP)	<0.10	*+	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*118*		*25 - 130*	*09/06/23 15:49*	*09/08/23 15:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/23 09:27	09/07/23 16:52	1
Barium	**1.1**		0.50	0.050	mg/L		09/06/23 09:27	09/07/23 16:52	1
Cadmium	**0.36**		0.0050	0.0020	mg/L		09/06/23 09:27	09/06/23 23:25	1
Chromium	<0.025	^+	0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:25	1
Lead	**14**		0.050	0.0075	mg/L		09/06/23 09:27	09/07/23 16:52	1
Selenium	**0.027**	**J**	0.050	0.020	mg/L		09/06/23 09:27	09/07/23 16:52	1
Silver	<0.025		0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:25	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/23 09:20	09/07/23 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive (EPA 7.3.4)	<47	F1	47	3.7	mg/Kg		08/31/23 13:30	09/01/23 08:16	1
pH (SW846 9045D)	**8.6**		0.2	0.2	SU			08/30/23 14:07	1
Paint Filter (SW846 9095B)	**PASS**				No Unit			09/07/23 09:09	1
Flashpoint (ASTM D92)	**>200**		99.0	99.0	Degrees F			09/05/23 02:45	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A1

Date Collected: 08/24/23 13:51
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-1

Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.9		1.9	0.73	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100
PCB-1221	<1.9		1.9	0.73	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100
PCB-1232	<1.9		1.9	0.51	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100
PCB-1242	<1.9		1.9	0.73	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100
PCB-1248	<1.9		1.9	0.89	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100
PCB-1254	**22**		1.9	0.63	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100
PCB-1260	<1.9		1.9	0.70	mg/Kg	☼	09/01/23 07:45	09/07/23 09:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*S1-*	*49 - 129*	*09/01/23 07:45*	*09/07/23 09:26*	*100*
DCB Decachlorobiphenyl	*0*	*S1-*	*37 - 121*	*09/01/23 07:45*	*09/07/23 09:26*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<1.1		1.1	0.37	mg/Kg	☼	09/05/23 08:34	09/06/23 18:49	1
Phenolics, Total Recoverable (SW846 9066)	**0.93**		0.52	0.43	mg/Kg	☼	09/12/23 12:16	09/12/23 17:25	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B1

Date Collected: 08/24/23 13:55
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
Chloroform	<0.040		0.040	0.020	mg/L			09/06/23 12:48	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
2-Butanone (MEK)	<0.10		0.10	0.050	mg/L			09/06/23 12:48	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/06/23 12:48	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*09/06/23 12:48*	*20*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 12:48*	*20*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*09/06/23 12:48*	*20*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/06/23 12:48*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 16:58	5
1,4-Dichlorobenzene	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 16:58	5
2-Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 16:58	5
Hexachloroethane	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 16:58	5
Nitrobenzene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 16:58	5
Hexachlorobutadiene	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 16:58	5
2,4,6-Trichlorophenol	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 16:58	5
2,4,5-Trichlorophenol	<0.50		0.50	0.50	mg/L		09/06/23 12:08	09/07/23 16:58	5
2,4-Dinitrotoluene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 16:58	5
Hexachlorobenzene	<0.025		0.025	0.025	mg/L		09/06/23 12:08	09/07/23 16:58	5
Pentachlorophenol	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 16:58	5
3 & 4 Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 16:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*47*		*27 - 110*	*09/06/23 12:08*	*09/07/23 16:58*	*5*
Phenol-d5 (Surr)	*31*		*20 - 100*	*09/06/23 12:08*	*09/07/23 16:58*	*5*
Nitrobenzene-d5 (Surr)	*75*		*36 - 120*	*09/06/23 12:08*	*09/07/23 16:58*	*5*
2-Fluorobiphenyl (Surr)	*73*		*34 - 110*	*09/06/23 12:08*	*09/07/23 16:58*	*5*
2,4,6-Tribromophenol (Surr)	*55*		*40 - 145*	*09/06/23 12:08*	*09/07/23 16:58*	*5*
Terphenyl-d14 (Surr)	*71*		*40 - 145*	*09/06/23 12:08*	*09/07/23 16:58*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:30	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:30	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:30	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:30	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:30	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:30	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/23 08:12	09/08/23 14:30	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B1

Date Collected: 08/24/23 13:55
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-2

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*30 - 130*	*09/07/23 08:12*	*09/08/23 14:30*	*1*
Tetrachloro-m-xylene	*72*		*30 - 120*	*09/07/23 08:12*	*09/08/23 14:30*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10	*+ *1	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 15:47	1
Silvex (2,4,5-TP)	<0.10	*+	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*106*		*25 - 130*	*09/06/23 15:49*	*09/08/23 15:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/23 09:27	09/07/23 16:45	1
Barium	**0.54**		0.50	0.050	mg/L		09/06/23 09:27	09/07/23 16:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/23 09:27	09/06/23 23:17	1
Chromium	<0.025	^+	0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:17	1
Lead	**2.4**		0.050	0.0075	mg/L		09/06/23 09:27	09/07/23 16:45	1
Selenium	<0.050		0.050	0.020	mg/L		09/06/23 09:27	09/07/23 16:45	1
Silver	<0.025		0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:17	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/07/23 14:55	09/08/23 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive (EPA 7.3.4)	<48		48	3.8	mg/Kg		08/31/23 13:30	09/01/23 08:16	1
pH (SW846 9045D)	**12.4**		0.2	0.2	SU			08/31/23 15:11	1
Paint Filter (SW846 9095B)	**PASS**				No Unit			09/07/23 09:16	1
Flashpoint (ASTM D92)	**>200**		99.0	99.0	Degrees F			09/05/23 03:00	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B1

Date Collected: 08/24/23 13:55
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-2

Matrix: Solid
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.36		0.36	0.14	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20
PCB-1221	<0.36		0.36	0.14	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20
PCB-1232	<0.36		0.36	0.099	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20
PCB-1242	<0.36		0.36	0.14	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20
PCB-1248	<0.36		0.36	0.17	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20
PCB-1254	**5.2**		0.36	0.12	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20
PCB-1260	<0.36		0.36	0.14	mg/Kg	☼	09/01/23 07:45	09/06/23 13:13	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*S1-*	*49 - 129*	*09/01/23 07:45*	*09/06/23 13:13*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*37 - 121*	*09/01/23 07:45*	*09/06/23 13:13*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<1.1		1.1	0.37	mg/Kg	☼	09/05/23 08:34	09/06/23 18:50	1
Phenolics, Total Recoverable (SW846 9066)	**11**		0.54	0.45	mg/Kg	☼	09/12/23 12:16	09/12/23 17:26	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A2

Date Collected: 08/24/23 13:58
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
Chloroform	<0.040		0.040	0.020	mg/L			09/06/23 13:47	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
2-Butanone (MEK)	<0.10		0.10	0.050	mg/L			09/06/23 13:47	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/06/23 13:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*09/06/23 13:47*	*20*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 13:47*	*20*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*09/06/23 13:47*	*20*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*09/06/23 13:47*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 17:22	5
1,4-Dichlorobenzene	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 17:22	5
2-Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 17:22	5
Hexachloroethane	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 17:22	5
Nitrobenzene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 17:22	5
Hexachlorobutadiene	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 17:22	5
2,4,6-Trichlorophenol	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 17:22	5
2,4,5-Trichlorophenol	<0.50		0.50	0.50	mg/L		09/06/23 12:08	09/07/23 17:22	5
2,4-Dinitrotoluene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 17:22	5
Hexachlorobenzene	<0.025		0.025	0.025	mg/L		09/06/23 12:08	09/07/23 17:22	5
Pentachlorophenol	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 17:22	5
3 & 4 Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 17:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*46*		*27 - 110*	*09/06/23 12:08*	*09/07/23 17:22*	*5*
Phenol-d5 (Surr)	*31*		*20 - 100*	*09/06/23 12:08*	*09/07/23 17:22*	*5*
Nitrobenzene-d5 (Surr)	*71*		*36 - 120*	*09/06/23 12:08*	*09/07/23 17:22*	*5*
2-Fluorobiphenyl (Surr)	*68*		*34 - 110*	*09/06/23 12:08*	*09/07/23 17:22*	*5*
2,4,6-Tribromophenol (Surr)	*52*		*40 - 145*	*09/06/23 12:08*	*09/07/23 17:22*	*5*
Terphenyl-d14 (Surr)	*69*		*40 - 145*	*09/06/23 12:08*	*09/07/23 17:22*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:41	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:41	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:41	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:41	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:41	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:41	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/23 08:12	09/08/23 14:41	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A2

Date Collected: 08/24/23 13:58
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-3

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*30 - 130*	*09/07/23 08:12*	*09/08/23 14:41*	*1*
Tetrachloro-m-xylene	*67*		*30 - 120*	*09/07/23 08:12*	*09/08/23 14:41*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10	*+ *1	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 16:05	1
Silvex (2,4,5-TP)	<0.10	*+	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*25 - 130*	*09/06/23 15:49*	*09/08/23 16:05*	*1*
2,4-Dichlorophenylacetic acid	*94*		*25 - 130*	*09/06/23 15:49*	*09/08/23 16:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/23 09:27	09/07/23 16:56	1
Barium	**0.96**		0.50	0.050	mg/L		09/06/23 09:27	09/07/23 16:56	1
Cadmium	**0.30**		0.0050	0.0020	mg/L		09/06/23 09:27	09/06/23 23:35	1
Chromium	<0.025	^+	0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:35	1
Lead	**9.8**		0.050	0.0075	mg/L		09/06/23 09:27	09/07/23 16:56	1
Selenium	**0.032**	**J**	0.050	0.020	mg/L		09/06/23 09:27	09/07/23 16:56	1
Silver	<0.025		0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:35	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/23 09:20	09/07/23 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive (EPA 7.3.4)	<49		49	3.8	mg/Kg		08/31/23 13:30	09/01/23 08:16	1
pH (SW846 9045D)	**9.1**		0.2	0.2	SU			08/30/23 14:36	1
Paint Filter (SW846 9095B)	**PASS**				No Unit			09/07/23 09:22	1
Flashpoint (ASTM D92)	**>200**		99.0	99.0	Degrees F			09/05/23 03:15	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A2

Date Collected: 08/24/23 13:58
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-3

Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.019	0.0073	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1
PCB-1221	<0.019		0.019	0.0073	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1
PCB-1232	<0.019		0.019	0.0050	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1
PCB-1242	<0.019		0.019	0.0072	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1
PCB-1248	<0.019		0.019	0.0088	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1
PCB-1254	<0.019		0.019	0.0063	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1
PCB-1260	<0.019		0.019	0.0070	mg/Kg	☼	09/01/23 07:45	09/05/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*59*		*49 - 129*	*09/01/23 07:45*	*09/05/23 15:25*	*1*
DCB Decachlorobiphenyl	*52*		*37 - 121*	*09/01/23 07:45*	*09/05/23 15:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<1.1		1.1	0.37	mg/Kg	☼	09/05/23 08:34	09/06/23 18:53	1
Phenolics, Total Recoverable (SW846 9066)	<0.52		0.52	0.43	mg/Kg	☼	09/12/23 12:16	09/12/23 17:27	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B2

Date Collected: 08/24/23 14:05
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
Chloroform	<0.040		0.040	0.020	mg/L			09/06/23 14:11	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
2-Butanone (MEK)	<0.10		0.10	0.050	mg/L			09/06/23 14:11	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/06/23 14:11	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*09/06/23 14:11*	*20*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 14:11*	*20*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*09/06/23 14:11*	*20*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 14:11*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 17:46	5
1,4-Dichlorobenzene	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 17:46	5
2-Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 17:46	5
Hexachloroethane	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 17:46	5
Nitrobenzene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 17:46	5
Hexachlorobutadiene	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 17:46	5
2,4,6-Trichlorophenol	<0.25		0.25	0.25	mg/L		09/06/23 12:08	09/07/23 17:46	5
2,4,5-Trichlorophenol	<0.50		0.50	0.50	mg/L		09/06/23 12:08	09/07/23 17:46	5
2,4-Dinitrotoluene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 17:46	5
Hexachlorobenzene	<0.025		0.025	0.025	mg/L		09/06/23 12:08	09/07/23 17:46	5
Pentachlorophenol	<1.0		1.0	1.0	mg/L		09/06/23 12:08	09/07/23 17:46	5
3 & 4 Methylphenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 17:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*46*		*27 - 110*	*09/06/23 12:08*	*09/07/23 17:46*	*5*
Phenol-d5 (Surr)	*31*		*20 - 100*	*09/06/23 12:08*	*09/07/23 17:46*	*5*
Nitrobenzene-d5 (Surr)	*70*		*36 - 120*	*09/06/23 12:08*	*09/07/23 17:46*	*5*
2-Fluorobiphenyl (Surr)	*67*		*34 - 110*	*09/06/23 12:08*	*09/07/23 17:46*	*5*
2,4,6-Tribromophenol (Surr)	*50*		*40 - 145*	*09/06/23 12:08*	*09/07/23 17:46*	*5*
Terphenyl-d14 (Surr)	*73*		*40 - 145*	*09/06/23 12:08*	*09/07/23 17:46*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:53	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:53	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 14:53	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:53	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 14:53	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 14:53	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/23 08:12	09/08/23 14:53	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B2

Date Collected: 08/24/23 14:05
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-4

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*30 - 130*	*09/07/23 08:12*	*09/08/23 14:53*	*1*
Tetrachloro-m-xylene	*69*		*30 - 120*	*09/07/23 08:12*	*09/08/23 14:53*	*1*

Method: SW846 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10	*+ *1	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 16:23	1
Silvex (2,4,5-TP)	<0.10	*+	0.10	0.050	mg/L		09/06/23 15:49	09/08/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*25 - 130*	*09/06/23 15:49*	*09/08/23 16:23*	*1*
2,4-Dichlorophenylacetic acid	*98*		*25 - 130*	*09/06/23 15:49*	*09/08/23 16:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/23 09:27	09/07/23 16:49	1
Barium	**0.59**		0.50	0.050	mg/L		09/06/23 09:27	09/07/23 16:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/23 09:27	09/06/23 23:21	1
Chromium	<0.025	^+	0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:21	1
Lead	**2.4**		0.050	0.0075	mg/L		09/06/23 09:27	09/07/23 16:49	1
Selenium	<0.050		0.050	0.020	mg/L		09/06/23 09:27	09/07/23 16:49	1
Silver	<0.025		0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:21	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/07/23 14:55	09/08/23 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive (EPA 7.3.4)	<47		47	3.7	mg/Kg		08/31/23 13:30	09/01/23 08:16	1
pH (SW846 9045D)	**12.4**		0.2	0.2	SU			08/31/23 15:15	1
Paint Filter (SW846 9095B)	**PASS**				No Unit			09/07/23 09:28	1
Flashpoint (ASTM D92)	**>200**		99.0	99.0	Degrees F			09/07/23 00:00	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B2

Date Collected: 08/24/23 14:05
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-4

Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0072	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1
PCB-1221	<0.018		0.018	0.0072	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1
PCB-1232	<0.018		0.018	0.0049	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1
PCB-1242	<0.018		0.018	0.0071	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1
PCB-1248	<0.018		0.018	0.0087	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1
PCB-1254	<0.018		0.018	0.0062	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1
PCB-1260	<0.018		0.018	0.0069	mg/Kg	☼	09/01/23 07:45	09/05/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*49 - 129*	*09/01/23 07:45*	*09/05/23 15:41*	*1*
DCB Decachlorobiphenyl	*72*		*37 - 121*	*09/01/23 07:45*	*09/05/23 15:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<1.1		1.1	0.36	mg/Kg	☼	09/05/23 08:34	09/06/23 18:53	1
Phenolics, Total Recoverable (SW846 9066)	<0.56		0.56	0.46	mg/Kg	☼	09/12/23 12:16	09/12/23 17:28	1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

GC/MS VOA

Leach Batch: 730830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	1311	
500-238733-2	WP-B1	TCLP	Solid	1311	
500-238733-3	WP-A2	TCLP	Solid	1311	
500-238733-4	WP-B2	TCLP	Solid	1311	
LB 500-730830/1-A	Method Blank	TCLP	Solid	1311	
LCS 500-730830/2-A	Lab Control Sample	TCLP	Solid	1311	

Analysis Batch: 730886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	8260D	730830
500-238733-2	WP-B1	TCLP	Solid	8260D	730830
500-238733-3	WP-A2	TCLP	Solid	8260D	730830
500-238733-4	WP-B2	TCLP	Solid	8260D	730830
LB 500-730830/1-A	Method Blank	TCLP	Solid	8260D	730830
MB 500-730886/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-730830/2-A	Lab Control Sample	TCLP	Solid	8260D	730830
LCS 500-730886/4	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 730626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	1311	
500-238733-3	WP-A2	TCLP	Solid	1311	
LB 500-730626/1-C	Method Blank	TCLP	Solid	1311	

Leach Batch: 730627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	TCLP	Solid	1311	
500-238733-4	WP-B2	TCLP	Solid	1311	
LB2 500-730627/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 731026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	3510C	730626
500-238733-2	WP-B1	TCLP	Solid	3510C	730627
500-238733-3	WP-A2	TCLP	Solid	3510C	730626
500-238733-4	WP-B2	TCLP	Solid	3510C	730627
LB 500-730626/1-C	Method Blank	TCLP	Solid	3510C	730626
LB2 500-730627/1-C	Method Blank	TCLP	Solid	3510C	730627
MB 500-731026/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-731026/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 731129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	8270E	731026
500-238733-2	WP-B1	TCLP	Solid	8270E	731026
500-238733-3	WP-A2	TCLP	Solid	8270E	731026
500-238733-4	WP-B2	TCLP	Solid	8270E	731026
LB 500-730626/1-C	Method Blank	TCLP	Solid	8270E	731026
LB2 500-730627/1-C	Method Blank	TCLP	Solid	8270E	731026

GC/MS Semi VOA (Continued)

Analysis Batch: 731129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-731026/1-A	Method Blank	Total/NA	Solid	8270E	731026
LCS 500-731026/2-A	Lab Control Sample	Total/NA	Solid	8270E	731026

GC Semi VOA

Prep Batch: 730496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	3541	
500-238733-2	WP-B1	Total/NA	Solid	3541	
500-238733-3	WP-A2	Total/NA	Solid	3541	
500-238733-4	WP-B2	Total/NA	Solid	3541	
MB 500-730496/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-730496/2-A	Lab Control Sample	Total/NA	Solid	3541	

Leach Batch: 730626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	1311	
500-238733-3	WP-A2	TCLP	Solid	1311	
LB 500-730626/1-D	Method Blank	TCLP	Solid	1311	
LB 500-730626/1-E	Method Blank	TCLP	Solid	1311	

Leach Batch: 730627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	TCLP	Solid	1311	
500-238733-4	WP-B2	TCLP	Solid	1311	
LB2 500-730627/1-D	Method Blank	TCLP	Solid	1311	
LB2 500-730627/1-E	Method Blank	TCLP	Solid	1311	

Analysis Batch: 730748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-3	WP-A2	Total/NA	Solid	8082A	730496
500-238733-4	WP-B2	Total/NA	Solid	8082A	730496
MB 500-730496/1-A	Method Blank	Total/NA	Solid	8082A	730496
LCS 500-730496/2-A	Lab Control Sample	Total/NA	Solid	8082A	730496

Analysis Batch: 731011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	Total/NA	Solid	8082A	730496

Prep Batch: 731053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	8151A	730626
500-238733-2	WP-B1	TCLP	Solid	8151A	730627
500-238733-3	WP-A2	TCLP	Solid	8151A	730626
500-238733-4	WP-B2	TCLP	Solid	8151A	730627
LB 500-730626/1-D	Method Blank	TCLP	Solid	8151A	730626
LB2 500-730627/1-D	Method Blank	TCLP	Solid	8151A	730627
MB 500-731053/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 500-731053/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 500-731053/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

QC Association Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

GC Semi VOA

Prep Batch: 731141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	3510C	730626
500-238733-2	WP-B1	TCLP	Solid	3510C	730627
500-238733-3	WP-A2	TCLP	Solid	3510C	730626
500-238733-4	WP-B2	TCLP	Solid	3510C	730627
LB 500-730626/1-E	Method Blank	TCLP	Solid	3510C	730626
LB2 500-730627/1-E	Method Blank	TCLP	Solid	3510C	730627
MB 500-731141/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-731141/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCS 500-731141/4-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 500-731141/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
LCSD 500-731141/5-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 731144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	8082A	730496

Analysis Batch: 731377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	8081B	731141
500-238733-2	WP-B1	TCLP	Solid	8081B	731141
500-238733-3	WP-A2	TCLP	Solid	8081B	731141
500-238733-4	WP-B2	TCLP	Solid	8081B	731141
LB 500-730626/1-E	Method Blank	TCLP	Solid	8081B	731141
LB2 500-730627/1-E	Method Blank	TCLP	Solid	8081B	731141
MB 500-731141/1-A	Method Blank	Total/NA	Solid	8081B	731141
LCS 500-731141/2-A	Lab Control Sample	Total/NA	Solid	8081B	731141
LCS 500-731141/4-A	Lab Control Sample	Total/NA	Solid	8081B	731141
LCSD 500-731141/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	731141
LCSD 500-731141/5-A	Lab Control Sample Dup	Total/NA	Solid	8081B	731141

Analysis Batch: 731397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	8151A	731053
500-238733-2	WP-B1	TCLP	Solid	8151A	731053
500-238733-3	WP-A2	TCLP	Solid	8151A	731053
500-238733-4	WP-B2	TCLP	Solid	8151A	731053
LB 500-730626/1-D	Method Blank	TCLP	Solid	8151A	731053
LB2 500-730627/1-D	Method Blank	TCLP	Solid	8151A	731053
MB 500-731053/1-A	Method Blank	Total/NA	Solid	8151A	731053
LCS 500-731053/2-A	Lab Control Sample	Total/NA	Solid	8151A	731053
LCSD 500-731053/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	731053

Metals

Leach Batch: 730626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	1311	
500-238733-3	WP-A2	TCLP	Solid	1311	
LB 500-730626/1-B	Method Blank	TCLP	Solid	1311	
LB 500-730626/2-B	Method Blank	TCLP	Solid	1311	

QC Association Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Metals

Leach Batch: 730627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	TCLP	Solid	1311	
500-238733-4	WP-B2	TCLP	Solid	1311	
LB2 500-730627/1-B	Method Blank	TCLP	Solid	1311	
LB2 500-730627/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 730955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	7470A	730626
500-238733-3	WP-A2	TCLP	Solid	7470A	730626
LB 500-730626/1-B	Method Blank	TCLP	Solid	7470A	730626
MB 500-730955/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-730955/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 730983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	3010A	730626
500-238733-2	WP-B1	TCLP	Solid	3010A	730627
500-238733-3	WP-A2	TCLP	Solid	3010A	730626
500-238733-4	WP-B2	TCLP	Solid	3010A	730627
LB 500-730626/2-B	Method Blank	TCLP	Solid	3010A	730626
LB2 500-730627/1-B	Method Blank	TCLP	Solid	3010A	730627
LCS 500-730983/14-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 731192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	6010D	730983
500-238733-2	WP-B1	TCLP	Solid	6010D	730983
500-238733-3	WP-A2	TCLP	Solid	6010D	730983
500-238733-4	WP-B2	TCLP	Solid	6010D	730983
LB 500-730626/2-B	Method Blank	TCLP	Solid	6010D	730983
LB2 500-730627/1-B	Method Blank	TCLP	Solid	6010D	730983
LCS 500-730983/14-A	Lab Control Sample	Total/NA	Solid	6010D	730983

Analysis Batch: 731203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	7470A	730955
500-238733-3	WP-A2	TCLP	Solid	7470A	730955
LB 500-730626/1-B	Method Blank	TCLP	Solid	7470A	730955
MB 500-730955/12-A	Method Blank	Total/NA	Solid	7470A	730955
LCS 500-730955/14-A	Lab Control Sample	Total/NA	Solid	7470A	730955

Prep Batch: 731256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	TCLP	Solid	7470A	730627
500-238733-4	WP-B2	TCLP	Solid	7470A	730627
LB2 500-730627/1-F	Method Blank	TCLP	Solid	7470A	730627
MB 500-731256/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-731256/32-A	Lab Control Sample	Total/NA	Solid	7470A	

QC Association Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Metals

Analysis Batch: 731386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	TCLP	Solid	6010D	730983
500-238733-2	WP-B1	TCLP	Solid	6010D	730983
500-238733-3	WP-A2	TCLP	Solid	6010D	730983
500-238733-4	WP-B2	TCLP	Solid	6010D	730983
LB2 500-730627/1-B	Method Blank	TCLP	Solid	6010D	730983
LCS 500-730983/14-A	Lab Control Sample	Total/NA	Solid	6010D	730983

Analysis Batch: 731463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	TCLP	Solid	7470A	731256
500-238733-4	WP-B2	TCLP	Solid	7470A	731256
LB2 500-730627/1-F	Method Blank	TCLP	Solid	7470A	731256
MB 500-731256/12-A	Method Blank	Total/NA	Solid	7470A	731256
LCS 500-731256/32-A	Lab Control Sample	Total/NA	Solid	7470A	731256

Analysis Batch: 731466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-730626/2-B	Method Blank	TCLP	Solid	6010D	730983

General Chemistry

Prep Batch: 398556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	9012B	
500-238733-2	WP-B1	Total/NA	Solid	9012B	
500-238733-3	WP-A2	Total/NA	Solid	9012B	
500-238733-4	WP-B2	Total/NA	Solid	9012B	
MB 310-398556/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 310-398556/2-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 398780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	9012B	398556
500-238733-2	WP-B1	Total/NA	Solid	9012B	398556
500-238733-3	WP-A2	Total/NA	Solid	9012B	398556
500-238733-4	WP-B2	Total/NA	Solid	9012B	398556
MB 310-398556/1-A	Method Blank	Total/NA	Solid	9012B	398556
LCS 310-398556/2-A	Lab Control Sample	Total/NA	Solid	9012B	398556

Analysis Batch: 730044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	9045D	
500-238733-3	WP-A2	Total/NA	Solid	9045D	
LCS 500-730044/5	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-730044/6	Lab Control Sample Dup	Total/NA	Solid	9045D	

Prep Batch: 730381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	7.3.4	
500-238733-2	WP-B1	Total/NA	Solid	7.3.4	
500-238733-3	WP-A2	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Prep Batch: 730381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-4	WP-B2	Total/NA	Solid	7.3.4	
MB 500-730381/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 500-730381/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
500-238733-1 MS	WP-A1	Total/NA	Solid	7.3.4	
500-238733-1 MSD	WP-A1	Total/NA	Solid	7.3.4	

Analysis Batch: 730385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-2	WP-B1	Total/NA	Solid	9045D	
500-238733-4	WP-B2	Total/NA	Solid	9045D	
LCS 500-730385/5	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-730385/6	Lab Control Sample Dup	Total/NA	Solid	9045D	

Analysis Batch: 730500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	7.3.4	730381
500-238733-2	WP-B1	Total/NA	Solid	7.3.4	730381
500-238733-3	WP-A2	Total/NA	Solid	7.3.4	730381
500-238733-4	WP-B2	Total/NA	Solid	7.3.4	730381
MB 500-730381/1-A	Method Blank	Total/NA	Solid	7.3.4	730381
LCS 500-730381/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	730381
500-238733-1 MS	WP-A1	Total/NA	Solid	7.3.4	730381
500-238733-1 MSD	WP-A1	Total/NA	Solid	7.3.4	730381

Analysis Batch: 730568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	Moisture	
500-238733-2	WP-B1	Total/NA	Solid	Moisture	
500-238733-3	WP-A2	Total/NA	Solid	Moisture	
500-238733-4	WP-B2	Total/NA	Solid	Moisture	
500-238733-2 DU	WP-B1	Total/NA	Solid	Moisture	

Analysis Batch: 730699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	D92	
500-238733-2	WP-B1	Total/NA	Solid	D92	
500-238733-3	WP-A2	Total/NA	Solid	D92	

Analysis Batch: 731087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-4	WP-B2	Total/NA	Solid	D92	

Analysis Batch: 731175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	9095B	
500-238733-2	WP-B1	Total/NA	Solid	9095B	
500-238733-3	WP-A2	Total/NA	Solid	9095B	
500-238733-4	WP-B2	Total/NA	Solid	9095B	

QC Association Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

General Chemistry

Prep Batch: 731906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	Distill/Phenol	
500-238733-2	WP-B1	Total/NA	Solid	Distill/Phenol	
500-238733-3	WP-A2	Total/NA	Solid	Distill/Phenol	
500-238733-4	WP-B2	Total/NA	Solid	Distill/Phenol	
MB 500-731906/1-A	Method Blank	Total/NA	Solid	Distill/Phenol	
LCS 500-731906/2-A	Lab Control Sample	Total/NA	Solid	Distill/Phenol	
500-238733-1 MS	WP-A1	Total/NA	Solid	Distill/Phenol	
500-238733-1 MSD	WP-A1	Total/NA	Solid	Distill/Phenol	

Analysis Batch: 732040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238733-1	WP-A1	Total/NA	Solid	9066	731906
500-238733-2	WP-B1	Total/NA	Solid	9066	731906
500-238733-3	WP-A2	Total/NA	Solid	9066	731906
500-238733-4	WP-B2	Total/NA	Solid	9066	731906
MB 500-731906/1-A	Method Blank	Total/NA	Solid	9066	731906
LCS 500-731906/2-A	Lab Control Sample	Total/NA	Solid	9066	731906
500-238733-1 MS	WP-A1	Total/NA	Solid	9066	731906
500-238733-1 MSD	WP-A1	Total/NA	Solid	9066	731906

Surrogate Summary

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
LCS 500-730886/4	Lab Control Sample	102	93	106	100
MB 500-730886/6	Method Blank	106	90	111	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
500-238733-1	WP-A1	110	90	112	107
500-238733-2	WP-B1	108	90	110	106
500-238733-3	WP-A2	109	89	110	105
500-238733-4	WP-B2	111	90	111	108
LB 500-730830/1-A	Method Blank	108	91	110	106
LCS 500-730830/2-A	Lab Control Sample	103	91	111	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(27-110)	(20-100)	(36-120)	(34-110)	(40-145)	(40-145)
LCS 500-731026/2-A	Lab Control Sample	57	42	90	84	85	87
MB 500-731026/1-A	Method Blank	55	38	84	77	69	83

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(27-110)	(20-100)	(36-120)	(34-110)	(40-145)	(40-145)
500-238733-1	WP-A1	47	31	72	70	52	71

Surrogate Summary

Client: Deigan & Associates LLC
Job ID: 500-238733-1
Project/Site: N. Chicago - Sheridan Crossings (21-016)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(27-110)	(20-100)	(36-120)	(34-110)	(40-145)	(40-145)
500-238733-2	WP-B1	47	31	75	73	55	71
500-238733-3	WP-A2	46	31	71	68	52	69
500-238733-4	WP-B2	46	31	70	67	50	73
LB 500-730626/1-C	Method Blank	45	27	83	73	66	83
LB2 500-730627/1-C	Method Blank	53	35	81	75	67	81

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(30-130)	(30-120)
LCS 500-731141/2-A	Lab Control Sample	74	65
LCS 500-731141/4-A	Lab Control Sample	57	56
LCSD 500-731141/3-A	Lab Control Sample Dup	77	61
LCSD 500-731141/5-A	Lab Control Sample Dup	74	64
MB 500-731141/1-A	Method Blank	96	81

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(30-130)	(30-120)
500-238733-1	WP-A1	69	63
500-238733-2	WP-B1	79	72
500-238733-3	WP-A2	75	67
500-238733-4	WP-B2	73	69
LB 500-730626/1-E	Method Blank	88	75
LB2 500-730627/1-E	Method Blank	91	78

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Deigan & Associates LLC
Job ID: 500-238733-1
Project/Site: N. Chicago - Sheridan Crossings (21-016)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-238733-1	WP-A1	0 S1-	0 S1-
500-238733-2	WP-B1	0 S1-	0 S1-
500-238733-3	WP-A2	59	52
500-238733-4	WP-B2	85	72
LCS 500-730496/2-A	Lab Control Sample	92	87
MB 500-730496/1-A	Method Blank	114	119

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(25-130)	(25-130)
LCS 500-731053/2-A	Lab Control Sample	110	99
LCSD 500-731053/3-A	Lab Control Sample Dup	135 S1+	127
MB 500-731053/1-A	Method Blank	100	107

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(25-130)	(25-130)
500-238733-1	WP-A1	118	
500-238733-2	WP-B1	106	
500-238733-3	WP-A2	91	94
500-238733-4	WP-B2	92	98
LB 500-730626/1-D	Method Blank	103	102
LB2 500-730627/1-D	Method Blank	106	103

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 500-730886/6
Matrix: Solid
Analysis Batch: 730886

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
Carbon tetrachloride	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
Chlorobenzene	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
Chloroform	<0.0020		0.0020	0.0010	mg/L			09/06/23 10:48	1
1,2-Dichloroethane	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
1,1-Dichloroethene	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
2-Butanone (MEK)	<0.0050		0.0050	0.0025	mg/L			09/06/23 10:48	1
Tetrachloroethene	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
Trichloroethene	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1
Vinyl chloride	<0.0010		0.0010	0.00050	mg/L			09/06/23 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*09/06/23 10:48*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 10:48*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*09/06/23 10:48*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*09/06/23 10:48*	*1*

Lab Sample ID: LCS 500-730886/4
Matrix: Solid
Analysis Batch: 730886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0465		mg/L		93	70 - 120
Carbon tetrachloride	0.0500	0.0536		mg/L		107	59 - 133
Chlorobenzene	0.0500	0.0465		mg/L		93	70 - 120
Chloroform	0.0500	0.0465		mg/L		93	70 - 120
1,2-Dichloroethane	0.0500	0.0507		mg/L		101	68 - 127
1,1-Dichloroethene	0.0500	0.0451		mg/L		90	67 - 122
2-Butanone (MEK)	0.0500	0.0468		mg/L		94	46 - 144
Tetrachloroethene	0.0500	0.0417		mg/L		83	70 - 128
Trichloroethene	0.0500	0.0469		mg/L		94	70 - 125
Vinyl chloride	0.0500	0.0523		mg/L		105	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*

Lab Sample ID: LB 500-730830/1-A
Matrix: Solid
Analysis Batch: 730886

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
Chloroform	<0.040		0.040	0.020	mg/L			09/06/23 11:12	20

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

Lab Sample ID: LB 500-730830/1-A
Matrix: Solid
Analysis Batch: 730886

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
2-Butanone (MEK)	<0.10		0.10	0.050	mg/L			09/06/23 11:12	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/06/23 11:12	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*09/06/23 11:12*	*20*
Toluene-d8 (Surr)	*91*		*75 - 120*		*09/06/23 11:12*	*20*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*09/06/23 11:12*	*20*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/06/23 11:12*	*20*

Lab Sample ID: LCS 500-730830/2-A
Matrix: Solid
Analysis Batch: 730886

Client Sample ID: Lab Control Sample
Prep Type: TCLP

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.940		mg/L		94	70 - 120
Carbon tetrachloride	1.00	1.10		mg/L		110	59 - 133
Chlorobenzene	1.00	0.925		mg/L		92	70 - 120
Chloroform	1.00	0.950		mg/L		95	70 - 120
1,2-Dichloroethane	1.00	1.05		mg/L		105	68 - 127
1,1-Dichloroethene	1.00	0.944		mg/L		94	67 - 122
2-Butanone (MEK)	1.00	0.912		mg/L		91	46 - 144
Tetrachloroethene	1.00	0.836		mg/L		84	70 - 128
Trichloroethene	1.00	0.934		mg/L		93	70 - 125
Vinyl chloride	1.00	1.08		mg/L		108	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*91*		*75 - 120*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*

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

Lab Sample ID: MB 500-731026/1-A
Matrix: Solid
Analysis Batch: 731129

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 731026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 12:04	1
1,4-Dichlorobenzene	<0.0020		0.0020	0.0020	mg/L		09/06/23 12:08	09/07/23 12:04	1
2-Methylphenol	<0.0020		0.0020	0.0020	mg/L		09/06/23 12:08	09/07/23 12:04	1
Hexachloroethane	<0.0050		0.0050	0.0050	mg/L		09/06/23 12:08	09/07/23 12:04	1
Nitrobenzene	<0.0010		0.0010	0.0010	mg/L		09/06/23 12:08	09/07/23 12:04	1
Hexachlorobutadiene	<0.0050		0.0050	0.0050	mg/L		09/06/23 12:08	09/07/23 12:04	1

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

Lab Sample ID: MB 500-731026/1-A
Matrix: Solid
Analysis Batch: 731129

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 731026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.0050		0.0050	0.0050	mg/L		09/06/23 12:08	09/07/23 12:04	1
2,4,5-Trichlorophenol	<0.010		0.010	0.010	mg/L		09/06/23 12:08	09/07/23 12:04	1
2,4-Dinitrotoluene	<0.0010		0.0010	0.0010	mg/L		09/06/23 12:08	09/07/23 12:04	1
Hexachlorobenzene	<0.00050		0.00050	0.00050	mg/L		09/06/23 12:08	09/07/23 12:04	1
Pentachlorophenol	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 12:04	1
3 & 4 Methylphenol	<0.0020		0.0020	0.0020	mg/L		09/06/23 12:08	09/07/23 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*55*		*27 - 110*	*09/06/23 12:08*	*09/07/23 12:04*	*1*
Phenol-d5 (Surr)	*38*		*20 - 100*	*09/06/23 12:08*	*09/07/23 12:04*	*1*
Nitrobenzene-d5 (Surr)	*84*		*36 - 120*	*09/06/23 12:08*	*09/07/23 12:04*	*1*
2-Fluorobiphenyl (Surr)	*77*		*34 - 110*	*09/06/23 12:08*	*09/07/23 12:04*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*40 - 145*	*09/06/23 12:08*	*09/07/23 12:04*	*1*
Terphenyl-d14 (Surr)	*83*		*40 - 145*	*09/06/23 12:08*	*09/07/23 12:04*	*1*

Lab Sample ID: LCS 500-731026/2-A
Matrix: Solid
Analysis Batch: 731129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 731026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pyridine	0.0800	0.0295		mg/L		37	15 - 110
1,4-Dichlorobenzene	0.0400	0.0297		mg/L		74	23 - 110
2-Methylphenol	0.0400	0.0305		mg/L		76	53 - 115
Hexachloroethane	0.0400	0.0315		mg/L		79	20 - 100
Nitrobenzene	0.0400	0.0347		mg/L		87	54 - 121
Hexachlorobutadiene	0.0400	0.0309		mg/L		77	20 - 100
2,4,6-Trichlorophenol	0.0400	0.0361		mg/L		90	62 - 121
2,4,5-Trichlorophenol	0.0400	0.0361		mg/L		90	63 - 124
2,4-Dinitrotoluene	0.0400	0.0389		mg/L		97	63 - 129
Hexachlorobenzene	0.0400	0.0327		mg/L		82	61 - 126
Pentachlorophenol	0.0800	0.0638		mg/L		80	42 - 148
3 & 4 Methylphenol	0.0400	0.0300		mg/L		75	50 - 116

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*57*		*27 - 110*
Phenol-d5 (Surr)	*42*		*20 - 100*
Nitrobenzene-d5 (Surr)	*90*		*36 - 120*
2-Fluorobiphenyl (Surr)	*84*		*34 - 110*
2,4,6-Tribromophenol (Surr)	*85*		*40 - 145*
Terphenyl-d14 (Surr)	*87*		*40 - 145*

Lab Sample ID: LB 500-730626/1-C
Matrix: Solid
Analysis Batch: 731129

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 731026

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.20		0.20	0.20	mg/L		09/06/23 12:08	09/07/23 12:53	1
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 12:53	1

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

Lab Sample ID: LB 500-730626/1-C
Matrix: Solid
Analysis Batch: 731129

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 731026

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 12:53	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 12:53	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		09/06/23 12:08	09/07/23 12:53	1
Hexachlorobutadiene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 12:53	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 12:53	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 12:53	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		09/06/23 12:08	09/07/23 12:53	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		09/06/23 12:08	09/07/23 12:53	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		09/06/23 12:08	09/07/23 12:53	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 12:53	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*45*		*27 - 110*	*09/06/23 12:08*	*09/07/23 12:53*	*1*
Phenol-d5 (Surr)	*27*		*20 - 100*	*09/06/23 12:08*	*09/07/23 12:53*	*1*
Nitrobenzene-d5 (Surr)	*83*		*36 - 120*	*09/06/23 12:08*	*09/07/23 12:53*	*1*
2-Fluorobiphenyl (Surr)	*73*		*34 - 110*	*09/06/23 12:08*	*09/07/23 12:53*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*40 - 145*	*09/06/23 12:08*	*09/07/23 12:53*	*1*
Terphenyl-d14 (Surr)	*83*		*40 - 145*	*09/06/23 12:08*	*09/07/23 12:53*	*1*

Lab Sample ID: LB2 500-730627/1-C
Matrix: Solid
Analysis Batch: 731129

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 731026

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.20		0.20	0.20	mg/L		09/06/23 12:08	09/07/23 15:44	1
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 15:44	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 15:44	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 15:44	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		09/06/23 12:08	09/07/23 15:44	1
Hexachlorobutadiene	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 15:44	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		09/06/23 12:08	09/07/23 15:44	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		09/06/23 12:08	09/07/23 15:44	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		09/06/23 12:08	09/07/23 15:44	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		09/06/23 12:08	09/07/23 15:44	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		09/06/23 12:08	09/07/23 15:44	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		09/06/23 12:08	09/07/23 15:44	1

Surrogate	*LB2 %Recovery*	*LB2 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*53*		*27 - 110*	*09/06/23 12:08*	*09/07/23 15:44*	*1*
Phenol-d5 (Surr)	*35*		*20 - 100*	*09/06/23 12:08*	*09/07/23 15:44*	*1*
Nitrobenzene-d5 (Surr)	*81*		*36 - 120*	*09/06/23 12:08*	*09/07/23 15:44*	*1*
2-Fluorobiphenyl (Surr)	*75*		*34 - 110*	*09/06/23 12:08*	*09/07/23 15:44*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*40 - 145*	*09/06/23 12:08*	*09/07/23 15:44*	*1*
Terphenyl-d14 (Surr)	*81*		*40 - 145*	*09/06/23 12:08*	*09/07/23 15:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 500-731141/1-A
Matrix: Solid
Analysis Batch: 731377

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 731141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.00010		0.00010	0.000050	mg/L		09/07/23 08:12	09/08/23 10:15	1
Endrin	<0.000050		0.000050	0.000025	mg/L		09/07/23 08:12	09/08/23 10:15	1
gamma-BHC (Lindane)	<0.000050		0.000050	0.000025	mg/L		09/07/23 08:12	09/08/23 10:15	1
Heptachlor	<0.000040		0.000040	0.000020	mg/L		09/07/23 08:12	09/08/23 10:15	1
Heptachlor epoxide	<0.000040		0.000040	0.000020	mg/L		09/07/23 08:12	09/08/23 10:15	1
Methoxychlor	<0.00010		0.00010	0.000050	mg/L		09/07/23 08:12	09/08/23 10:15	1
Toxaphene	<0.00050		0.00050	0.00025	mg/L		09/07/23 08:12	09/08/23 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*30 - 130*	*09/07/23 08:12*	*09/08/23 10:15*	*1*
Tetrachloro-m-xylene	*81*		*30 - 120*	*09/07/23 08:12*	*09/08/23 10:15*	*1*

Lab Sample ID: LCS 500-731141/2-A
Matrix: Solid
Analysis Batch: 731377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 731141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.0000999	0.0000955		mg/L		96	53 - 137
gamma-BHC (Lindane)	0.000100	0.0000815		mg/L		81	41 - 107
Heptachlor	0.0000999	0.0000905		mg/L		91	33 - 126
Heptachlor epoxide	0.000100	0.0000925		mg/L		92	55 - 132
Methoxychlor	0.00100	0.000841		mg/L		84	40 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*30 - 130*
Tetrachloro-m-xylene	*65*		*30 - 120*

Lab Sample ID: LCS 500-731141/4-A
Matrix: Solid
Analysis Batch: 731377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 731141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.0100	0.00722		mg/L		72	44 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*30 - 130*
Tetrachloro-m-xylene	*56*		*30 - 120*

Lab Sample ID: LCSD 500-731141/3-A
Matrix: Solid
Analysis Batch: 731377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 731141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin	0.0000999	0.0000887		mg/L		89	53 - 137	7	20
gamma-BHC (Lindane)	0.000100	0.0000752		mg/L		75	41 - 107	8	20
Heptachlor	0.0000999	0.0000834		mg/L		83	33 - 126	8	20
Heptachlor epoxide	0.000100	0.0000862		mg/L		86	55 - 132	7	20
Methoxychlor	0.00100	0.000784		mg/L		78	40 - 125	7	20

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	77		30 - 130
Tetrachloro-m-xylene	61		30 - 120

Lab Sample ID: LCSD 500-731141/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731377 — **Prep Batch: 731141**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene			0.0100	0.00831		mg/L		83	44 - 137	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	74		30 - 130
Tetrachloro-m-xylene	64		30 - 120

Lab Sample ID: LB 500-730626/1-E — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 731377 — **Prep Batch: 731141**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 11:48	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 11:48	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 11:48	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 11:48	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 11:48	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 11:48	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/23 08:12	09/08/23 11:48	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		30 - 130	09/07/23 08:12	09/08/23 11:48	1
Tetrachloro-m-xylene	75		30 - 120	09/07/23 08:12	09/08/23 11:48	1

Lab Sample ID: LB2 500-730627/1-E — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 731377 — **Prep Batch: 731141**

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 11:59	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 11:59	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/23 08:12	09/08/23 11:59	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 11:59	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/23 08:12	09/08/23 11:59	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/23 08:12	09/08/23 11:59	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/23 08:12	09/08/23 11:59	1

Surrogate	LB2 %Recovery	LB2 Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		30 - 130	09/07/23 08:12	09/08/23 11:59	1
Tetrachloro-m-xylene	78		30 - 120	09/07/23 08:12	09/08/23 11:59	1

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

Lab Sample ID: MB 500-730496/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 730748 — **Prep Batch: 730496**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.017		0.017	0.0066	mg/Kg		09/01/23 07:45	09/05/23 12:20	1
PCB-1221	<0.017		0.017	0.0066	mg/Kg		09/01/23 07:45	09/05/23 12:20	1
PCB-1232	<0.017		0.017	0.0045	mg/Kg		09/01/23 07:45	09/05/23 12:20	1
PCB-1242	<0.017		0.017	0.0065	mg/Kg		09/01/23 07:45	09/05/23 12:20	1
PCB-1248	<0.017		0.017	0.0079	mg/Kg		09/01/23 07:45	09/05/23 12:20	1
PCB-1254	<0.017		0.017	0.0057	mg/Kg		09/01/23 07:45	09/05/23 12:20	1
PCB-1260	<0.017		0.017	0.0063	mg/Kg		09/01/23 07:45	09/05/23 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*114*		*49 - 129*	*09/01/23 07:45*	*09/05/23 12:20*	*1*
DCB Decachlorobiphenyl	*119*		*37 - 121*	*09/01/23 07:45*	*09/05/23 12:20*	*1*

Lab Sample ID: LCS 500-730496/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 730748 — **Prep Batch: 730496**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.167	0.145		mg/Kg		87	57 - 120
PCB-1260	0.167	0.141		mg/Kg		85	61 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*92*		*49 - 129*
DCB Decachlorobiphenyl	*87*		*37 - 121*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 500-731053/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731397 — **Prep Batch: 731053**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.0010		0.0010	0.00050	mg/L		09/06/23 15:49	09/08/23 10:54	1
2,4-D	<0.0010		0.0010	0.00050	mg/L		09/06/23 15:49	09/08/23 10:54	1
Silvex (2,4,5-TP)	<0.0010		0.0010	0.00050	mg/L		09/06/23 15:49	09/08/23 10:54	1
Silvex (2,4,5-TP)	<0.0010		0.0010	0.00050	mg/L		09/06/23 15:49	09/08/23 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*25 - 130*	*09/06/23 15:49*	*09/08/23 10:54*	*1*
2,4-Dichlorophenylacetic acid	*107*		*25 - 130*	*09/06/23 15:49*	*09/08/23 10:54*	*1*

Lab Sample ID: LCS 500-731053/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731397 — **Prep Batch: 731053**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	0.0101	0.0125	*+	mg/L		124	30 - 115
2,4-D	0.0101	0.00937		mg/L		93	30 - 115
Silvex (2,4,5-TP)	0.00250	0.00293	*+	mg/L		117	32 - 115

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 500-731053/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 731397
Prep Batch: 731053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	0.00250	0.00265		mg/L		106	32 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*110*		*25 - 130*
2,4-Dichlorophenylacetic acid	*99*		*25 - 130*

Lab Sample ID: LCSD 500-731053/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 731397
Prep Batch: 731053

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D	0.0101	0.0166	*+ *1	mg/L		165	30 - 115	28	20
2,4-D	0.0101	0.0119	*+	mg/L		118	30 - 115	5	20
Silvex (2,4,5-TP)	0.00250	0.00356	*+	mg/L		142	32 - 115	19	20
Silvex (2,4,5-TP)	0.00250	0.00329	*+	mg/L		132	32 - 115	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*135*	*S1+*	*25 - 130*
2,4-Dichlorophenylacetic acid	*127*		*25 - 130*

Lab Sample ID: LB 500-730626/1-D
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 731397
Prep Batch: 731053

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:25	1
2,4-D	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:25	1
Silvex (2,4,5-TP)	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:25	1
Silvex (2,4,5-TP)	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:25	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*103*		*25 - 130*	*09/06/23 15:49*	*09/08/23 12:25*	*1*
2,4-Dichlorophenylacetic acid	*102*		*25 - 130*	*09/06/23 15:49*	*09/08/23 12:25*	*1*

Lab Sample ID: LB2 500-730627/1-D
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 731397
Prep Batch: 731053

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:44	1
2,4-D	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:44	1
Silvex (2,4,5-TP)	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:44	1
Silvex (2,4,5-TP)	<0.10		0.10	0.050	mg/L		09/06/23 15:49	09/08/23 12:44	1

Surrogate	*LB2 %Recovery*	*LB2 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*106*		*25 - 130*	*09/06/23 15:49*	*09/08/23 12:44*	*1*
2,4-Dichlorophenylacetic acid	*103*		*25 - 130*	*09/06/23 15:49*	*09/08/23 12:44*	*1*

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 500-730983/14-A
Matrix: Solid
Analysis Batch: 731192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.0500	0.0487		mg/L		97	80 - 120
Chromium	0.200	0.233	^+	mg/L		117	80 - 120
Silver	0.0500	0.0569		mg/L		114	80 - 120

Lab Sample ID: LCS 500-730983/14-A
Matrix: Solid
Analysis Batch: 731386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	0.500	0.525		mg/L		105	80 - 120
Lead	0.100	0.0957		mg/L		96	80 - 120
Selenium	0.100	0.111		mg/L		111	80 - 120

Lab Sample ID: LB 500-730626/2-B
Matrix: Solid
Analysis Batch: 731192

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730983

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/23 09:27	09/06/23 22:10	1
Chromium	<0.025	^+	0.025	0.010	mg/L		09/06/23 09:27	09/06/23 22:10	1
Lead	<0.050		0.050	0.0075	mg/L		09/06/23 09:27	09/06/23 22:10	1
Silver	<0.025		0.025	0.010	mg/L		09/06/23 09:27	09/06/23 22:10	1

Lab Sample ID: LB 500-730626/2-B
Matrix: Solid
Analysis Batch: 731466

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730983

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/23 09:27	09/08/23 12:24	1
Barium	<0.50		0.50	0.050	mg/L		09/06/23 09:27	09/08/23 12:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/06/23 09:27	09/08/23 12:24	1

Lab Sample ID: LB2 500-730627/1-B
Matrix: Solid
Analysis Batch: 731192

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730983

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/23 09:27	09/06/23 23:06	1
Chromium	<0.025	^+	0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:06	1
Silver	<0.025		0.025	0.010	mg/L		09/06/23 09:27	09/06/23 23:06	1

Lab Sample ID: LB2 500-730627/1-B
Matrix: Solid
Analysis Batch: 731386

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730983

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/06/23 09:27	09/07/23 16:34	1
Barium	<0.50		0.50	0.050	mg/L		09/06/23 09:27	09/07/23 16:34	1
Lead	<0.050		0.050	0.0075	mg/L		09/06/23 09:27	09/07/23 16:34	1

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

Lab Sample ID: LB2 500-730627/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 731386 — **Prep Batch: 730983**

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.050		0.050	0.020	mg/L		09/06/23 09:27	09/07/23 16:34	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 500-730955/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731203 — **Prep Batch: 730955**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/23 09:20	09/07/23 09:22	1

Lab Sample ID: LCS 500-730955/14-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731203 — **Prep Batch: 730955**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00205		mg/L		102	80 - 120

Lab Sample ID: MB 500-731256/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731463 — **Prep Batch: 731256**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/07/23 14:55	09/08/23 12:36	1

Lab Sample ID: LCS 500-731256/32-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 731463 — **Prep Batch: 731256**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00200		mg/L		100	80 - 120

Lab Sample ID: LB 500-730626/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 731203 — **Prep Batch: 730955**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/23 09:20	09/07/23 10:03	1

Lab Sample ID: LB2 500-730627/1-F — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 731463 — **Prep Batch: 731256**

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/07/23 14:55	09/08/23 13:25	1

Method: 7.3.4 - Reactive Sulfide

Lab Sample ID: MB 500-730381/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 730500 — **Prep Batch: 730381**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	3.9	mg/Kg		08/31/23 13:30	09/01/23 08:16	1

Lab Sample ID: LCS 500-730381/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 730500 — **Prep Batch: 730381**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	198	163		mg/Kg		82	70 - 130

Lab Sample ID: 500-238733-1 MS — **Client Sample ID: WP-A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 730500 — **Prep Batch: 730381**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	<47	F1	193	<49	F1	mg/Kg		0	70 - 130

Lab Sample ID: 500-238733-1 MSD — **Client Sample ID: WP-A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 730500 — **Prep Batch: 730381**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	<47	F1	197	<50	F1	mg/Kg		0	70 - 130	NC	30

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-398556/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 398780 — **Prep Batch: 398556**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.99		0.99	0.33	mg/Kg		09/05/23 08:34	09/06/23 18:45	1

Lab Sample ID: LCS 310-398556/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 398780 — **Prep Batch: 398556**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	9.69	9.17		mg/Kg		95	90 - 110

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 500-731906/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 732040 — **Prep Batch: 731906**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	<0.50		0.50	0.41	mg/Kg		09/12/23 12:16	09/12/23 17:23	1

Method: 9066 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 500-731906/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 732040 — **Prep Batch: 731906**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenolics, Total Recoverable			10.0	9.64		mg/Kg		96	80 - 120		

Lab Sample ID: 500-238733-1 MS — **Client Sample ID: WP-A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 732040 — **Prep Batch: 731906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenolics, Total Recoverable	0.93		10.4	8.94		mg/Kg	☼	77	75 - 125		

Lab Sample ID: 500-238733-1 MSD — **Client Sample ID: WP-A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 732040 — **Prep Batch: 731906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenolics, Total Recoverable	0.93		11.0	10.1		mg/Kg	☼	84	75 - 125	12	20

Lab Chronicle

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A1

Date Collected: 08/24/23 13:51
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			730830	LM	EET CHI	09/05/23 11:55
TCLP	Analysis	8260D		20	730886	W1T	EET CHI	09/06/23 12:25
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731026	DAK	EET CHI	09/06/23 12:08
TCLP	Analysis	8270E		5	731129	JSB	EET CHI	09/07/23 16:33
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731141	KL	EET CHI	09/07/23 08:12
TCLP	Analysis	8081B		1	731377	SB	EET CHI	09/08/23 14:18
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	8151A			731053	DAK	EET CHI	09/06/23 15:49
TCLP	Analysis	8151A		1	731397	GLR	EET CHI	09/08/23 15:28
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731386	JAB	EET CHI	09/07/23 16:52
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731192	JAB	EET CHI	09/06/23 23:25
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	7470A			730955	MJG	EET CHI	09/06/23 09:20 - 09/06/23 11:20 [1]
TCLP	Analysis	7470A		1	731203	MJG	EET CHI	09/07/23 10:09
Total/NA	Prep	7.3.4			730381	TR	EET CHI	08/31/23 13:30 - 08/31/23 14:00 [1]
Total/NA	Analysis	7.3.4		1	730500	DM	EET CHI	09/01/23 08:16
Total/NA	Analysis	9045D		1	730044	SO	EET CHI	08/30/23 14:07 - 08/30/23 14:22 [1]
Total/NA	Analysis	9095B		1	731175	SO	EET CHI	09/07/23 09:09 - 09/07/23 09:14 [1]
Total/NA	Analysis	D92		1	730699	CLB	EET CHI	09/05/23 02:45 - 09/05/23 03:00 [1]
Total/NA	Analysis	Moisture		1	730568	LWN	EET CHI	09/01/23 10:33

Client Sample ID: WP-A1

Date Collected: 08/24/23 13:51
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-1

Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			730496	TS	EET CHI	09/01/23 07:45 - 09/01/23 15:59 [1]
Total/NA	Analysis	8082A		100	731144	SS	EET CHI	09/07/23 09:26
Total/NA	Prep	9012B			398556	ENB7	EET CF	09/05/23 08:34
Total/NA	Analysis	9012B		1	398780	ZJX4	EET CF	09/06/23 18:49
Total/NA	Prep	Distill/Phenol			731906	MM	EET CHI	09/12/23 12:16 - 09/12/23 13:16 [1]
Total/NA	Analysis	9066		1	732040	MM	EET CHI	09/12/23 17:25

Lab Chronicle

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B1

Date Collected: 08/24/23 13:55
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			730830	LM	EET CHI	09/05/23 11:55
TCLP	Analysis	8260D		20	730886	W1T	EET CHI	09/06/23 12:48
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731026	DAK	EET CHI	09/06/23 12:08
TCLP	Analysis	8270E		5	731129	JSB	EET CHI	09/07/23 16:58
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731141	KL	EET CHI	09/07/23 08:12
TCLP	Analysis	8081B		1	731377	SB	EET CHI	09/08/23 14:30
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	8151A			731053	DAK	EET CHI	09/06/23 15:49
TCLP	Analysis	8151A		1	731397	GLR	EET CHI	09/08/23 15:47
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731386	JAB	EET CHI	09/07/23 16:45
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731192	JAB	EET CHI	09/06/23 23:17
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	7470A			731256	MJG	EET CHI	09/07/23 14:55 - 09/07/23 16:55 [1]
TCLP	Analysis	7470A		1	731463	MJG	EET CHI	09/08/23 13:29
Total/NA	Prep	7.3.4			730381	TR	EET CHI	08/31/23 13:30 - 08/31/23 14:00 [1]
Total/NA	Analysis	7.3.4		1	730500	DM	EET CHI	09/01/23 08:16
Total/NA	Analysis	9045D		1	730385	SO	EET CHI	08/31/23 15:11 - 08/31/23 15:15 [1]
Total/NA	Analysis	9095B		1	731175	SO	EET CHI	09/07/23 09:16 - 09/07/23 09:21 [1]
Total/NA	Analysis	D92		1	730699	CLB	EET CHI	09/05/23 03:00 - 09/05/23 03:15 [1]
Total/NA	Analysis	Moisture		1	730568	LWN	EET CHI	09/01/23 10:33

Client Sample ID: WP-B1

Date Collected: 08/24/23 13:55
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-2

Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			730496	TS	EET CHI	09/01/23 07:45 - 09/01/23 15:59 [1]
Total/NA	Analysis	8082A		20	731011	SB	EET CHI	09/06/23 13:13
Total/NA	Prep	9012B			398556	ENB7	EET CF	09/05/23 08:34
Total/NA	Analysis	9012B		1	398780	ZJX4	EET CF	09/06/23 18:50
Total/NA	Prep	Distill/Phenol			731906	MM	EET CHI	09/12/23 12:16 - 09/12/23 13:16 [1]
Total/NA	Analysis	9066		1	732040	MM	EET CHI	09/12/23 17:26

Lab Chronicle

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-A2

Date Collected: 08/24/23 13:58
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			730830	LM	EET CHI	09/05/23 11:55
TCLP	Analysis	8260D		20	730886	W1T	EET CHI	09/06/23 13:47
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731026	DAK	EET CHI	09/06/23 12:08
TCLP	Analysis	8270E		5	731129	JSB	EET CHI	09/07/23 17:22
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731141	KL	EET CHI	09/07/23 08:12
TCLP	Analysis	8081B		1	731377	SB	EET CHI	09/08/23 14:41
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	8151A			731053	DAK	EET CHI	09/06/23 15:49
TCLP	Analysis	8151A		1	731397	GLR	EET CHI	09/08/23 16:05
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731386	JAB	EET CHI	09/07/23 16:56
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731192	JAB	EET CHI	09/06/23 23:35
TCLP	Leach	1311			730626	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	7470A			730955	MJG	EET CHI	09/06/23 09:20 - 09/06/23 11:20 [1]
TCLP	Analysis	7470A		1	731203	MJG	EET CHI	09/07/23 10:11
Total/NA	Prep	7.3.4			730381	TR	EET CHI	08/31/23 13:30 - 08/31/23 14:00 [1]
Total/NA	Analysis	7.3.4		1	730500	DM	EET CHI	09/01/23 08:16
Total/NA	Analysis	9045D		1	730044	SO	EET CHI	08/30/23 14:36 - 08/30/23 14:51 [1]
Total/NA	Analysis	9095B		1	731175	SO	EET CHI	09/07/23 09:22 - 09/07/23 09:27 [1]
Total/NA	Analysis	D92		1	730699	CLB	EET CHI	09/05/23 03:15 - 09/05/23 03:30 [1]
Total/NA	Analysis	Moisture		1	730568	LWN	EET CHI	09/01/23 10:33

Client Sample ID: WP-A2

Date Collected: 08/24/23 13:58
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-3

Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			730496	TS	EET CHI	09/01/23 07:45 - 09/01/23 15:59 [1]
Total/NA	Analysis	8082A		1	730748	SB	EET CHI	09/05/23 15:25
Total/NA	Prep	9012B			398556	ENB7	EET CF	09/05/23 08:34
Total/NA	Analysis	9012B		1	398780	ZJX4	EET CF	09/06/23 18:53
Total/NA	Prep	Distill/Phenol			731906	MM	EET CHI	09/12/23 12:16 - 09/12/23 13:16 [1]
Total/NA	Analysis	9066		1	732040	MM	EET CHI	09/12/23 17:27

Lab Chronicle

Client: Deigan & Associates LLC
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Job ID: 500-238733-1

Client Sample ID: WP-B2

Date Collected: 08/24/23 14:05
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			730830	LM	EET CHI	09/05/23 11:55
TCLP	Analysis	8260D		20	730886	W1T	EET CHI	09/06/23 14:11
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731026	DAK	EET CHI	09/06/23 12:08
TCLP	Analysis	8270E		5	731129	JSB	EET CHI	09/07/23 17:46
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3510C			731141	KL	EET CHI	09/07/23 08:12
TCLP	Analysis	8081B		1	731377	SB	EET CHI	09/08/23 14:53
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	8151A			731053	DAK	EET CHI	09/06/23 15:49
TCLP	Analysis	8151A		1	731397	GLR	EET CHI	09/08/23 16:23
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731386	JAB	EET CHI	09/07/23 16:49
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	3010A			730983	BDE	EET CHI	09/06/23 09:27 - 09/06/23 09:57 [1]
TCLP	Analysis	6010D		1	731192	JAB	EET CHI	09/06/23 23:21
TCLP	Leach	1311			730627	SS	EET CHI	09/01/23 15:07 - 09/02/23 09:07 [1]
TCLP	Prep	7470A			731256	MJG	EET CHI	09/07/23 14:55 - 09/07/23 16:55 [1]
TCLP	Analysis	7470A		1	731463	MJG	EET CHI	09/08/23 13:31
Total/NA	Prep	7.3.4			730381	TR	EET CHI	08/31/23 13:30 - 08/31/23 14:00 [1]
Total/NA	Analysis	7.3.4		1	730500	DM	EET CHI	09/01/23 08:16
Total/NA	Analysis	9045D		1	730385	SO	EET CHI	08/31/23 15:15 - 08/31/23 15:19 [1]
Total/NA	Analysis	9095B		1	731175	SO	EET CHI	09/07/23 09:28 - 09/07/23 09:33 [1]
Total/NA	Analysis	D92		1	731087	CLB	EET CHI	09/07/23 00:00 - 09/07/23 00:15 [1]
Total/NA	Analysis	Moisture		1	730568	LWN	EET CHI	09/01/23 10:33

Client Sample ID: WP-B2

Date Collected: 08/24/23 14:05
Date Received: 08/25/23 09:50

Lab Sample ID: 500-238733-4

Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3541			730496	TS	EET CHI	09/01/23 07:45 - 09/01/23 15:59 [1]
Total/NA	Analysis	8082A		1	730748	SB	EET CHI	09/05/23 15:41
Total/NA	Prep	9012B			398556	ENB7	EET CF	09/05/23 08:34
Total/NA	Analysis	9012B		1	398780	ZJX4	EET CF	09/06/23 18:53
Total/NA	Prep	Distill/Phenol			731906	MM	EET CHI	09/12/23 12:16 - 09/12/23 13:16 [1]
Total/NA	Analysis	9066		1	732040	MM	EET CHI	09/12/23 17:28

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

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Deigan & Associates LLC
Job ID: 500-238733-1
Project/Site: N. Chicago - Sheridan Crossings (21-016)

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-24

Laboratory: Eurofins Cedar Falls

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-23
Georgia	State	IA100001 (OR)	09-29-23
Illinois	NELAP	200024	11-29-23
Iowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-23
Oregon	NELAP	IA100001	09-29-23

Chain of Custody Record

546936

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Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact		Project Manager: G. Deigan	Site Contact	Date	COC No
Company Name	Deigan + Associates	Tel/Email	Lab Contact: Jim Kraft	Carrier	____ of ____ COCs
Address		Analysis Turnaround Time			Sampler: B. Peter / G. Deigan
City State/Zip	Lake Bluff, IL	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only
Phone	847-578-5200	TAT if different from Below _____		500-238733 COC	Walk-in Client
Fax		☐ 2 weeks			Lab Sampling
Project Name	N. Chicago	☐ 1 week — 10 day			
Site	Sheridan Crossings	☐ 2 days			Job / SDG No.
PO #	21-016	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Waste Characterization	West Antioch GFL	Zion Landfill	Sample Specific Notes
1	WP-A1	8/24/23	1351	C	S	2			X	X		untreated
2	WP-B1		1355	C	S	2			X	X		treated
3	WP-A2		1358	C	S	2			X	X		untreated
4	WP-B2		1405	C	S	2			X	X		treated

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Treatability

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd. 0.3 Corr'd -0.8 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Bryan Peter	Deigan	8/24/23 1600	FedEx		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Kraft	EETA	8/25/23 0950

Chain of Custody Record

546936

eurofins

Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact		Project Manager: G. Deigan	Site Contact	Date	COC No
Company Name	Deigan + Associates	Tel/Email	Lab Contact: Jim Kraft	Carrier	____ of ____ COCs
Address		Analysis Turnaround Time			Sampler: B. Peter / G. Deigan
City State/Zip	Lake Bluff, IL	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only
Phone	847-578-5200	TAT if different from Below _____		500-238733 COC	Walk-in Client
Fax		☐ 2 weeks			Lab Sampling
Project Name	N. Chicago	☐ 1 week — 10 day			
Site	Sheridan Crossings	☐ 2 days			Job / SDG No.
PO #	21-016	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Waste Characterization	West Pointe GFL	Zion Landfill	Sample Specific Notes
1	WP-A1	8/24/23	1351	C	S	2			X	X		untreated
2	WP-B1		1355	C	S	2			X	X		treated
3	WP-A2		1358	C	S	2			X	X		untreated
4	WP-B2		1405	C	S	2			X	X		treated

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Treatability

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd. 0.3 Corr'd -0.8 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Bryan Peter	Deigan	8/24/23 1600	Felix		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Kraft	EETA	8/25/23 0950

ORIGIN ID FEPA (847) 578-5000
GARY DEIGAN
DEIGAN & ASSOCIATES LLC
28835 N HERKY DR
STE 120
LAKE BLUFF IL 60044
UNITED STATES US

SHIP DATE. 24AUG23
ACTWGT 10 00 LB
CAD 103324011/INET4535

BILL SENDER

TO **SAMPLE RECEIVING**
TESTAMERICA
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-5200 REF
INV:
PO: 21-016 DEPT.

583J5/7584/9AE3

FedEx Express

J23312307259 1uv

FRI - 25 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7731 6146 5317**

79 JOTA

60484
IL-US ORD

28qt

500-238733 Waybi

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
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ORIGIN ID FEPA (847) 578-5000
GARY DEIGAN
DEIGAN & ASSOCIATES LLC
28835 N HERKY DR
STE 120
LAKE BLUFF IL 60044
UNITED STATES US

SHIP DATE. 24AUG23
ACTWGT 10 00 LB
CAD 103324011/INET4535

BILL SENDER

TO **SAMPLE RECEIVING**
TESTAMERICA
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-5200 REF
INV:
PO: 21-016 DEPT.

583J5/7584/9AE3

FedEx Express

J23312307259 1uv

FRI - 25 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7731 6146 5317**

79 JOTA

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1 Fold the printed page along the horizontal line
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex com FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim Limitations found in the current FedEx Service Guide apply Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value Recovery cannot exceed actual documented loss Maximum for items of extraordinary value is $1,000, e g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide Written claims must be filed within strict time limits, see current FedEx Service Guide

eurofins | Environment Testing America

500-238733 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Chicago

City/State: CITY | STATE IL | Project:

Receipt Information

Date/Time Received: DATE 9-1-23 | TIME 1000 | Received By: MC

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): — | Corrected Temp (°C): —

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	250 mL plastic	
Uncorrected Temp (°C):	1.9	
Corrected Temp (°C):	1.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

500-238733 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Chicago

City/State: CITY | STATE IL | Project:

Receipt Information

Date/Time Received: DATE 9-1-23 | TIME 1000 | Received By: MC

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): — | Corrected Temp (°C): —

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	250 mL plastic	
Uncorrected Temp (°C):	1.9	
Corrected Temp (°C):	1.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Knapp, Jim D	Carrier Tracking No(s):	COC No: 500-178513 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jim Knapp@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-238733-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/11/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: N Chicago - Sheridan Crossings (21-016)	Project #: 50006440			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B/9012B_Prep Total Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WP-A1 (500-238733-1)	8/24/23	13.51 Central		Solid			X	1	
WP-B1 (500-238733-2)	8/24/23	13.55 Central		Solid			X	1	
WP-A2 (500-238733-3)	8/24/23	13.58 Central		Solid			X	1	
WP-B2 (500-238733-4)	8/24/23	14 05 Central		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shus Scott	8/31/23 1600		MC	9-1-23 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Knapp, Jim D	Carrier Tracking No(s):	COC No: 500-178513 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jim Knapp@et.eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-238733-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/11/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: N Chicago - Sheridan Crossings (21-016)	Project #: 50006440			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B/9012B_Prep Total Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WP-A1 (500-238733-1)	8/24/23	13.51 Central		Solid			X	1	
WP-B1 (500-238733-2)	8/24/23	13.55 Central		Solid			X	1	
WP-A2 (500-238733-3)	8/24/23	13.58 Central		Solid			X	1	
WP-B2 (500-238733-4)	8/24/23	14 05 Central		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by: [signature]	Date/Time: 8/31/23 1600	Company	Received by: MC	Date/Time: 9-1-23 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Deigan & Associates LLC

Job Number: 500-238733-1

Login Number: 238733
List Number: 1
Creator: Schmidt, Kara

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Deigan & Associates LLC

Job Number: 500-238733-1

Login Number: 238733
List Number: 2
Creator: Costello, Mackenzie K

List Source: Eurofins Cedar Falls
List Creation: 09/01/23 10:53 AM

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

the deigan group
environmental managers/consultants

Customer	**Deigan & Associates LLC**
Project	**2nd Sheridan Crossing Treatability**
Sample Date	**2/9/2024**
Lab Name	**Eurofins Chicago**
Job Number	**500-246032-1**

Analytical Results for TCLP-SPLP Samples

		* Exposure Routes for Specific SROs				Sample ID		
						pH		
		Ingestion	Inhalation	Class I	Class II	CS-1-No FF 200	CS-2+2% FF 200	CS-3+3% FF 200
Method	**Analyte**	mg/L	mg/L	mg/L	mg/L	7.21	11.91	11.99
6010D TCLP	Lead	NRO	NRO	0.0075	0.1	**19**	**9.0**	**2.8**

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table F.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
NRO = (No Remediation Objective) was provided in tables.
NRO/NRO indicates that pH analysis was not requested and the values for Class I and Class II can not be provided.
Additional analytes may have been requested but are not contained in the
TACO Tier 1 tables and are not evaluated.
Estimated results that are between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gary Deigan
Deigan & Associates LLC
28835 N. Herky Drive
Unit 120
Lake Bluff, Illinois 60044

Generated 2/27/2024 2:36:25 PM

JOB DESCRIPTION

2nd Sheridan Crossing Treatability

JOB NUMBER

500-246032-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

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

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

Authorization

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

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Job ID: 500-246032-1 Eurofins Chicago

Job Narrative
500-246032-1

Receipt
The samples were received on 2/10/2024 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2º C.

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

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

Detection Summary

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Client Sample ID: CS-1-No FF 200 — Lab Sample ID: 500-246032-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	19		0.050	0.0075	mg/L	1		6010D	TCLP
pH	7.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: CS-2+2% FF 200 — Lab Sample ID: 500-246032-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.0		0.050	0.0075	mg/L	1		6010D	TCLP
pH	11.9		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: CS-3+3% FF 200 — Lab Sample ID: 500-246032-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.8		0.25	0.038	mg/L	5		6010D	TCLP
pH	12.0		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CHI
9045D	pH	SW846	EET CHI
1311	TCLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246032-1	CS-1-No FF 200	Solid	02/09/24 12:00	02/10/24 09:15
500-246032-2	CS-2+2% FF 200	Solid	02/09/24 12:30	02/10/24 09:15
500-246032-3	CS-3+3% FF 200	Solid	02/09/24 12:00	02/10/24 09:15

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Client Sample ID: CS-1-No FF 200

Lab Sample ID: 500-246032-1

Date Collected: 02/09/24 12:00
Date Received: 02/10/24 09:15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		0.050	0.0075	mg/L		02/22/24 15:17	02/23/24 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.2	0.2	SU			02/15/24 16:32	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Client Sample ID: CS-2+2% FF 200

Lab Sample ID: 500-246032-2

Date Collected: 02/09/24 12:30
Matrix: Solid
Date Received: 02/10/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0		0.050	0.0075	mg/L		02/22/24 15:17	02/23/24 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.9		0.2	0.2	SU			02/15/24 16:35	1

Client Sample Results

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Client Sample ID: CS-3+3% FF 200

Lab Sample ID: 500-246032-3

Date Collected: 02/09/24 12:00
Matrix: Solid
Date Received: 02/10/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.8		0.25	0.038	mg/L		02/22/24 15:17	02/26/24 17:17	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	12.0		0.2	0.2	SU			02/15/24 16:37	1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Metals

Leach Batch: 755089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246032-1	CS-1-No FF 200	TCLP	Solid	1311	
500-246032-2	CS-2+2% FF 200	TCLP	Solid	1311	
500-246032-3	CS-3+3% FF 200	TCLP	Solid	1311	
LB 500-755089/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 755282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246032-1	CS-1-No FF 200	TCLP	Solid	3010A	755089
500-246032-2	CS-2+2% FF 200	TCLP	Solid	3010A	755089
500-246032-3	CS-3+3% FF 200	TCLP	Solid	3010A	755089
LB 500-755089/1-B	Method Blank	TCLP	Solid	3010A	755089
LCS 500-755282/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 755634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246032-1	CS-1-No FF 200	TCLP	Solid	6010D	755282
500-246032-2	CS-2+2% FF 200	TCLP	Solid	6010D	755282
LB 500-755089/1-B	Method Blank	TCLP	Solid	6010D	755282
LCS 500-755282/2-A	Lab Control Sample	Total/NA	Solid	6010D	755282

Analysis Batch: 755818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246032-3	CS-3+3% FF 200	TCLP	Solid	6010D	755282

General Chemistry

Analysis Batch: 754351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246032-1	CS-1-No FF 200	Total/NA	Solid	9045D	
500-246032-2	CS-2+2% FF 200	Total/NA	Solid	9045D	
500-246032-3	CS-3+3% FF 200	Total/NA	Solid	9045D	
LCS 500-754351/2	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-754351/3	Lab Control Sample Dup	Total/NA	Solid	9045D	

QC Sample Results

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 500-755282/2-A
Matrix: Solid
Analysis Batch: 755634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755282

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			0.100	0.0961		mg/L		96	80 - 120		

Lab Sample ID: LB 500-755089/1-B
Matrix: Solid
Analysis Batch: 755634

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 755282

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.050		0.050	0.0075	mg/L		02/22/24 15:17	02/23/24 14:47	1

Lab Chronicle

Client: Deigan & Associates LLC
Project/Site: 2nd Sheridan Crossing Treatability

Job ID: 500-246032-1

Client Sample ID: CS-1-No FF 200

Lab Sample ID: 500-246032-1
Date Collected: 02/09/24 12:00
Matrix: Solid
Date Received: 02/10/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			755089		EET CHI	02/21/24 16:25 - 02/22/24 08:45 [1]
TCLP	Prep	3010A			755282	MC	EET CHI	02/22/24 15:17 - 02/22/24 21:17 [1]
TCLP	Analysis	6010D		1	755634	SJ	EET CHI	02/23/24 15:08
Total/NA	Analysis	9045D		1	754351	SO	EET CHI	02/15/24 16:32

Client Sample ID: CS-2+2% FF 200

Lab Sample ID: 500-246032-2
Date Collected: 02/09/24 12:30
Matrix: Solid
Date Received: 02/10/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			755089		EET CHI	02/21/24 16:25 - 02/22/24 08:45 [1]
TCLP	Prep	3010A			755282	MC	EET CHI	02/22/24 15:17 - 02/22/24 21:17 [1]
TCLP	Analysis	6010D		1	755634	SJ	EET CHI	02/23/24 15:13
Total/NA	Analysis	9045D		1	754351	SO	EET CHI	02/15/24 16:35

Client Sample ID: CS-3+3% FF 200

Lab Sample ID: 500-246032-3
Date Collected: 02/09/24 12:00
Matrix: Solid
Date Received: 02/10/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			755089		EET CHI	02/21/24 16:25 - 02/22/24 08:45 [1]
TCLP	Prep	3010A			755282	MC	EET CHI	02/22/24 15:17 - 02/22/24 21:17 [1]
TCLP	Analysis	6010D		5	755818	SJ	EET CHI	02/26/24 17:17
Total/NA	Analysis	9045D		1	754351	SO	EET CHI	02/15/24 16:37

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

Laboratory References:

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

Accreditation/Certification Summary

Client: Deigan & Associates LLC
Job ID: 500-246032-1
Project/Site: 2nd Sheridan Crossing Treatability

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-24

Chain of Custody Record

541146

eurofins | Environment Testing TestAmerica

Address UNIVERSITY PARK

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: KNAPP	Site Contact: GARY DEIGAN	Date: 2/9/24	COC No
Company Name DEIGAN GROUT	Tel/Email:	Lab Contact:	Carrier:	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below ____			Walk-in Client
Fax	☒ 2 weeks			Lab Sampling
Project Name 2028 SHERIDAN	☐ 1 week			
Site NORTH CHICAGO	☐ 2 days			Job / SDG No
PO # 21-016	☐ 1 day			500-246032

500-246032 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCLP Pb	pH	Sample Specific Notes
	2ND SHERIDAN CROSSING TREATABILITY										
1	CS-1 - NO FF 200	2/9/24	12pm	G					X	X	
2	CS-2 + 2% FF 200	2/9/24	12:30pm	G					X	X	
3	CS-3 + 3% FF 200	2/9/24	12pm	G					X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

SATURDAY DELIVERY

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.9 Corr'd 4.2 | Therm ID No ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	DEIGAN	2/9/24	Fed Ex		2/9/24
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	2/10/24 0915

Login Sample Receipt Checklist

Client: Deigan & Associates LLC

Job Number: 500-246032-1

Login Number: 246032
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

the deigan group
environmental managers/consultants
28835 N Herky Dr. Unit 120
Lake Bluff, Illinois 60044

April 9, 2025

Mr. John Roop, P.E.
Environmental Protection Engineer IV
Illinois Environmental Protection Agency
Bureau of Land/Permits Section/RCRA Unit
2520 West Iles Avenue
Springfield, IL. 62704

RE: 0971250007—Lake County
North Chicago
ILD097271563
Log No. C-656-M-26
Final Design Report
Former Lavin Property, 2028 Sheridan Road, Sheridan Crossing Development

Dear Mr. Roop:

Please find in this submittal a Final Design Report for the Former Lavin Property. The Final Design Report provides information to address each comment from the previous IEPA Review Letters.

Please let me know if there is any additional information required by contacting me via email: bpeter@deiganassociates.com We look forward to continuing working together to achieve approval to move forward with this project.

Sincerely,
the deigan group

Bryan L. Peter
Project Manager

cc:
Honorable Mayor Rockingham
Greg Jackson, City Chief of Staff

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

RCRA INTERIM STATUS CLOSURE AND POST-CLOSURE CARE PLANS GENERAL FORM

LPC-PA18

This Form Must Accompany Any Rcra Interim-status Closure And/or Post-closure Care Plans Or Modification Request Submitted To The Division Of Land Pollution Control. The Original And Two Copies Of All Documents Submitted Must Be Provided.

FACILITY IDENTIFICATION (Information about the facility where the units are located which are addressed in this closure plan submittal)

Name: City of North Chicago (fka Lavin & Sons)

Street Address: 2028 Sheridan Road

City: North Chicago

County: Lake

Site # (IEPA): ILD0971250007

Site No. (USEPA): ILN000508448

Owner Information

Name: City of North Chicago

Mailing Address:
1850 Lewis Avenue
North Chicago, IL 60004

Contact Name: Mayor Leon Rockingham, Jr.

Contact Title: Mayor of North Chicago

Phone #: 847-596-8610

Operator Information

Name: City of North Chicago

Mailing Address:
1850 Lewis Avenue
North Chicago, IL 60004

Contact Name: Mayor Leon Rockingham, Jr.

Contact Title: Mayor or North Chicago

Phone #: 847-596-8610

TYPE OF SUBMISSION (check applicable item and provide requested information, as applicable)

- ☐ Original (New) Closure Plan
- ☐ Original (New) Post-Closure Plan
- ☐ Response to Disapproval letter

  Log No. of Most Recent Agency Approval/Disapproval Letter _____

  Date of Most Recent Agency Approval/Disapproval Letter _____
- ☐ Modification Request
- ☑ Additional Information for 3/1/2023 (enter date) Submittal (Log No. C-656-M-26 if known)

Does this submittal contain groundwater information?

Yes

XXX

No

(IF YES, PLEASE INCLUDE ONE ADDITIONAL COPY OF SUBMITTAL)

IL 532-2106
LPC 464
Rev. 06/03

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

DESCRIPTION OF SUBMITTAL: (briefly describe what is being submitted)

Final Design Report for Sheridan Crossing Development

LIST OF DOCUMENTS SUBMITTED: (identify all documents in this submittal, including the cover letter)

Final Design Report

UNITS UNDERGOING CLOSURE (please identify what type of units are addressed in the plan, their capacities and whether they are on the RCRA Part A for the facility)

Unit	Unit Code	Number of Units Closing	Capacity	On Part A Y/N
Storage:				
Container (barrel, drum, etc.)	S01			
Tank	S02			
Waste Pile	S03			
Surface Impoundment	S04			
Treatment:				
Tank	T01			
Surface Impoundment	T02			
Incinerator	T03			
Other (explain)	T04			
Disposal:				
Landfill	D80	1		Y
Land Application	D81			
Surface Impoundment	D83			

CERTIFICATION AND SIGNATURE (Must be completed for all submittals. Certification and signature requirements are set forth in 35 IAC 702.126. Any submittal involving engineering plans, specifications and calculations as defined in the Illinois Professional Engineering Practice Act (225 ILCS 325) and 68 Ill. Adm. Code 1380 must be signed and certified by an Illinois licensed professional engineer.)

All closure plans, post-closure plans and modifications must be signed by the person representing the owner/ operator designated below or by a duly authorized representative of that person:

1. If the owner/operator is a Corporation - By a principal executive officer of at least the level of vice-president.
2. If the owner/operator is a Partnership or Sole Proprietorship - By a general partner or the proprietor, respectively.
3. If the owner/operator is a Government - By either a principal executive officer or a ranking elected official.

A person is a duly authorized representative only if:

1. the authorization is made in writing by a person described above; and
2. is submitted with this application (a copy of a previously submitted authorization can be used).

CERTIFICATION STATEMENT - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Owner Signature _____ Date _____

Title Mayor, City of North Chicago

Operator Signature _____ Date _____

Title Mayor, City of North Chicago

Engineer Signature James Michael Burton, PE Date 4/9/2025
(if necessary)

Engineer Name James Burton, P.E.

Engineer Address Deigan & Associates, PLLC
28835 N. Herky Drive, Unit 120
Lake Bluff, IL. 60044

Engineer Phone # 847-404-9356

Engineer Seal

JAMES MICHAEL BURTON
062-043086
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

James Michael Burton, PE
4/9/2025

JM:bjh\97763i.doc

CERTIFICATION STATEMENT - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Owner Signature Leon Rodriguez Date 4/4/2025

Title Mayor, City of North Chicago

Operator Signature Leon Rodriguez Date 4/4/2025

Title Mayor, City of North Chicago

Engineer Signature _____ Date _____
(if necessary)

Engineer Name James Burton, P.E.

Engineer Seal

Engineer Address Deigan & Associates, PLLC
28835 N. Herky Drive, Unit 120
Lake Bluff, IL. 60044

Engineer Phone # 847-404-9356

JM:bjh\97763i.doc

North Chicago/Sheridan Crossing
Former Lavin Property
RCRA Final Design Report

Facility Idenification:
City of North Chicago, Former Lavin Property
2028 Sheridan Road
North Chicago
Lake County
Site # (IEPA): ILD0971250007
Site No. (USEPA): ILN000508448
Log No. C-656-M-26

Prepared for:
Illinois Environmental Protection Agency
REV: 0
April 2, 2025

State of Illinois
Department of Financial and Professional Regulation
Division of Professional Regulation
LICENSE NO.
184.007842-0002
1902.050835
EXPIRES
04/30/2027
DESIGN FIRM - PROFESSIONAL ENGINEERING
DEIGAN & ASSOCIATES, LLC
28835 N HERKY DR STE 120
LAKE BLUFF, IL 60044-1465
MARIO TRETO, JR.
SECRETARY
CAMILO LINDSAY
DIRECTOR
The official status of this license can be verified at IDFPR.Illinois.gov
2010/0002

Prepared by:

the deigan group
environmental managers/consultants
28835 N. Herky Dr. Unit 120
Lake Bluff, IL 60044
www.deiganassociates.com

Contents

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1.0 Purpose, Objective, Background

The City of North Chicago (City) took ownership of the former R. Lavin & Sons, North Chicago Refiners (Lavin) property in May 2006 after bankruptcy filings by Lavin. During years of Lavin operations, the plant operated prior to environmental regulations and standards. Once regulations were promulgated, the Lavin facility had repeated and numerous periods of non-compliance with environmental regulations. Although not a traditional landfill, the site-wide deposition of foundry sands, slags, and smelter residues having characteristics as a hazardous waste for lead (Pb) toxicity content, resulted in the property's designation as an interim status RCRA landfill. Lavin chose the most economical means of closure allowed under RCRA under Illinois EPA approval:

- Rather than removing or treating the hazardous waste, Lavin closed the site as a RCRA hazardous waste landfill by placing asphalt and/or concrete cover across the layer of foundry residues buried across the site nearly from property line to property line.

Lavin's RCRA "closure" then resulted in RCRA post-closure monitoring and maintenance activities from 1992 until Lavin's Bankruptcy in May 2006, when the City of North Chicago took ownership of the orphan site. The site has remained remarkably stable since the City undertook a comprehensive program of site-wide demolition, disposal, site grading, and placement of a new RCRA soil cap with stable vegetative cover in 2006-2007. Groundwater beneath the site continues to show stability for site compounds of concern and consistently demonstrates achievement of applicable groundwater quality standards on, under, and at the perimeter of the property. The RCRA post-closure activities have been ongoing for 33 years.

Following the submittal of the RCRA Clean Closure Plan Modification included as **Appendix G**, to IEPA and their conditional approval of the plan dated March 25, 2025, Deigan, on behalf of the City of North Chicago prepared the required Final Design Report for the project.

The purpose and intent of this document is to satisfy all required conditions outlined in previous IEPA correspondence and achieve a clean RCRA closure that removes the site from RCRA post-closure care.

2.0 Applicable Regulatory Standards

2.1 Closure Performance Standard (Section 725.211)

The City of North Chicago modified closure minimizes the need for further maintenance by treating and removing hazardous waste and constituents to an off-site IEPA or WDNR-permitted Subtitle D landfill disposal facility.

- The closure controls, minimizes, or eliminates, to the extent necessary to adequately protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off or hazardous waste decomposition products to the ground or surface waters or to the atmosphere; and

- The closure complies with the closure requirements of this Part, including, but not limited to, the requirements of Sections 725.297, 725.328, 725.358, 725.380, 725.410, 725.451, 725.481, 725.504, and 725.1102.

- In order to avoid further RCRA requirements following removal of impacted soils, the City will remove all hazardous waste and manage all impacted soil from past industrial site use above the industrial/commercial remedial objectives (RO's) established for the site under the Illinois EPA Site Remediation Program (SRP).

Section 3 provides additional descriptive details of the planned treatment, removal, and permanent off-site disposal of the heavy metal, specifically, lead (Pb)-based hazardous waste layer left behind on the site by Lavin/North Chicago Smelter. An isolated PCB-impacted soil area will also be cleaned up under this plan.

3.0 Final Design Report

Results of all Sampling/Analysis Conducted for the City

- *The report must include the results of all sampling conducted for the City by the Illinois EPA's Office of Site Evaluation, and analysis of the results.*
- *A comprehensive summary of all analytical results for the complete list of analytical parameters and a discussion of any exceedances of Tier 1 remedial objectives set forth in 35 IAC Part 742 based on the appropriate future land use, must be included.*
- *Any data gaps from the assessment in the Proposed Treatment Areas 4, 5, 7, 8, 9, 10, and 12 must be identified.*
- *All sampling results provided by the Illinois EPA's Office of Site Evaluation and discussions of such results. A comprehensive summary of all analytical results for the complete list of analytical parameters, not just for lead, and a discussion of any exceedances based on the Tier I remedial objectives set forth in 35 IAC Part 742 for the appropriate future land use must be included. Any missing data from the assessment in the Proposed Treatment Areas must be identified.*

Deigan and Associates conducted a total of six (6) soil borings and collected one (1) soil sample from each boring for lab analysis on 4/25/2022. Each sample was sent to Eurofins Chicago Lab for TCLP, Lead analysis. The Illinois Targeted Brownfield Assessment (TBA) group conducted two (2) stages of investigations on the site. Stage I was performed September 27 and 28, 2022, and Stage II was performed August 21 to 22 and September 11 through 13, 2023. A total of ninety-seven (97) soil borings were conducted and four hundred and seventeen (417) soil samples were collected for laboratory analysis. Two hundred and five (205) soil samples were analyzed for TCLP Metals. One hundred and thirty-eight (138) soil samples were collected for the full Appendix A TCL. The remaining seventy-four (74) soil samples were collected for selected COCs of VOCs or metals and VOCs. The results of the Deigan investigation and the Illinois TBA investigations are summarized in Master Tables included as **Appendix A & B.** Following review of all data collected at the site from April 2022 through September 2023, there are no data gaps that would prevent this project from proceeding with rebidding and breaking ground in 2025.

Physical Perimeter Erosion, Wind Dust Control, Preventative Measures

- *The report must describe physical perimeter erosion and wind dust control, and preventive measures installed for strong wind and/or heavy rain/storm events.*
- *It must also include a detailed description of dust management and monitoring during removal of the final cover, in-situ treatment, and post-treatment of soil excavation.*
- *Measures to prevent the on-site workers from exposure and potential off-site migration must be provided.*
- *A contingency plan for any potential releases of contamination from the site is required.*
- *A detailed plan for dust management and monitoring during removal of the final cover, in-situ treatment, and post-treatment of soil excavation. The plan must describe what type of physical perimeter erosion and wind dust control and preventive measures are installed for strong wind and/or heavy rain/storm events and must include a contingency plan for any potential releases of contamination from the site.*

Erosion Controls
The following erosion and sediment controls will be utilized as shown on **Figure 200** and as described below:

Stabilized construction entrance/exit
A construction entrance/exit will be installed with CA-1 established in the northeast area of the site. To minimize tracking out of solids, this area will be maintained by sweeping or shoveling to avoid off-site discharge of solids.

Silt Fence
A silt fence will be constructed along the western property boundary to ensure no solids discharge from the site into the drainage swale west of the site.

Erosion Eel
Erosion eels will be placed on the western property boundary between the landfill area and the USEPA Fansteel site to prevent the discharge of water off-site.

Frac Tank
A frac tank will be placed on-site for storage of contact stormwater during dewatering. The use of the frac tank and water management is further described in the stormwater management section.

Dust Management
Dust management during this project will consist of the following data collection activities: meteorological monitoring and field dust monitoring. These activities will be conducted during outdoor site work in order to ensure the health and safety of on-site workers and the surrounding public and adjoining properties.

Meteorological monitoring will be conducted using on-site windsocks. Two windsocks will be strategically placed upgradient and downgradient of winds to determine proper usage of dust suppression activities. If sustained winds exceed 25 mph then additional dust management activities will be implemented and use of the treatment reagent will be stopped until the wind speed subsides.

Field dust monitoring will be conducted by the on-site environmental personnel periodically throughout the day utilizing a handheld dust monitor reporting PM10 results. Observations of emissions related to windblown dust will be recorded. If PM10 levels are detected above 150 ug/m^3, modifications to dust suppression activities will be implemented as needed.

The site is currently capped and stabilized with vegetative cover over the entirety of the RCRA landfill area. However, once site work begins there will be new sources of dust that need to be managed. These dust emitting activities and their dust control measures are listed in Table A, below.

Table A – Anticipated Dust Emitting Activities

Activity	Material	Dust Control Measure
Excavation of Soil Cap and Staging On-Site	Soil	Periodic visual inspections for emission of windblown dust. Use water trucks to apply water spray/mist to areas where drying has caused apparent windblown dust. Physical tarping or spray on containment of the staged cover soil to minimize windblown dust.
Mixing Treatment Reagent with Waste	Soil and Treatment Reagent	Periodic visual inspections for emission of windblown dust. Use water trucks to apply water spray/mist to areas where drying has caused apparent windblown dust.
Loading Treated Material into Trucks	Soil and Treatment Reagent	Periodic visual inspections for emission of windblown dust. Use water trucks to apply water spray/mist to areas where drying has caused apparent windblown dust.
Transporting Material to Landfill by Truck	Soil and Treatment Reagent	Periodic visual inspections for emission of windblown dust. Requiring trucks to be covered/tarped once they are loaded prior to leaving the site.

**Contractor will coordinate with the City of North Chicago to obtain access to a fire-hydrant to refill the water truck, as needed.*

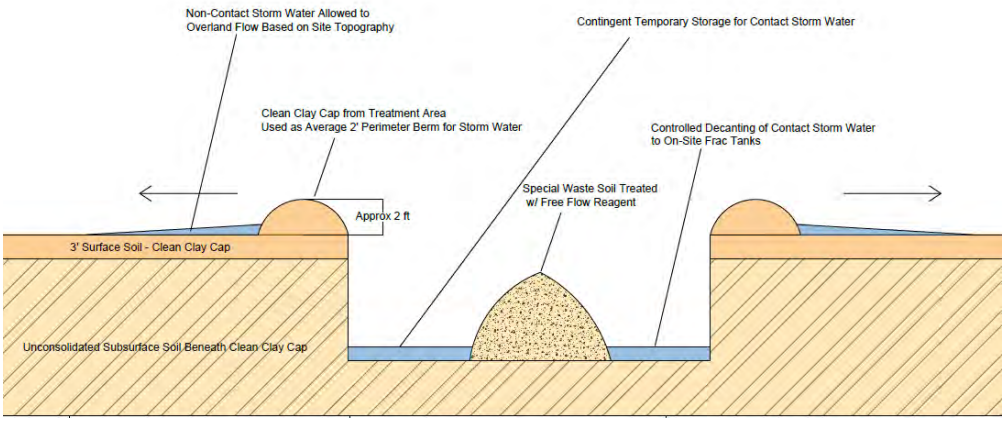
Stormwater Management

As described in the RCRA Clean Closure Plan Modification, the City will minimize contact water/leachate generation during this project by:

- Diverting/redirecting run-on from active treatment areas.
- Only opening cover soil from 2 treatment areas of untreated waste at any one time.
- Covering untreated waste piles with polyethylene during anticipated storm events.

As the 3-foot average soil cover is stripped from the treatment areas (1-12) it will be used as a run-on diversion berm (approx. 2' tall), providing containment of precipitation that falls in the treatment area and diversion of run-on from non-contact areas of the site.

Treatment Area Storm Water Management
Typical Cross Section



In the event the open excavation areas begin to accumulate standing water the following procedure will be followed by on-site contractors to maintain compliance with IEPA requirements.

- 3-inch trash pumps with suction hose and strainer will be used for controlled decanting of contact stormwater to on-site frac tanks with secondary containment tray for temporary holding.
- Once a frac tank is full, the City's environmental consultant will collect a representative sample from the frac tank analyzed for the identified COCs - PCBs, lead, copper, zinc, chromium, and cadmium.
- Since the water will have potentially contacted a characteristic hazardous waste and <u>not</u> a listed hazardous waste, the contact water sample results will be compared to applicable universal treatment standards to determine if results are below hazardous toxicity thresholds.

Applicable Universal Treatment Standards	
PCBs	0.10 mg/L
Cadmium	0.69 mg/L
Chromium (total)	2.77 mg/L
Copper	No USEPA Universal Treatment Standard
Lead	0.69 mg/L
Zinc	2.61 mg/L

- If results show the contact water has <u>no</u> COCs above the universal treatment standards, then the water will be considered nonhazardous and will be disposed of at an off-site wastewater treatment facility that can accept the liquid within their own permit limits.

- If results show the contact water has COCs above the universal treatment standards, then it will be deemed a hazardous waste per the contained-in policy and the water will be disposed of off-site as hazardous waste within 90 days of generation via licensed hazardous waste haulers.

image source - https://reconoutfitters.com/products/spill-cont-liners

The Stormwater Pollution Prevention Plan (SWPPP) is included as **Appendix E**.

Stabilization and Preventative Measures at Entrance and Exit

- *The report must include stabilization and preventive measures at the entrance/exit area to ensure that the area outside of the treatment/remediation zone will not be impacted by the contamination associated with the remedial actions and waste removal.*
- *The plan must discuss the decontamination process, the management of waste derived from decontamination, and site security controls.*
- *A detailed description and discussion of stabilization and preventive measures at the entrance/exit area to ensure that the area outside of the treatment/execution zone will not be impacted by any contamination associated with the remedial action. These stabilization and protective measures include but are not limited to, the decontamination process, the management of decontamination derived waste, and site security controls, including fencing and a gate at the site.*

Figure 200 shows the detailed site preparations, erosion control and site security plan. Once the contractor mobilizes to the site, a 6' temporary security fence will be installed around the entire perimeter of the site. The security fence will remain up until the site is stabilized following waste removal. Erosion eels will be placed on the western property boundary between the landfill area and the USEPA Fansteel site. A stabilized construction entrance/exit will be established in the northeast area of the site constructed of CA-1 and a gate.

The special waste hauling trucks that will be hauling the treated waste from the site to an off-site IEPA or WDNR-permitted Subtitle D landfill disposal facility will never be in contact with untreated waste. The trucks will drive on top of the existing capped areas and be loaded by an excavator that is down in the treatment area.

To minimize the decontamination process, it is anticipated that the selected contractor will utilize a large excavator to remove the soil cover and stockpile it around the excavated area. A separate

excavator designated for contact with the hazardous waste and mixing will be in the uncovered area to mix the treatment reagent and load the trucks. This excavator will remain in the waste and move to each new uncovered area throughout the project. At the completion of the project the "dirty" excavator will be decontaminated in the last treatment area as the final load of treated waste is loaded onto the trucks. Any soil generated during the decontamination process will be loaded onto the final truck. The selected contractor will provide a logistics plan prior to starting work to provide details that may differ from the general plan described above. However, the decontamination process will remain the same, all machinery that comes in contact with waste will be decontaminated in the excavation prior to being removed from that area.

Health and Safety Plan

- *The report must include a proposal indicating that following remedial activities, at least one sample will be collected from the soil cover of each waste treatment area to ensure that the excavated soil cover material does not contain any constituents of concern (COCs) at the site. A copy of the health and safety plan with the amended plan for on-site-workers.*

A Construction Worker Health and Safety Plan has been developed for this project that identifies known site contaminants of concern and procedures for workers to follow to minimize/eliminate exposure. A copy of the plan is included as **Appendix D.**

Final Design Report Must Include Samples to be Collected from Existing Soil Cover

- *The Final Design Report must be modified to include samples to be collected from the existing soil cover from each waste treatment area to ensure that the excavated soil cover material does not contain any COCs at the site.*
- *A minimum of one sample must be collected from each existing soil cover from each treatment area to be analyzed for the list of parameters required for this closure project.*
- *Acknowledge that samples are to be collected from the existing soil cover from each waste treatment area to ensure that the excavated soil cover material does not contain any contaminants of concern at the site. A minimum of one sample must be collected from each existing soil cover from each treatment area to be analyzed for the list of parameters required for this closure project.*

Prior to removing soil cover from an area, at least one sample will be collected and analyzed for the site COCs (Total Lead, Total Copper, Total Chromium, Total Cadmium, Total Zinc, PCBs and TCLP Lead) from the soil cover of each waste treatment area to ensure that the excavated soil cover material does not contain any COCs at the site.

Estimated Waste Quantity

- *The estimated waste quantity provided in Table 2 of the submitted Clean Closure Plan must be adjusted based on the additional characterization required in Areas 1, 2, 3, 6, 10, 11, and 12.*
- *In Area 9, zero-foot (0') thickness of waste material is estimated. However, sampling location SB-27 located a few feet from the Area 5 and Area 9 boundary-line shows TCLP lead result of 89.2 mg/kg (nearly 18 times the characteristic limit of 5 mg/kg).*
- *The plan must include additional sampling to collect more accurate data regarding the extent of hazardous waste lead.*
- *It is documented that the "mound" area located at the northern portion of the site, is the location where wastes from the rest of the site, including sediment excavated from the drainage area formerly located along the western portion of the site, were previously placed for disposal. It appears that the "mound" area is located in Area 11 and potentially a part of Area 1.*
- *Additional assessment to properly estimate the volume and extent of waste present in this area is required.*
- *Provide a revised Table 2, from the March l, 2023 clean closure plan, estimating the quantity of waste and its characteristics. In Area 9, a zero (0) foot thickness of waste material is estimated. However, sampling location SB-27 located a few feet from the Area 5 and Area 9 boundary-line shows TCLP lead result of 89.2 mg/L (nearly 18 times the hazardous characteristic limit of 5 mg/L). For Illinois EPA to allow for the revised closure plan to be approved and initiated, more accurate conditions must be provided in the Final Design Report and Construction Plan. A proposal to collect such data shall be submitted to the Illinois EPA.*
- *Additional assessment to properly estimate the volume of waste present in this area is required. The "mound" area located at the northern portion of the site, is the location where wastes from the rest of the site, including sediment excavated from the drainage area formerly located along the western portion of the site, were placed for disposal. It appears that the "mound" area is located in Area 11 and potentially a part of Area 1.*

The estimated quantity of hazardous waste requiring treatment and off-site disposal at a Subtitle D landfill is based on the estimated thickness of waste beneath the clean soil cover in each individual area. The geology of the site is known from one hundred and two (102) soil boring logs from the IEPA and the Deigan Group's soil investigation. The waste is characterized by black/brown color and descriptions of slag and foundry sand on the boring logs. The waste thickness by "Area" is defined by both the borings and average thickness over the entire "Area" as shown on **Figure 400** and defined in **Table B** below. The hazardous waste requiring treatment is further defined by soil sample results with detections of TCLP Lead above 5 mg/L. This allows for the best understanding of the potential magnitude of the treatment and disposal scope. All RCRA Hazardous and TSCA PCB waste will be removed when encountered.

Table B – Estimated Quantity of Hazardous Waste Requiring Treatment by Area

Area	Sq ft.	Avg. Depth Soil Cover to top of Waste (ft.)	Average Waste Thickness (ft.)	Estimated Cover (tons)	Estimated Waste (tons)	3% Free Flow Treatment Reagent (tons)	Total Landfill Disposal Waste + Free Flow (Tons)
1	69,515	3.14	3.00	12,138	11,586	348	11,933
2	90,090	3.60	4.00	18,018	20,020	601	20,621
3	52,104	3.70	4.50	10,710	13,026	391	13,417
4	34,229	5.50	0.50	10,459	951	29	979
5	50,281	5.25	1.95	14,665	5,447	163	5,611
6	27,052	2.88	3.00	4,321	4,509	135	4,644
7	40,408	5.00	2.40	11,224	5,388	162	5,549
8	62,892	6.05	2.07	21,123	7,238	217	7,455
9	29,292	4.28	3.08	6,961	5,018	151	5,168
10	32,970	4.20	2.75	7,693	5,037	151	5,188
11	33,423	4.44	3.00	8,240	5,571	167	5,738
12	37,529	3.45	4.25	7,193	8,861	266	9,127
Total	559,785			132,745	92,650	2,779	95,429

The mound area is contained within Area 11 and was previously characterized by the IEPA TBA sampling. This area will follow the same procedure described below to ensure no residual hazardous waste remains at the completion of the project. Pond sediment was not placed in the mound back in 2008 during the East and West stormwater pond closures. Instead, it was treated with Free Flow reagent until it passed TCLP standards, then hauled as special waste to Onyx Zion Landfill under manifest (See Appendix B of February 2010 Closure Plan Modification, submitted to IEPA, February 5, 2010).

Only two (2) areas will be open at a time to facilitate treatment and disposal. The open areas will follow the general procedures as shown on the Gantt schedule included **Figure 100** and the Treatment Area Procedure flow chart included as **Appendix F.**

Proper Exposure Route Evaluation

- *Any remaining contaminated soils and groundwater not addressed through remediation or removal of hazardous waste at the site must be evaluated in accordance with 35 IAC Part 742 for all exposure routes, and the facility will be required to: (1) thoroughly address each criteria; (2) use site-specific parameters; and (3) submit copies of any calculations performed.*
- *Acknowledge that the City will: (1) thoroughly address each criteria; (2) use site-specific parameters; and (3) submit copies of any calculations performed to demonstrate the proper application and evaluation of all exposure routes under 35 IAC Part 742 (TACO).*

Soil

Following removal of identified hazardous waste in each area, confirmation samples will be collected per the 36 ft x 36 ft grid described in the closure plan, included as **Appendix F**.

Additionally, one (1) confirmation sample will be collected every 36 ft along the perimeter of the RCRA landfill area as shown on **Figure 300**. A total of 654 confirmation soil samples will be collected and analyzed for site COCs (PCBs, TCLP Lead, Total Copper, Total Chromium, Total Lead, Total Zinc, and Total Cadmium). If there are detections above respective 742 Remediation Objectives for Industrial/Commercial land use, then the facility will evaluate all potential exposure pathways. The results of this evaluation will determine the applicable exposure pathway exclusion via land use restrictions, engineering and institutional controls as described in 35 IAC Part 742. Site-specific parameters will be used for all required modeling and calculations will be submitted in the closure certification report.

Groundwater

Any remaining groundwater impacts that are not addressed via the treatment and removal of hazardous waste at the site will be evaluated in accordance with 35 IAC Part 742 as described in the Clean Closure Plan Modification and shown below.

1. Complete the removal of source material from each source area (1-12) per closure plan.

2. Complete backfilling/regrading/seeding of entire site to establish stabilized surface.

3. Collect groundwater samples to establish baseline conditions, post-source area removal.

4. Complete a slug test and collect site specific parameters per 35 IAC 742 regulations to determine applicable groundwater classification and applicable standards/remediation objectives for the site.

5. Identify contaminants of concern in groundwater above their respective standard.

6. Demonstrate compliance with 742.320 Groundwater Ingestion Exposure Route related to exposure route exclusion via the existing City of North Chicago Groundwater ordinance and applicable Institutional Controls.

Cost Estimate

- *An adjusted cost estimate for closure and financial assurance reflecting the adjusted cost estimate, as necessary.*

As described in the January 15, 2025, Project Status Update Email, the City agrees to the contemporary Financial Assurance policy offered by IEPA. This policy would require the City to establish Financial Assurance for 27% of the grand total of the cost estimate and ensure only two (2) sub-areas have their final cover system removed and exposed at one given time.

The current Closure Cost Estimate for the project is $**6,700,000.00**. This cost includes the average of seven bids, direct pay items procured/paid by the owner, monitoring well abandonment & installation, groundwater monitoring costs, and a 10% contingency. Using the above financial assurance policy, the City will be required to provide Financial Assurance for **$1,809,000.00.**

($6,700,000.00 * 0.27) The City plans to provide a surety bond or letter of credit in the amount of $1,809,000.00 to resolve this financial assurance compliance condition.

The City will rebid the project in the Spring of 2025. The closure cost estimate will be updated accordingly. The financial assurance mechanism will also be updated, as needed, to maintain 27% of the grand total of the cost estimate.

Figure 100

Gantt Proposed Schedule

Rev 2.
2/7/2025

Anticipated Schedule of Work
North Chicago
Sheridan Crossing TACO Remediation

ACTIVITY / TASK	Weeks 1 - 40																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1. IEPA Closure Plan Approval, Mobilization/Site Prep, SEC Fence																																								
1a. Abandon Existing On-Site Wells																																								
1b. Install new monitor well network one upgradient & three downgradient																																								
2. Area 1 + 2																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Load + Transport PCB Impacted Soil to TSCA Landfill																																								
F. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
G. Additional Excavation Contingent on Confirmation Samples																																								
3. Area 3 + 4																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
4. Area 5 + 6																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
5. Area 7 + 8																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
6. Area 9 + 10																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
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F. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
G. Additional Excavation Contingent on Confirmation Samples																																								
8. Regrading/Backfill of Confirmed Clean-Closed Treatment Areas																																								
9. Excavation/Load-Out, Transport, Disposal of Soil NOT meeting clean																																								
10. RCRA Clean Closure Documentation, Report Submittal to																																								

Figure 200

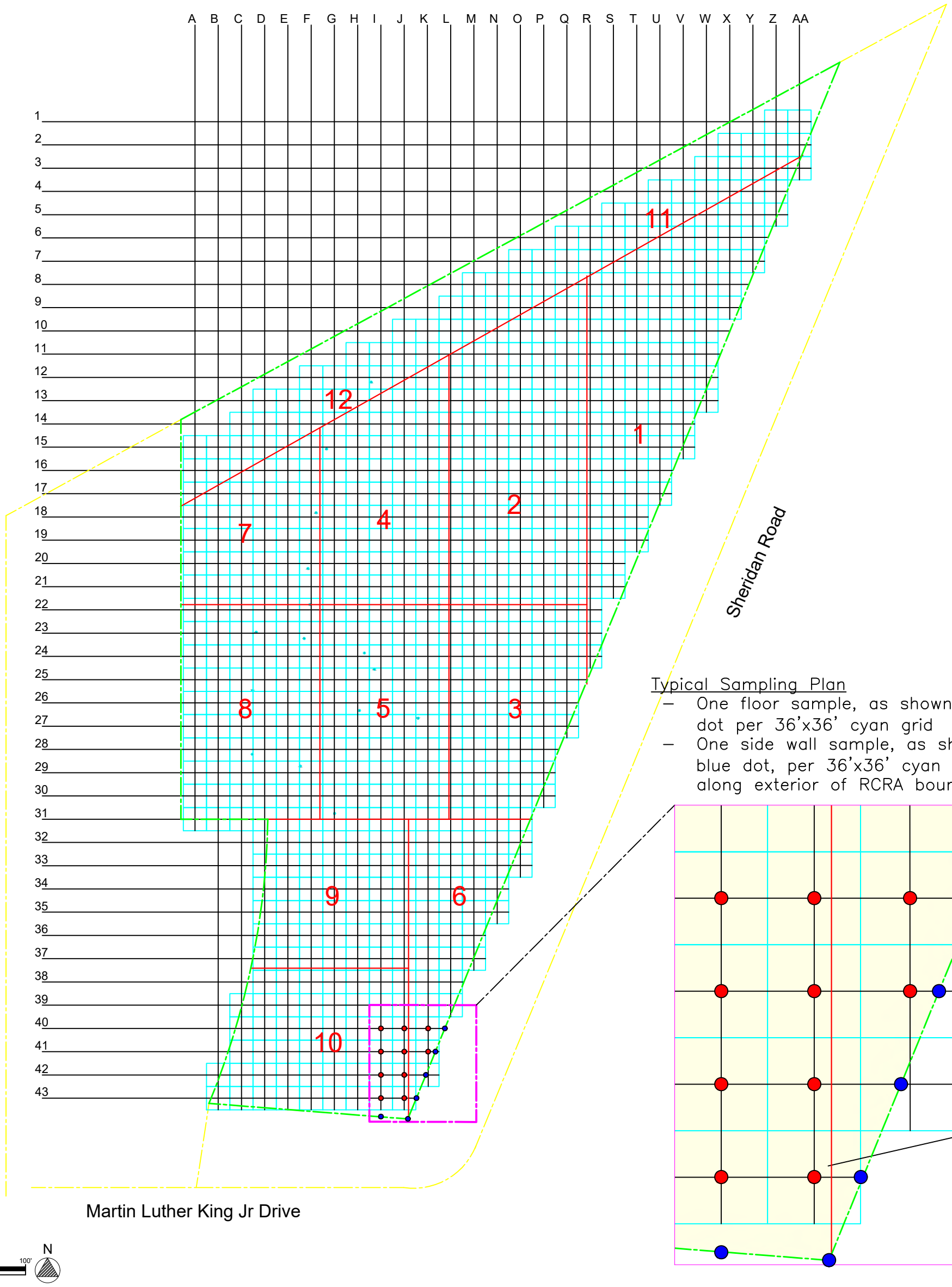
Site Preparations, Erosion Control, Site Security Plan

Date 2/9/2023	Site Preparations, Erosion Control, Site Security Plan	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	
200	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

No.	Date	Description	By

Figure 300

Confirmation Sampling Grid



Typical Sampling Plan

- One floor sample, as shown by red dot per 36'x36' cyan grid
- One side wall sample, as shown by blue dot, per 36'x36' cyan grid along exterior of RCRA boundary.

Property Line
IEPA–RCRA Area
Required IEPA Sampling Grid (36' x 36')
Treatment Areas (1 thru 12)
Grid Floor Confirmation Sample
Grid Sidewall Confirmation Sample

Date 2/28/2025	Plan View Confirmation Sampling Grid Response to IEPA	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	No. / Date / Description / By
300	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

Figure 400

Estimated Quantity of Hazardous Waste Requiring Treatment by Area

Property Line | Boring Exceeding 5 mg/L | Boring Not Exceeding 5 mg/L | Existing Monitoring Well

Date 4/4/2025	Estimated Quantity of Hazardous Waste Requiring Treatment by Area	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	No. / Date / Description / By
400	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

Appendix A

IEPA Targeted Brownfield Assessment Lab Data Summary Tables

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1213-01 X201 Soil 9/28/2022 4:00 PM 75.29644	22I1213-02 X301 Soil 9/28/2022 4:40 PM 99.1	22I1083-01 SB01 5-8 Soil 9/26/2022 1:45 PM 80.21978	22I1083-02 SB01 10-12 Soil 9/26/2022 2:10 PM 84.01598	22I1083-03 SB02 5-8 Soil 9/26/2022 2:05 PM 80.2775	22I1083-04 SB02 9-12 Soil 9/26/2022 2:20 PM 86.52695	22I1083-05 SB03 0-3 Soil 9/26/2022 2:45 PM 91.43427	22I1083-06 SB03 4-7 Soil 9/26/2022 2:50 PM 85.25896	22I1083-07 SB03 9-11 Soil 9/26/2022 3:05 PM 83.8806
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		10300	33400	6010	5670	16500	13400	13400	12700	7420
Antimony	820.00	---		3.67 B2	47.6 B2	<2.44 B2	<2.38 B2	4.20 B2	2.88 B2	3.24 B2	29.4 B2	2.53 B2
Arsenic	13.00	1200.00		10.1 B2	9.73 B2	4.78 B2	4.87 B2	4.68 B2	7.59 B2	11.4 B2	16.3	6.09 B2
Barium	140000.00	910000.00		60.7	435	22.3	16.5	131	23.7	59.3	133	13.8
Beryllium	4100.00	2100.00		<0.26	97.1	<0.24	<0.24	<0.25	<0.23	<0.22	8.03	<0.24
Boron	410000.00	---		28.7 B1	5990 B1	11.6 B1	6.35 B1	19.4 B1	19.2 B1	14.9 B1	319 B1	18.4 B1
Cadmium	2000.00	2800.00		6.20 B2	42.2 B2	2.66 B2	3.95 B2	6.16 B2	6.08 B2	4.67 B2	27.3 B2	5.44 B2
Calcium	---	---		75600	20100	85800	84500	4970	40300	80000	92500	51200
Chromium	6100.00	420.00		15.2	96.8	10.3	9.17	23.4	19.9	19.5	54.2	12.7
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		9.61	70	6.02	7.67	9.36	10.3	9.5	10.6	8.62
Copper	82000.00	---		138	14400	27.4	21.8	32.2	22.3	32	6810	31
Cyanide (amenable)	41000.00	---										
Cyanide				0.071		<0.037	<0.033	0.338	<0.032	<0.032	0.159	<0.034
Hardness												
Iron	---	---		16600	205000	10200	16600	20300	28000	19300	32900	13300
Lead	800.00	---		69.5	6530	8.77	6.85	22.3	10.6	21.2	9260	17.7
Magnesium	---	---		37200	10200	45100	41700	5910	27500	38300	54100	30600
Manganese	41000.00	91000.00		638	7440	594	539	1210	324	557	818	403
Mercury	610.00	16.00		0.04	0.03 J3	0.08	0.009	0.03	0.01	0.02	0.29	0.02
Nickel	41000.00	21000.00		21.6	696	12.7	15.6	19.1	31.5	23.2	101	20.7
Potassium	---	---		2330	1750	1860	1650	2770	4200	3630	1690	2620
Selenium	10000.00	---		5.03 B2	30.6 B2	<2.44 B2	<2.38 B2	4.82 B2	<2.31 B2	<2.19 B2	<2.35 B2	<2.38 B2
Silver	10000.00	---		0.78	1.94	0.91	0.75	<0.62	<0.58	0.6	3.94	<0.60
Sodium	---	---		415	32000	335	<238	440	407	819	2350	304
Strontium	1000000.00	---		55.8	91.4	37	37.5	24.4	25.9	48	66.7	29.6
Thallium	160.00	---		<2.60 B2	16.4 B2	<2.44 B2	<2.38 B2	<2.49 B2	4.55 B2	<2.19 B2	10.2 B2	<2.38 B2
Vanadium	14000.00	---		19.6 B1	18.4 B1	13.6 B1	14.5 B1	28.1 B1	20.2 B1	25.7 B1	14.4 B1	16.2 B1
Zinc	610000.00	---		760	129000	358	82.2	583	1190	98.2	17700	1080
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.63 I		0.019	<0.0049	0.022	<0.0048	<0.0044	<0.0043	<0.0049
Benzene	100	1.6		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Bromobenzene	16000	810		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Bromochloroethene												
Bromochloromethane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Bromodichloromethane	92	3000		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Bromoform	720	100		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Bromomethane	2900	15		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
2-Butanone (MEK)	1000000	25000		<0.63 I		<0.0059	<0.0049	0.007	<0.0048	<0.0044	<0.0043	<0.0049
Carbon Disulfide	200000	720		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Carbon tetrachloride	44	0.64		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Chlorobenzene	41000	210		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Chloroethane	---	1500		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Chloroform	940	0.54		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Chloromethane	---	170		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Dibromochloromethane	92	3000		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,2-Dibromoethane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Dibromomethane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1-Dichloroethane	200000	1700		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,2-Dichloroethane	63	0.7		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1-Dichloroethene				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
cis-1,2-Dichloroethene	20000	1200		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
trans-1,2-Dichloroethene	41000	3100		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1-Dichloropropene				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,2-Dichloropropane	84	23		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,3-Dichloropropane	41000	1000		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
2,2-Dichloropropane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
cis-1,3-Dichloropropene	57	2.1		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
trans-1,3-Dichloropropene	57	2.1		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Ethylbenzene	200000	400		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
2-Hexanone (MBK)	10000	720		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Methylene Chloride	760	24		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Methyl tert-butyl ether	20000	8800		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
4-Methyl-2pentanone (MIBK)	---	340		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Stryene	410000	1500		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Tetrachloroethene	110	20		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Trichlorofluoromethane	61000	1400		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Toluene	410000	650		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1,1-Trichloroethane	---	1200		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1,2-Trichloroethane	8200	1800		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,2,3-Trichloropropane	0.19	5		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Trichloroethene	520	8.9		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Vinyl chloride	7.9	1.1		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019
Xylenes, Total	410000	320		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample #	22I1213-01	22I1213-02	22I1083-01	22I1083-02	22I1083-03	22I1083-04	22I1083-05	22I1083-06	22I1083-07
			Sample Name	X201	X301	SB01 5-8	SB01 10-12	SB02 5-8	SB02 9-12	SB03 0-3	SB03 4-7	SB03 9-11
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/28/2022	9/28/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	4:00 PM	4:40 PM	1:45 PM	2:10 PM	2:05 PM	2:20 PM	2:45 PM	2:50 PM	3:05 PM
			% Solids	75.29644	99.1	80.21978	84.01598	80.2775	86.52695	91.43427	85.25896	83.8806
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---										
Acenaphthylene	61000	---										
Acetophenone												
Anthracene	610000	---										
Azobenzene												
Benzo(a)anthracene	8	---										
Benzo(b)fluoranthene	8	---										
Benzo(k)fluoranthene	78	---										
Benzo(g,h,i)perylene	61000	---										
Benzo(a)pyrene	0.8	---										
Bis(2-chloroethyl)ether	5	0.47										
Bis(2-chloroethoxy)methane												
Bis(2-ethylhexyl)phthalate	410	31000										
4-Bromophenyl phenyl ether												
Butyl benzyl phthalate	410000	930										
Carbazole	290	---										
4-Chloro-3-methylphenol												
4-Chloroaniline	8200	---										
1-Chloronaphthalene												
2-Chloronaphthalene	160000	---										
2-Chlorophenol	10000	53000										
4-Chlorophenyl phenyl ether												
Chrysene	780	---										
1,2-Dichlorobenzene	180000	560										
1,3-Dichlorobenzene												
1,4-Dichlorobenzene	---	17000										
2,4-Dichlorophenol	6100	---										
Di-n-butyl phthalate	200000	2300										
Di-n-octyl phthalate	41000	10000										
1,2-Dinitrobenzene												
1,3-Dinitrobenzene	200	---										
1,4-Dinitrobenzene												
2,6-Dinitrotoluene	8.4	---										
2,4-Dinitrophenol	4100	---										
2,4-Dinitrotoluene	8.4	---										
Dibenz(a,h)anthracene	0.8	---										
Dibenzofuran	2000	---										
3,3'-Dichlorobenzidine	13	---										
2,6-Dichlorophenol												
Diethyl phthalate	1000000	2000										
Dimethyl phthalate	1000000	1300										
p-Dimethylaminoazobenzene												
7,12-Dimethylbenzo(a)anthracene												
2,4-Dimethylphenol	41000	---										
4,6-Dinitro-2-methylphenol												
Diphenylamine	51000	---										
Fluoranthene	82000	---										
Fluorene	82000	---										
Hexachlorobenzene												
Hexachlorobutadiene	2000											
Hexachlorocyclopentadiene												
Hexachloroethane	2000	---										
Hexachloropropene												
Indeno(1,2,3-cd)pyrene	8	---										
Isodrin												
Isophorone	410000	4600										
Isosafrole												
Mestranol												
Ethyl methanesulfonate												
Methyl methanesulfonate												
2-Methylnaphthalene	8200	---										
2-Methylphenol	100000	---										
4-Methylphenol	200000	170000										
Naphthalene	41000	270										
1-Naphthylamine												
2-Naphthylamine												
5-Nitroacenaphthene												
2-Nitroaniline	31000	28										
3-Nitroaniline												
4-Nitroaniline	8200	2400										
Nitrobenzene	1000	140										
4-Nitrobiphenyl												
2-Nitrophenol												
4-Nitrophenol	16000	---										
N-Nitrosodi-n-butylamine												
N-Nitrosodi-n-propylamine	0.8	---										
N-Nitrosopiperidine												
2,2'-Oxybis (1-chloropropane)												
Pentachlorobenzene	6100	---										
Pentachloronitrobenzene												
Pentachlorophenol	24	---										
Phenacetin												
Phenanthrene	61000	---										

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1213-01 X201 Soil 9/28/2022 4:00 PM 75.29644	22I1213-02 X301 Soil 9/28/2022 4:40 PM 99.1	22I1083-01 SB01 5-8 Soil 9/26/2022 1:45 PM 80.21978	22I1083-02 SB01 10-12 Soil 9/26/2022 2:10 PM 84.01598	22I1083-03 SB02 5-8 Soil 9/26/2022 2:05 PM 80.2775	22I1083-04 SB02 9-12 Soil 9/26/2022 2:20 PM 86.52695	22I1083-05 SB03 0-3 Soil 9/26/2022 2:45 PM 91.43427	22I1083-06 SB03 4-7 Soil 9/26/2022 2:50 PM 85.25896	22I1083-07 SB03 9-11 Soil 9/26/2022 3:05 PM 83.8806
Phenol	610000	---										
2-Picoline												
Pronamide												
Pyrene	61000	---										
Pyridine	2000	200000										
Safrole												
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol												
1,2,4-Trichlorobenzene	20000	3200										
2,4,5-Trichlorophenol	200000	---										
2,4,6-Trichlorophenol	520	390										
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6										
alpha-BHC	0.9	1.5										
beta-BHC												
delta-BHC												
gamma-BHC	4	---										
alpha-Chlordane	16	140										
gamma-Chlordane	16	140										
Dieldrin	0.4	2.2										
p,p'-DDT	17	1500										
p,p'-DDD	24	---										
p,p'-DDE	17	---										
Endosulfan I	12000	---										
Endosulfan II												
Endosulfan sulfate												
Endrin	610	---										
Endrin aldehyde												
Endrin ketone												
Heptachlor	1	11										
Heptachlor epoxide	0.6	9.2										
Methoxychlor	10000	---										
Toxaphene	5.2	170										
Aroclor 1016	1											
Aroclor 1221	1											
Aroclor 1232	1											
Aroclor 1242	1											
Aroclor 1248	1											
Aroclor 1254	1											
Aroclor 1260	1											
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12											

IEPA TACO TABLE

Site:
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CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1083-08 SB04 4-7 Soil 9/26/2022 2:50 PM 78.99497	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		11500 J3	11200	14700	9790	8320	8060	7920	13900	18400
Antimony	820.00	---		26.0 B2, J3	4.67 B2	<0.010	<0.010	3.03 B2	10.2 B2	<2.45 B2	4.46 B2, J3	<0.010
Arsenic	13.00	1200.00		21	13.1	<0.010 B1, J7	<0.010 B1, J7	9.98 B2	14	7.88 B2	22.7	<0.010 B1, J7
Barium	140000.00	910000.00		139	71.2	0.535	0.207	41.8	71.1	17.1	92.7	0.343
Beryllium	4100.00	2100.00		3.47	<0.23	<0.001	<0.001	0.55	0.72	<0.25	<0.26	<0.001
Boron	410000.00	---		153 B1, J3	22.0 B1	22.4	28.2	48.4 B1	36.0 B1	27.5 B1	53.3 B1	63
Cadmium	2000.00	2800.00		23.7 B2	12.3 B2	0.004 B2	0.004 B2	3.46 B2	8.36 B2	3.84 B2	10.6 B2	0.010 B2
Calcium	---	---		6700 J3	3980	64300	77800	72000	53600	70200	44400	3910
Chromium	6100.00	420.00		38.0 J3	19.2	<0.005	<0.005	13.6	17	13.5	20.6	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		8.37	10.6	9.95	18.1	7.75	7.63	8.03	14.4	14.9
Copper	82000.00	---		12100 J3	2330	92.2	21.7	155	4380	29.6	29.3 I	20.5
Cyanide (amenable)	41000.00	---										
Cyanide				0.393 J3, V	0.217 J3, V	<0.037	<0.032	0.140 V	0.097 V	<0.035 V	<0.038	<0.038 V
Hardness												
Iron	---	---		17700 J3, I	21200	19500	28900	14200	17000	12400	35000 I	35200
Lead	800.00	---		3660	575	<0.010	<0.010	82.1	1410	11.8	12.9 I	<0.005
Magnesium	---	---		3340 J3	4270	30500	44700	30400	28100	37900	28900	5450
Manganese	41000.00	91000.00		771	365	526	1340	530	541	499	621	499
Mercury	610.00	16.00		0.24 J3	0.04	0.06	0.01	0.03	0.22	0.01	0.01	0.04
Nickel	41000.00	21000.00		114 J3	31.4	0.011	0.011	22.6	38.1	20.4	33.2	0.012
Potassium	---	---		463	2120	3510	2890	1970	1620	2980	2950	3370
Selenium	10000.00	---		9.69 B2	5.23 B2	0.045 J6	0.026 J6	<2.14 B2	4.76 B2	<2.45 B2	5.40 B2, I	0.041 J6
Silver	10000.00	---		5.24 J3	<0.57	<0.012	<0.012	<0.54	1.32	<0.61	<0.65	0.003
Sodium	---	---		625	537	237	482	923	638	587	1700	2100
Strontium	1000000.00	---		40.8 J3	25.6	40.8	37	35.3	33.7	39.6	35.4	52.2
Thallium	160.00	---		<2.58 B2, I	<2.26 B2	0.026 B1	0.028 B1	<2.14 B2	<2.32 B2	<2.45 B2	4.23 B2	<0.025 B1
Vanadium	14000.00	---		11.2	24.9	<0.005 B1	<0.005 B1	18.6	17.2	19.1	29.9 B1	<0.005
Zinc	610000.00	---		23500	5050	0.238	0.059	1270	7390	333	1530	0.257
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0059	0.0075	<0.0054	<0.0054	<0.004	<0.0056	0.0065	<0.0057	0.013
Benzene	100	1.6		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Bromobenzene	16000	810		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Bromochloroethene												
Bromochloromethane				<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Bromodichloromethane	92	3000		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Bromoform	720	100		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Bromomethane	2900	15		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
2-Butanone (MEK)	1000000	25000		<0.0059	<0.0052	<0.0054	<0.0054	<0.004	<0.0056	<0.0048	<0.0057	<0.0053
Carbon Disulfide	200000	720		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Carbon tetrachloride	44	0.64		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Chlorobenzene	41000	210		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Chloroethane	---	1500		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Chloroform	940	0.54		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Chloromethane	---	170		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Dibromochloromethane	92	3000		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,2-Dibromoethane				<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Dibromomethane				<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1-Dichloroethane	200000	1700		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,2-Dichloroethane	63	0.7		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1-Dichloroethene				<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
cis-1,2-Dichloroethene	20000	1200		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
trans-1,2-Dichloroethene	41000	3100		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1-Dichloropropene				<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,2-Dichloropropane	84	23		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,3-Dichloropropane	41000	1000		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
2,2-Dichloropropane				<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
cis-1,3-Dichloropropene	57	2.1		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
trans-1,3-Dichloropropene	57	2.1		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Ethylbenzene	200000	400		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
2-Hexanone (MBK)	10000	720		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Methylene Chloride	760	24		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Methyl tert-butyl ether	20000	8800		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
4-Methyl-2pentanone (MIBK)	---	340		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Stryene	410000	1500		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Tetrachloroethene	110	20		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Trichlorofluoromethane	61000	1400		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Toluene	410000	650		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1,1-Trichloroethane	---	1200		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1,2-Trichloroethane	8200	1800		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,2,3-Trichloropropane	0.19	5		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1,1,2-Tetrachloroethane	61000	2100		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Trichloroethene	520	8.9		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Vinyl chloride	7.9	1.1		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021
Xylenes, Total	410000	320		<0.0023	<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample #	22I1083-08	22I1083-09	23I0451-04	23I0452-02	22I1083-13	22I1083-14	22I1083-15	22I1080-02	23I0394-04
			Sample Name	SB04 4-7	SB04 9-12	SB-4E (1-3)	SB-4E (10-12)	SB05 0-3	SB05 6-9	SB05 9-11	SB06 8.5-10.5	SB-6E (10-12)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/26/2022	9/26/2022	9/13/2023	9/13/2023	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/12/2023
			Time sampled	2:50 PM	3:00 PM	9:30 AM	10:50 AM	3:40 PM	3:50 PM	4:00 PM	4:10 PM	4:00 PM
			% Solids	78.99497	86.65998	84.37792	82.14286	91.42572	86.17235	83.13374	77.21393	76.0659
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---				<0.057	<0.059					<0.065
Acenaphthylene	61000	---				<0.057	<0.059					<0.065
Acetophenone						<0.057	<0.059					<0.065
Anthracene	610000	---				<0.057	<0.059					<0.065
Azobenzene						<0.057	<0.059					<0.065
Benzo(a)anthracene	8	---				0.22	<0.059					<0.065
Benzo(b)fluoranthene	8	---				0.4	<0.059					<0.065
Benzo(k)fluoranthene	78	---				0.17	<0.059					<0.065
Benzo(g,h,i)perylene	61000	---				0.19	<0.059					<0.065
Benzo(a)pyrene	0.8	---				0.27	<0.059					<0.065
Bis(2-chloroethyl)ether	5	0.47				<0.057	<0.059					<0.065
Bis(2-chloroethoxy)methane						<0.057	<0.059					<0.065
Bis(2-ethylhexyl)phthalate	410	31000				<0.19	<0.2					<0.22
4-Bromophenyl phenyl ether						<0.057	<0.059					<0.065
Butyl benzyl phthalate	410000	930				<0.057	<0.059					<0.065
Carbazole	290	---				<0.057	<0.059					<0.065
4-Chloro-3-methylphenol						<0.057	<0.059					<0.065
4-Chloroaniline	8200	---				<0.057	<0.059					<0.065
1-Chloronaphthalene						<0.057	<0.059					<0.065
2-Chloronaphthalene	160000	---				<0.057	<0.059					<0.065
2-Chlorophenol	10000	53000				<0.057	<0.059					<0.065
4-Chlorophenyl phenyl ether						<0.057	<0.059					<0.065
Chrysene	780	---				0.31	<0.059					<0.065
1,2-Dichlorobenzene	180000	560				<0.057	<0.059					<0.065
1,3-Dichlorobenzene						<0.057	<0.059					<0.065
1,4-Dichlorobenzene	---	17000				<0.057	<0.059					<0.065
2,4-Dichlorophenol	6100	---				<0.057	<0.059					<0.065
Di-n-butyl phthalate	200000	2300				<0.19	<0.2					<0.22
Di-n-octyl phthalate	41000	10000				<0.19	<0.2					<0.22
1,2-Dinitrobenzene						<0.19	<0.2					<0.22
1,3-Dinitrobenzene	200	---				<0.19	<0.2					<0.22
1,4-Dinitrobenzene						<0.057	<0.059					<0.065
2,6-Dinitrotoluene	8.4	---				<0.057	<0.059					<0.065
2,4-Dinitrophenol	4100	---				<0.19	<0.2					<0.22
2,4-Dinitrotoluene	8.4	---				<0.057	<0.059					<0.065
Dibenz(a,h)anthracene	0.8	---				<0.057	<0.059					<0.065
Dibenzofuran	2000	---				<0.057	<0.059					<0.065
3,3'-Dichlorobenzidine	13	---				<0.057	<0.059					<0.065
2,6-Dichlorophenol						<0.057	<0.059					<0.065
Diethyl phthalate	1000000	2000				<0.057	<0.059					<0.065
Dimethyl phthalate	1000000	1300				<0.057	<0.059					<0.065
p-Dimethylaminoazobenzene						<0.19	<0.2					<0.22
7,12-Dimethylbenzo(a)anthracene						<0.19	<0.2					<0.22
2,4-Dimethylphenol	41000	---				<0.057	<0.059					<0.065
4,6-Dinitro-2-methylphenol						<0.19	<0.2					<0.22
Diphenylamine	51000	---				<0.057	<0.059					<0.065
Fluoranthene	82000	---				0.63	<0.059					<0.065
Fluorene	82000	---				<0.057	<0.059					<0.065
Hexachlorobenzene						<0.057	<0.059					<0.065
Hexachlorobutadiene	2000					<0.057	<0.059					<0.065
Hexachlorocyclopentadiene						<0.19	<0.2					<0.22
Hexachloroethane	2000	---				<0.057	<0.059					<0.065
Hexachloropropene						<0.057	<0.059					<0.065
Indeno(1,2,3-cd)pyrene	8	---				0.2	<0.2					<0.22
Isodrin						<0.057	<0.059					<0.065
Isophorone	410000	4600				<0.19	<0.2					<0.22
Isosafrole						<0.057	<0.059					<0.065
Mestranol						<0.19	<0.2					<0.22
Ethyl methanesulfonate						<0.057	<0.059					<0.065
Methyl methanesulfonate						<0.057	<0.059					<0.065
2-Methylnaphthalene	8200	---				<0.057	<0.059					<0.065
2-Methylphenol	100000	---				<0.057	<0.059					<0.065
4-Methylphenol	200000	170000				<0.057	<0.059					<0.065
Naphthalene	41000	270				<0.057	<0.059					<0.065
1-Naphthylamine						<0.19	<0.2					<0.22
2-Naphthylamine						<0.19	<0.2					<0.22
5-Nitroacenaphthene						<0.057	<0.059					<0.065
2-Nitroaniline	31000	28				<0.19	<0.2					<0.22
3-Nitroaniline						<0.057	<0.059					<0.065
4-Nitroaniline	8200	2400				<0.057	<0.059					<0.065
Nitrobenzene	1000	140				<0.057	<0.059					<0.065
4-Nitrobiphenyl						<0.19	<0.2					<0.22
2-Nitrophenol						<0.19	<0.2					<0.22
4-Nitrophenol	16000	---				<0.057	<0.059					<0.065
N-Nitrosodi-n-butylamine						<0.057	<0.059					<0.065
N-Nitrosodi-n-propylamine	0.8	---				<0.057	<0.059					<0.065
N-Nitrosopiperidine						<0.057	<0.059					<0.065
2,2'-Oxybis (1-chloropropane)						<0.057	<0.059					<0.065
Pentachlorobenzene	6100	---				<0.057	<0.059					<0.065
Pentachloronitrobenzene						<0.057	<0.059					<0.065
Pentachlorophenol	24	---				<0.19	<0.2					<0.22
Phenacetin						<0.19	<0.2					<0.22
Phenanthrene	61000	---				0.23	<0.059					<0.065

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1083-08 SB04 4-7 Soil 9/26/2022 2:50 PM 78.99497	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659
Phenol	610000	---				<0.057	<0.059					<0.065
2-Picoline						<0.057	<0.059					<0.065
Pronamide						<0.057	<0.059					<0.065
Pyrene	61000	---				0.49	<0.059					<0.065
Pyridine	2000	200000				<0.19	<0.2					<0.22
Safrole						<0.057	<0.059					<0.065
1,2,4,5-Tetrachlorobenzene						<0.057	<0.059					<0.065
2,3,4,6-Tetrachlorophenol						<0.057	<0.059					<0.065
1,2,4-Trichlorobenzene	20000	3200				<0.057	<0.059					<0.065
2,4,5-Trichlorophenol	200000	---				<0.057	<0.059					<0.065
2,4,6-Trichlorophenol	520	390				<0.057	<0.059					<0.065
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6				<0.0057	<0.0057					<0.0063
alpha-BHC	0.9	1.5				<0.0023	<0.0023					<0.0025
beta-BHC						<0.0057	<0.0057					<0.0063
delta-BHC						<0.0057 O1	<0.0057					<0.0063
gamma-BHC	4	---				<0.0057	<0.0057					<0.0063
alpha-Chlordane	16	140				<0.0057	<0.0057					<0.0063
gamma-Chlordane	16	140				<0.0057	<0.0057					<0.0063
Dieldrin	0.4	2.2				0.0093	<0.0023					<0.0025
p,p'-DDT	17	1500				<0.0057	<0.0057					<0.0063
p,p'-DDD	24	---				<0.0057	<0.0057					<0.0063
p,p'-DDE	17	---				0.0067	<0.0057					<0.0063
Endosulfan I	12000	---				<0.0057	<0.0057					<0.0063
Endosulfan II						<0.0057	<0.0057					<0.0063
Endosulfan sulfate						<0.0057	<0.0057					<0.0063
Endrin	610	---				<0.0057	<0.0057					<0.0063
Endrin aldehyde						<0.0057	<0.0057					<0.0063
Endrin ketone						<0.0057	<0.0057					<0.0063
Heptachlor	1	11				<0.0057	<0.0057					<0.0063
Heptachlor epoxide	0.6	9.2				<0.0057	<0.0057					<0.0063
Methoxychlor	10000	---				<0.0057	<0.0057					<0.0063
Toxaphene	5.2	170				<0.11	<0.11					<0.13
Aroclor 1016	1					<0.011	<0.011					<0.013
Aroclor 1221	1					<0.011	<0.011					<0.013
Aroclor 1232	1					<0.011	<0.011					<0.013
Aroclor 1242	1					<0.011	<0.011					<0.013
Aroclor 1248	1					<0.011	<0.011					<0.013
Aroclor 1254	1					<0.011	<0.011					<0.013
Aroclor 1260	1					<0.011	<0.011					<0.013
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12					8.3 I, Q	8.7 I, Q					8.8 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		11300	7870	11400	18000	20800	12500	11000	10800	10900
Antimony	820.00	---		86.6 B2	<2.53 B2	38.6 B2	3.44 B2	0.086	<0.010	58.7 B2	3.44 B2	3.22 B2
Arsenic	13.00	1200.00		25.5	5.96	21.1	6.20 B2	<0.010 B1, J7	<0.010 B1, J7	19.9	7.03 B2	16.6
Barium	140000.00	910000.00		216	25.9	199	104	2.13	0.621	228	35.1	74.5
Beryllium	4100.00	2100.00		12.6	<0.25	15.9	0.53	0.008	<0.001	1.01	<0.24	<0.23
Boron	410000.00	---		319 B1	124 B1	262 B1	146 B1	173	61.5	92.1 B1	106 B1	17.8 B1
Cadmium	2000.00	2800.00		30.0 B2	4.18 B2	24.3 B2	4.29 B2	0.313 B2	<0.005 B2	24.4 B2	7.28 B2	4.41 B2
Calcium	---	---		18400	52200	14000	6930	18900	68600	4660	30300	88000
Chromium	6100.00	420.00		206	14.3	69.5	23.9	<0.005	<0.005	135	19.5	17.7
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		25.2	6.9	16.5	8.27	27.3	9.64	8.41	10.3	9.11
Copper	82000.00	---		56900	41.6	20800	44.6	6300	20.2	16200	214	90.4
Cyanide (amenable)	41000.00	---										
Cyanide				0.098 J3	<0.038	0.174	0.196	0.100 V	<0.037 V	0.249	<0.035	<0.032
Hardness												
Iron	---	---		49700	14600	45900	15500	71100	18900	27400	19900	17800
Lead	800.00	---		6260	23.8	4690	17.1	20.2	0.013	5160	61.6	36.5
Magnesium	---	---		11000	30900	6210	4660	3770	34000	1730	21400	40800
Manganese	41000.00	91000.00		2100	386	1070	90.2	1200	418	983	284	513
Mercury	610.00	16.00		0.33	0.01	0.03	0.13	0.35	0.01	1.75	0.02	0.04
Nickel	41000.00	21000.00		1950	17.3	204	27	0.544	0.013	73.7	27.4	23.4
Potassium	---	---		1140	1440	1310	2770	2560	4000	1040	2430	3370
Selenium	10000.00	---		92.8 B2	<2.53 B2	9.72 B2	3.53 B2	0.059 J6, V	<0.025 J5	9.67 B2	4.63 B2	3.11 B2
Silver	10000.00	---		11.7	<0.63	4.31	<0.64	<0.003	0.004	9.52	<0.59	0.76
Sodium	---	---		5580	2820	1910	5420	3080	1600	5900	2790	700
Strontium	1000000.00	---		98.3	23	62.6	50.1	94.9	42.5	77.1	42.9	53.6
Thallium	160.00	---		<2.54 B2	<2.53 B2	7.74 B2	3.74 B2	<0.025 B1	<0.025 B1	<2.21 B2	2.65 B2	3.29 B2
Vanadium	14000.00	---		16.2 B1	20.4 B1	14.2 B1	27.1 B1	<0.005	<0.005	14.2 B1	22.2 B1	18.8 B1
Zinc	610000.00	---		58900	1180	38900	114	247	0.157	35000	1450	236
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0063	<0.0055	<0.0047	<0.0062	0.0056	<0.005	<0.0052	0.0054	<0.0045
Benzene	100	1.6		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Bromobenzene	16000	810		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Bromochloroethene												
Bromochloromethane				<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Bromodichloromethane	92	3000		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Bromoform	720	100		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Bromomethane	2900	15		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
2-Butanone (MEK)	1000000	25000		<0.0063	<0.0055	<0.0047	<0.0062	<0.0044	<0.005	<0.0052	<0.0048	<0.0045
Carbon Disulfide	200000	720		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Carbon tetrachloride	44	0.64		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Chlorobenzene	41000	210		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Chloroethane	---	1500		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Chloroform	940	0.54		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Chloromethane	---	170		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Dibromochloromethane	92	3000		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,2-Dibromoethane				<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Dibromomethane				<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,1-Dichloroethane	200000	1700		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,2-Dichloroethane	63	0.7		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,1-Dichloroethene				<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
cis-1,2-Dichloroethene	20000	1200		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
trans-1,2-Dichloroethene	41000	3100		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,1-Dichloropropene				<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,2-Dichloropropane	84	23		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,3-Dichloropropane	41000	1000		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
2,2-Dichloropropane				<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
cis-1,3-Dichloropropene	57	2.1		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
trans-1,3-Dichloropropene	57	2.1		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Ethylbenzene	200000	400		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
2-Hexanone (MBK)	10000	720		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Methylene Chloride	760	24		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Methyl tert-butyl ether	20000	8800		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
4-Methyl-2pentanone (MIBK)	---	340		<0.0025	<0.0022	<0.0019	<0.0025	0.002	<0.002	<0.0021	<0.0019	<0.0018
Stryene	410000	1500		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Tetrachloroethene	110	20		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Trichlorofluoromethane	61000	1400		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Toluene	410000	650		<0.0025	<0.0022	<0.0019	<0.0025	0.0039	0.0026	<0.0021	<0.0019	<0.0018
1,1,1-Trichloroethane	---	1200		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,1,2-Trichloroethane	8200	1800		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,2,3-Trichloropropane	0.19	5		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,1,1,2-Tetrachloroethane	61000	2100		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0025	<0.0022	0.0021	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Trichloroethene	520	8.9		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Vinyl chloride	7.9	1.1		<0.0025	<0.0022	<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018
Xylenes, Total	410000	320		<0.0025	<0.0022	0.0022	<0.0025	0.0032	<0.002	<0.0021	<0.0019	<0.0018

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---						0.14 J1	<0.057			
Acenaphthylene	61000	---						<0.054 J1	<0.057			
Acetophenone								<0.054	<0.057			
Anthracene	610000	---						0.27	<0.057			
Azobenzene								<0.054	<0.057			
Benzo(a)anthracene	8	---						0.68	<0.057			
Benzo(b)fluoranthene	8	---						1.1	<0.057			
Benzo(k)fluoranthene	78	---						0.32	<0.057			
Benzo(g,h,i)perylene	61000	---						0.33	<0.057			
Benzo(a)pyrene	0.8	---						0.58	<0.057			
Bis(2-chloroethyl)ether	5	0.47						<0.054	<0.057			
Bis(2-chloroethoxy)methane								<0.054	<0.057			
Bis(2-ethylhexyl)phthalate	410	31000						0.26	<0.19			
4-Bromophenyl phenyl ether								<0.054	<0.057			
Butyl benzyl phthalate	410000	930						<0.054	<0.057			
Carbazole	290	---						0.1	<0.057			
4-Chloro-3-methylphenol								<0.054	<0.057			
4-Chloroaniline	8200	---						<0.054	<0.057			
1-Chloronaphthalene								<0.054 J1	<0.057			
2-Chloronaphthalene	160000	---						<0.054 J1	<0.057			
2-Chlorophenol	10000	53000						<0.054	<0.057			
4-Chlorophenyl phenyl ether								<0.054 J1	<0.057			
Chrysene	780	---						1	<0.057			
1,2-Dichlorobenzene	180000	560						<0.054	<0.057			
1,3-Dichlorobenzene								<0.054	<0.057			
1,4-Dichlorobenzene	---	17000						<0.054	<0.057			
2,4-Dichlorophenol	6100	---						<0.054	<0.057			
Di-n-butyl phthalate	200000	2300						<0.18	<0.19			
Di-n-octyl phthalate	41000	10000						<0.18	<0.19			
1,2-Dinitrobenzene								<0.18 J1	<0.19			
1,3-Dinitrobenzene	200	---						<0.18 J1	<0.19			
1,4-Dinitrobenzene								<0.054 J1	<0.057			
2,6-Dinitrotoluene	8.4	---						<0.054 J1	<0.057			
2,4-Dinitrophenol	4100	---						<0.18 J1, O2	<0.19 O2			
2,4-Dinitrotoluene	8.4	---						<0.054 J1	<0.057			
Dibenz(a,h)anthracene	0.8	---						0.092	<0.057			
Dibenzofuran	2000	---						0.19 J1	<0.057			
3,3'-Dichlorobenzidine	13	---						<0.054	<0.057			
2,6-Dichlorophenol								<0.054	<0.057			
Diethyl phthalate	1000000	2000						<0.054 J1	<0.057			
Dimethyl phthalate	1000000	1300						<0.054 J1	<0.057			
p-Dimethylaminoazobenzene								<0.18	<0.19			
7,12-Dimethylbenzo(a)anthracene								<0.18	<0.19			
2,4-Dimethylphenol	41000	---						<0.054	<0.057			
4,6-Dinitro-2-methylphenol								<0.18	<0.19			
Diphenylamine	51000	---						<0.054	<0.057			
Fluoranthene	82000	---						1.6	<0.057			
Fluorene	82000	---						0.14 J1	<0.057			
Hexachlorobenzene								<0.054	<0.057			
Hexachlorobutadiene	2000							<0.054	<0.057			
Hexachlorocyclopentadiene								<0.18 J1	<0.19			
Hexachloroethane	2000	---						<0.054	<0.057			
Hexachloropropene								<0.054	<0.057			
Indeno(1,2,3-cd)pyrene	8	---						0.31	<0.19			
Isodrin								<0.054	<0.057			
Isophorone	410000	4600						<0.18	<0.19			
Isosafrole								<0.054	<0.057			
Mestranol								<0.18	<0.19			
Ethyl methanesulfonate								<0.054	<0.057			
Methyl methanesulfonate								<0.054	<0.057			
2-Methylnaphthalene	8200	---						0.37	<0.057			
2-Methylphenol	100000	---						<0.054	<0.057			
4-Methylphenol	200000	170000						<0.054	<0.057			
Naphthalene	41000	270						0.37	<0.057			
1-Naphthylamine								<0.18 J1	<0.19			
2-Naphthylamine								<0.18 J1	<0.19			
5-Nitroacenaphthene								<0.054	<0.057			
2-Nitroaniline	31000	28						<0.18 J1	<0.19			
3-Nitroaniline								<0.054 J1	<0.057			
4-Nitroaniline	8200	2400						<0.054 J1	<0.057			
Nitrobenzene	1000	140						<0.054	<0.057			
4-Nitrobiphenyl								<0.18	<0.19			
2-Nitrophenol								<0.18	<0.19			
4-Nitrophenol	16000	---						<0.054 J1	<0.057			
N-Nitrosodi-n-butylamine								<0.054	<0.057			
N-Nitrosodi-n-propylamine	0.8	---						<0.054	<0.057			
N-Nitrosopiperidine								<0.054	<0.057			
2,2'-Oxybis (1-chloropropane)								<0.054	<0.057			
Pentachlorobenzene	6100	---						<0.054 J1	<0.057			
Pentachloronitrobenzene								<0.054	<0.057			
Pentachlorophenol	24	---						<0.18	<0.19			
Phenacetin								<0.18	<0.19			
Phenanthrene	61000	---						1.5	<0.057			

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401
Phenol	610000	---						0.2	<0.057			
2-Picoline								<0.054	<0.057			
Pronamide								<0.054	<0.057			
Pyrene	61000	---						1.7	<0.057			
Pyridine	2000	200000						<0.18	<0.19			
Safrole								<0.054 J1	<0.057			
1,2,4,5-Tetrachlorobenzene								<0.054 J1	<0.057			
2,3,4,6-Tetrachlorophenol								<0.054 J1	<0.057			
1,2,4-Trichlorobenzene	20000	3200						<0.054	<0.057			
2,4,5-Trichlorophenol	200000	---						<0.054 J1	<0.057			
2,4,6-Trichlorophenol	520	390						<0.054 J1	<0.057			
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6						<0.0056 J1	<0.006			
alpha-BHC	0.9	1.5						0.0033 J1	<0.0024			
beta-BHC								<0.0056 J1	<0.006			
delta-BHC								<0.0056 J1	<0.006			
gamma-BHC	4	---						<0.0056 J1	<0.006			
alpha-Chlordane	16	140						<0.0056 J1	<0.006			
gamma-Chlordane	16	140						<0.0056 J1	<0.006			
Dieldrin	0.4	2.2						0.0089 J1	<0.0024			
p,p'-DDT	17	1500						<0.0056 J1	<0.006			
p,p'-DDD	24	---						<0.0056 J1	<0.006			
p,p'-DDE	17	---						0.01 J1	<0.006			
Endosulfan I	12000	---						<0.0056 J1	<0.006			
Endosulfan II								<0.0056 J1	<0.006			
Endosulfan sulfate								<0.0056 J1	<0.006			
Endrin	610	---						<0.0056 J1	<0.006			
Endrin aldehyde								<0.0056 J1	<0.006			
Endrin ketone								0.014 J1	<0.006			
Heptachlor	1	11						<0.0056 J1	<0.006			
Heptachlor epoxide	0.6	9.2						<0.0056 J1	<0.006			
Methoxychlor	10000	---						<0.0056 J1	<0.006			
Toxaphene	5.2	170						<0.11 J1	<0.12			
Aroclor 1016	1							<0.011 I, J1	<0.012			
Aroclor 1221	1							<0.011 I, J1	<0.012			
Aroclor 1232	1							<0.011 I, J1	<0.012			
Aroclor 1242	1							<0.011 I, J1	<0.012			
Aroclor 1248	1							<0.011 I, J1	<0.012			
Aroclor 1254	1							0.31 I, J1	<0.012			
Aroclor 1260	1							<0.011 I, J1	<0.012			
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12							10.2 I, Q	9.2 I, Q			

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371	22I1080-14 SB11 9-12 Soil 9/26/2022 6:10 PM 87.01299	22I1136-01 SB12 9-11 Soil 9/27/2022 9:00 AM 91.97225	22I1136-02 SB12 8.5-10.5 Soil 9/27/2022 9:15 AM 85.54337	22I1136-03 SB13 6-9 Soil 9/27/2022 9:40 AM 94.86405	22I1136-07 SB13 9-11 Soil 9/27/2022 9:55 AM 86.14158	22I1136-11 SB14 3.5-5 Soil 9/27/2022 10:20 AM 84.77612
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		44600	15100	7600	12500	36500	5990	39600	10600	12100
Antimony	820.00	---		48.6 B2	4.36 B2	13.2 B2	2.62 B2	45.5 B2	3.25 B2	36.5 B2	3.84 B2	12.7 B2, I, J3
Arsenic	13.00	1200.00		13.3	15.1	12.0 B2	11.4 B2	18	6.25 B2	13.5	7.89 B2	14.8
Barium	140000.00	910000.00		763	45.1	137	49.4	713 I	17.8 I	654 I	47.1 I	179 J3
Beryllium	4100.00	2100.00		62	<0.25	0.74	<0.23	66.1	<0.23	122	<0.23	2.95
Boron	410000.00	---		627 B1	222 B1	39.7 B1	21.0 B1	980 B1, I	38.2 B1, I	5270 B1, I	33.5 B1, I	79.3 B1, J3
Cadmium	2000.00	2800.00		37.8 B2	14.6 B2	12.3 B2	4.89 B2	37.7 B2	3.26 B2	30.6 B2	8.10 B2	14.9 B2, J3
Calcium	---	---		37000	16500	12800	61400	34200 I	45400 I	22900 I	62800 I	67100
Chromium	6100.00	420.00		192	24	25.4	19	170	11.1	104	17.4	30.7
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		84.8	8.47	8.12	10.6	71	5.42	78.7	9.14	13.5 I, J3
Copper	82000.00	---		<21.7	87.2	3360	49.5	16700 I	42.4 I	14300 I	30.2 I	2180 J3
Cyanide (amenable)	41000.00	---										
Cyanide				<0.031	<0.036	0.104	<0.032	<0.032	<0.032	<0.031	<0.036	0.048
Hardness												
Iron	---	---		167000	18700	26400	20000	138000 I	11200 I	142000 I	16600 I	34200
Lead	800.00	---		10800	51.6	1610	15.4	8850	27.0 I	5660	12.1 I	2100
Magnesium	---	---		9140	12300	5380	31700	9110	27000	10000	29600	31400
Manganese	41000.00	91000.00		4960	189	323	480	4270 I	295 I	5690 I	456 I	739 I
Mercury	610.00	16.00		0.03	0.02	0.12	0.01	0.04	0.007	<0.005	0.01	0.13 J3
Nickel	41000.00	21000.00		820	24.8	52.1	26.4	683	15	712	22.1	72.0 I, J3
Potassium	---	---		3410	3630	981	3880	3110	1710	2370	3180	1910
Selenium	10000.00	---		22.8 B2	14.0 B2	14.9 B2	<2.30 B2	24.9	25	34.1	<2.28	<2.36 B2, I
Silver	10000.00	---		2.8	<0.62	1.59	<0.57	3.01	0.67	2.49	0.73	1.14
Sodium	---	---		16400	5560	1420	412	18600	1530	41600	403	2070
Strontium	1000000.00	---		175	33.2	46.3	48.3	160	18.3	119	41.7	72.3 J3
Thallium	160.00	---		25.2 B2	4.55 B2	<2.54 B2	2.35 B2	13.7 B2	<2.34 B2	12.5 B2	<2.28 B2	<2.36 B2, J3
Vanadium	14000.00	---		28.5 B1	25.7 B1	11.1 B1	21.3 B1	29.4 I	14.4 I	27.9 I	21.8 I	20.7 B1, I
Zinc	610000.00	---		122000	1690	9910	136	109000	642	135000	1660	17700 J3
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000			<0.0051	<0.0057	<0.0043	<0.0045	0.0095	<0.0043	<0.0044	0.0059
Benzene	100	1.6			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Bromobenzene	16000	810			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Bromochloroethene												
Bromochloromethane					<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Bromodichloromethane	92	3000			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Bromoform	720	100			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Bromomethane	2900	15			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
2-Butanone (MEK)	1000000	25000			<0.0051	<0.0057	<0.0043	<0.0045	0.0053	<0.0043	<0.0044	<0.0048
Carbon Disulfide	200000	720			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Carbon tetrachloride	44	0.64			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Chlorobenzene	41000	210			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Chloroethane	---	1500			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Chloroform	940	0.54			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Chloromethane	---	170			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Dibromochloromethane	92	3000			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,2-Dibromoethane					<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Dibromomethane					<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,1-Dichloroethane	200000	1700			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,2-Dichloroethane	63	0.7			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,1-Dichloroethene					<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
cis-1,2-Dichloroethene	20000	1200			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
trans-1,2-Dichloroethene	41000	3100			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,1-Dichloropropene					<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,2-Dichloropropane	84	23			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,3-Dichloropropane	41000	1000			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
2,2-Dichloropropane					<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
cis-1,3-Dichloropropene	57	2.1			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
trans-1,3-Dichloropropene	57	2.1			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Ethylbenzene	200000	400			<0.002	<0.0023	<0.0017	<0.0018	0.0073	<0.0017	<0.0018	<0.0019
2-Hexanone (MBK)	10000	720			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Methylene Chloride	760	24			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Methyl tert-butyl ether	20000	8800			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
4-Methyl-2pentanone (MIBK)	---	340			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Stryene	410000	1500			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Tetrachloroethene	110	20			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Trichlorofluoromethane	61000	1400			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Toluene	410000	650			<0.002	<0.0023	<0.0017	<0.0018	0.0078	<0.0017	<0.0018	<0.0019
1,1,1-Trichloroethane	---	1200			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,1,2-Trichloroethane	8200	1800			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,2,3-Trichloropropane	0.19	5			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Trichloroethene	520	8.9			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Vinyl chloride	7.9	1.1			<0.002	<0.0023	<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019
Xylenes, Total	410000	320			<0.002	<0.0023	<0.0017	<0.0018	0.039	<0.0017	<0.0018	<0.0019

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample #	22I1080-09	22I1080-10	22I1080-11	22I1080-14	22I1136-01	22I1136-02	22I1136-03	22I1136-07	22I1136-11
			Sample Name	SB10 6-7	SB10 9-11	SB11 4-7	SB11 9-12	SB12 9-11	SB12 8.5-10.5	SB13 6-9	SB13 9-11	SB14 3.5-5
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	5:40 PM	5:50 PM	6:00 PM	6:10 PM	9:00 AM	9:15 AM	9:40 AM	9:55 AM	10:20 AM
			% Solids	92.33068	79.25851	78.76371	87.01299	91.97225	85.54337	94.86405	86.14158	84.77612
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---										
Acenaphthylene	61000	---										
Acetophenone												
Anthracene	610000	---										
Azobenzene												
Benzo(a)anthracene	8	---										
Benzo(b)fluoranthene	8	---										
Benzo(k)fluoranthene	78	---										
Benzo(g,h,i)perylene	61000	---										
Benzo(a)pyrene	0.8	---										
Bis(2-chloroethyl)ether	5	0.47										
Bis(2-chloroethoxy)methane												
Bis(2-ethylhexyl)phthalate	410	31000										
4-Bromophenyl phenyl ether												
Butyl benzyl phthalate	410000	930										
Carbazole	290	---										
4-Chloro-3-methylphenol												
4-Chloroaniline	8200	---										
1-Chloronaphthalene												
2-Chloronaphthalene	160000	---										
2-Chlorophenol	10000	53000										
4-Chlorophenyl phenyl ether												
Chrysene	780	---										
1,2-Dichlorobenzene	180000	560										
1,3-Dichlorobenzene												
1,4-Dichlorobenzene	---	17000										
2,4-Dichlorophenol	6100	---										
Di-n-butyl phthalate	200000	2300										
Di-n-octyl phthalate	41000	10000										
1,2-Dinitrobenzene												
1,3-Dinitrobenzene	200	---										
1,4-Dinitrobenzene												
2,6-Dinitrotoluene	8.4	---										
2,4-Dinitrophenol	4100	---										
2,4-Dinitrotoluene	8.4	---										
Dibenz(a,h)anthracene	0.8	---										
Dibenzofuran	2000	---										
3,3'-Dichlorobenzidine	13	---										
2,6-Dichlorophenol												
Diethyl phthalate	1000000	2000										
Dimethyl phthalate	1000000	1300										
p-Dimethylaminoazobenzene												
7,12-Dimethylbenzo(a)anthracene												
2,4-Dimethylphenol	41000	---										
4,6-Dinitro-2-methylphenol												
Diphenylamine	51000	---										
Fluoranthene	82000	---										
Fluorene	82000	---										
Hexachlorobenzene												
Hexachlorobutadiene	2000											
Hexachlorocyclopentadiene												
Hexachloroethane	2000	---										
Hexachloropropene												
Indeno(1,2,3-cd)pyrene	8	---										
Isodrin												
Isophorone	410000	4600										
Isosafrole												
Mestranol												
Ethyl methanesulfonate												
Methyl methanesulfonate												
2-Methylnaphthalene	8200	---										
2-Methylphenol	100000	---										
4-Methylphenol	200000	170000										
Naphthalene	41000	270										
1-Naphthylamine												
2-Naphthylamine												
5-Nitroacenaphthene												
2-Nitroaniline	31000	28										
3-Nitroaniline												
4-Nitroaniline	8200	2400										
Nitrobenzene	1000	140										
4-Nitrobiphenyl												
2-Nitrophenol												
4-Nitrophenol	16000	---										
N-Nitrosodi-n-butylamine												
N-Nitrosodi-n-propylamine	0.8	---										
N-Nitrosopiperidine												
2,2'-Oxybis (1-chloropropane)												
Pentachlorobenzene	6100	---										
Pentachloronitrobenzene												
Pentachlorophenol	24	---										
Phenacetin												
Phenanthrene	61000	---										

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371	22I1080-14 SB11 9-12 Soil 9/26/2022 6:10 PM 87.01299	22I1136-01 SB12 9-11 Soil 9/27/2022 9:00 AM 91.97225	22I1136-02 SB12 8.5-10.5 Soil 9/27/2022 9:15 AM 85.54337	22I1136-03 SB13 6-9 Soil 9/27/2022 9:40 AM 94.86405	22I1136-07 SB13 9-11 Soil 9/27/2022 9:55 AM 86.14158	22I1136-11 SB14 3.5-5 Soil 9/27/2022 10:20 AM 84.77612
Phenol	610000	---										
2-Picoline												
Pronamide												
Pyrene	61000	---										
Pyridine	2000	200000										
Safrole												
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol												
1,2,4-Trichlorobenzene	20000	3200										
2,4,5-Trichlorophenol	200000	---										
2,4,6-Trichlorophenol	520	390										
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6										
alpha-BHC	0.9	1.5										
beta-BHC												
delta-BHC												
gamma-BHC	4	---										
alpha-Chlordane	16	140										
gamma-Chlordane	16	140										
Dieldrin	0.4	2.2										
p,p'-DDT	17	1500										
p,p'-DDD	24	---										
p,p'-DDE	17	---										
Endosulfan I	12000	---										
Endosulfan II												
Endosulfan sulfate												
Endrin	610	---										
Endrin aldehyde												
Endrin ketone												
Heptachlor	1	11										
Heptachlor epoxide	0.6	9.2										
Methoxychlor	10000	---										
Toxaphene	5.2	170										
Aroclor 1016	1											
Aroclor 1221	1											
Aroclor 1232	1											
Aroclor 1242	1											
Aroclor 1248	1											
Aroclor 1254	1											
Aroclor 1260	1											
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12											

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids									
			Lab Sample #	22I1136-12	23I0387-02	23I0387-03	22I1136-08	22I1136-06	22I1136-10	23I0395-09	23I0387-01	22I1136-13
			Sample Name	SB14 8-10	SB-14E (3-5)	SB-14E (10-12)	SB15 1-4	SB15 5-6	SB15 9-12	SB-15E (6-8)	SB-15E (14-16)	SB16 4-6
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/12/2023	9/12/2023	9/27/2022	9/27/2022	9/27/2022	9/12/2023	9/12/2023	9/27/2022
			Time sampled	10:30 AM	1:25 PM	1:40 PM	10:10 AM	9:50 AM	10:00 AM	12:05 PM	12:40 PM	10:40 AM
			% Solids	83.61303	88.6256	83.53294	86.54038	83.06613	84.04786	85.79881	86.86964	82.58707
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		11200	43200	10000	8830	27400	10400	15600	12100	10400
Antimony	820.00	---		12.8 B2	0.135	<0.010	3.95 B2	34.2 B2	8.93 B2	0.084	<0.010	45.3 B2
Arsenic	13.00	1200.00		12.7 B2	<0.010 B1, J7	<0.010 B1, J7	9.04 B2	22.8	14.3	<0.010 B1, J7	<0.010 B1, J7	25.2
Barium	140000.00	910000.00		41.8	0.593	0.324	48.2 I	417 I	60.6 I	1.25	0.816	129
Beryllium	4100.00	2100.00		<0.24	<0.001	<0.001	1.1	17.6	<0.24	0.006	<0.001	5.11
Boron	410000.00	---		22.9 B1	1120	32.4	77.4 B1, I	1120 B1, I	19.3 B1, I	519	30	286 B1
Cadmium	2000.00	2800.00		22.6 B2	1.57 B2	0.011 B2	3.93 B2	55.4 B2	11.1 B2	1.84 B2	<0.005 B2	117 B2
Calcium	---	---		41500	39600	92700	83500 I	27400 I	54300 I	57200	77800	38000
Chromium	6100.00	420.00		18.9	<0.005	<0.005	13.8	170	16.7	<0.005	<0.005	29.1
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		9.67	76.1	8.63	7.9	31.6	16.8	16	12.1	22.4
Copper	82000.00	---		37.3	18900	24.6	298 I	8650 I	40.2 I	10900	36.2	1250
Cyanide (amenable)	41000.00	---										
Cyanide				0.041	<0.032 V	<0.035 V	<0.034	<0.036	<0.036	0.038 V	<0.034 V	0.166
Hardness												
Iron	---	---		19500	179000	16200	14700 I	126000 I	20000 I	49700	17900	21600
Lead	800.00	---		42	36.8	0.012	199 I	7970	19.6 I	11.3	0.019	2440
Magnesium	---	---		26300	8450	23400	39700	6970	33700	24400	37600	13400
Manganese	41000.00	91000.00		458	4830	413	445 I	2780 I	765 I	912	483	1100
Mercury	610.00	16.00		0.03 J3	0.03 J3	0.01	0.13	0.41	0.01	0.17	0.02	0.05
Nickel	41000.00	21000.00		26.4	0.147	0.007	24.6	216	25.7	0.248	0.101	55.3
Potassium	---	---		3190	3970	3210	2000	2700	2990	2150	4220	1010
Selenium	10000.00	---		8.56 B2	0.099 J6, V	<0.025 J5	<2.31	23.6	5.79	0.053 J6	<0.025 J5	3.03 B2
Silver	10000.00	---		<0.60	<0.003	0.005	1.3	3.66	0.78	<0.003	0.005	1.73
Sodium	---	---		494	20300	331	--- 696	9780	264	4310	277	1770
Strontium	1000000.00	---		50.6	179	93.5	45.5	147	26.8	73.6	51.7	127
Thallium	160.00	---		<2.39 B2	<0.025 B1	<0.025 B1	<2.31 B2	10.3 B2	<2.38 B2	<0.025 B1	<0.025 B1	<2.42 B2
Vanadium	14000.00	---		23.4 B1	<0.005	<0.005	18.9 I	31.6 I	20.7 I	<0.005	<0.005	20.3 B1
Zinc	610000.00	---		33600	691	0.147	1840	68700	16100	376	0.588	34500
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.0064	0.0095	<0.0047	<0.0045		0.0073	0.024	<0.0042	
Benzene	100	1.6		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Bromobenzene	16000	810		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Bromochloroethene												
Bromochloromethane				<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Bromodichloromethane	92	3000		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Bromoform	720	100		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Bromomethane	2900	15		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
2-Butanone (MEK)	1000000	25000		<0.0046	<0.0045	<0.0047	<0.0045		<0.0046	<0.0056	<0.0042	
Carbon Disulfide	200000	720		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Carbon tetrachloride	44	0.64		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Chlorobenzene	41000	210		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Chloroethane	---	1500		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Chloroform	940	0.54		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Chloromethane	---	170		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Dibromochloromethane	92	3000		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,2-Dibromoethane				<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Dibromomethane				<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,1-Dichloroethane	200000	1700		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,2-Dichloroethane	63	0.7		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,1-Dichloroethene				<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
cis-1,2-Dichloroethene	20000	1200		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
trans-1,2-Dichloroethene	41000	3100		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,1-Dichloropropene				<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,2-Dichloropropane	84	23		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,3-Dichloropropane	41000	1000		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
2,2-Dichloropropane				<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
cis-1,3-Dichloropropene	57	2.1		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
trans-1,3-Dichloropropene	57	2.1		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Ethylbenzene	200000	400		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
2-Hexanone (MBK)	10000	720		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Methylene Chloride	760	24		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Methyl tert-butyl ether	20000	8800		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
4-Methyl-2pentanone (MIBK)	---	340		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Stryene	410000	1500		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Tetrachloroethene	110	20		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Trichlorofluoromethane	61000	1400		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Toluene	410000	650		<0.0019	0.0038	0.0025	<0.0018		<0.0018	0.0039	0.0024	
1,1,1-Trichloroethane	---	1200		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,1,2-Trichloroethane	8200	1800		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,2,3-Trichloropropane	0.19	5		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,1,1,2-Tetrachloroethane	61000	2100		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0019	0.0032	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Trichloroethene	520	8.9		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Vinyl chloride	7.9	1.1		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	
Xylenes, Total	410000	320		<0.0019	<0.0018	<0.0019	<0.0018		<0.0018	<0.0023	<0.0017	

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-12 SB14 8-10 Soil 9/27/2022 10:30 AM 83.61303	23I0387-02 SB-14E (3-5) Soil 9/12/2023 1:25 PM 88.6256	23I0387-03 SB-14E (10-12) Soil 9/12/2023 1:40 PM 83.53294	22I1136-08 SB15 1-4 Soil 9/27/2022 10:10 AM 86.54038	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---			<0.055	<0.059				0.98	<0.054	
Acenaphthylene	61000	---			<0.055	<0.059				<0.055	<0.054	
Acetophenone					<0.055	<0.059				<0.055	<0.054	
Anthracene	610000	---			<0.055	<0.059				1.6	<0.054	
Azobenzene					<0.055	<0.059				<0.055	<0.054	
Benzo(a)anthracene	8	---			<0.055	<0.059				1.2	<0.054	
Benzo(b)fluoranthene	8	---			<0.055	<0.059				0.45	<0.054	
Benzo(k)fluoranthene	78	---			<0.055	<0.059				0.13	<0.054	
Benzo(g,h,i)perylene	61000	---			<0.055	<0.059				0.5	<0.054	
Benzo(a)pyrene	0.8	---			0.16	<0.059				0.71	<0.054	
Bis(2-chloroethyl)ether	5	0.47			<0.055	<0.059				<0.055	<0.054	
Bis(2-chloroethoxy)methane					<0.055	<0.059				<0.055	<0.054	
Bis(2-ethylhexyl)phthalate	410	31000			<0.19	<0.2				<0.19	<0.18	
4-Bromophenyl phenyl ether					<0.055	<0.059				<0.055	<0.054	
Butyl benzyl phthalate	410000	930			<0.055	<0.059				<0.055	<0.054	
Carbazole	290	---			<0.055	<0.059				<0.055	<0.054	
4-Chloro-3-methylphenol					<0.055	<0.059				<0.055	<0.054	
4-Chloroaniline	8200	---			<0.055	<0.059				<0.055	<0.054	
1-Chloronaphthalene					<0.055	<0.059				<0.055	<0.054	
2-Chloronaphthalene	160000	---			<0.055	<0.059				<0.055	<0.054	
2-Chlorophenol	10000	53000			<0.055	<0.059				<0.055	<0.054	
4-Chlorophenyl phenyl ether					<0.055	<0.059				<0.055	<0.054	
Chrysene	780	---			0.42	<0.059				1.8	<0.054	
1,2-Dichlorobenzene	180000	560			<0.055	<0.059				<0.055	<0.054	
1,3-Dichlorobenzene					<0.055	<0.059				<0.055	<0.054	
1,4-Dichlorobenzene	---	17000			<0.055	<0.059				<0.055	<0.054	
2,4-Dichlorophenol	6100	---			<0.055	<0.059				<0.055	<0.054	
Di-n-butyl phthalate	200000	2300			<0.19	<0.2				<0.19	<0.18	
Di-n-octyl phthalate	41000	10000			<0.19	<0.2				<0.19	<0.18	
1,2-Dinitrobenzene					<0.19	<0.2				<0.19	<0.18	
1,3-Dinitrobenzene	200	---			<0.19	<0.2				<0.19	<0.18	
1,4-Dinitrobenzene					<0.055	<0.059				<0.055	<0.054	
2,6-Dinitrotoluene	8.4	---			<0.055	<0.059				<0.055	<0.054	
2,4-Dinitrophenol	4100	---			<0.19 O2	<0.2 O2				<0.19	<0.18 O2	
2,4-Dinitrotoluene	8.4	---			<0.055	<0.059				<0.055	<0.054	
Dibenz(a,h)anthracene	0.8	---			<0.055	<0.059				<0.055	<0.054	
Dibenzofuran	2000	---			<0.055	<0.059				<0.055	<0.054	
3,3'-Dichlorobenzidine	13	---			<0.055	<0.059				<0.055	<0.054	
2,6-Dichlorophenol					<0.055	<0.059				<0.055	<0.054	
Diethyl phthalate	1000000	2000			<0.055	<0.059				<0.055	<0.054	
Dimethyl phthalate	1000000	1300			<0.055	<0.059				<0.055	<0.054	
p-Dimethylaminoazobenzene					<0.19	<0.2				<0.19	<0.18	
7,12-Dimethylbenzo(a)anthracene					<0.19	<0.2				<0.19	<0.18	
2,4-Dimethylphenol	41000	---			<0.055	<0.059				<0.055	<0.054	
4,6-Dinitro-2-methylphenol					<0.19	<0.2				<0.19	<0.18	
Diphenylamine	51000	---			<0.055	<0.059				<0.055	<0.054	
Fluoranthene	82000	---			0.19	<0.059				0.65	<0.054	
Fluorene	82000	---			<0.055	<0.059				0.21	<0.054	
Hexachlorobenzene					<0.055	<0.059				<0.055	<0.054	
Hexachlorobutadiene	2000				<0.055	<0.059				<0.055	<0.054	
Hexachlorocyclopentadiene					<0.19	<0.2				<0.19	<0.18	
Hexachloroethane	2000	---			<0.055	<0.059				<0.055	<0.054	
Hexachloropropene					<0.055	<0.059				<0.055	<0.054	
Indeno(1,2,3-cd)pyrene	8	---			<0.19	<0.2				0.23	<0.18	
Isodrin					<0.055	<0.059				<0.055	<0.054	
Isophorone	410000	4600			<0.19	<0.2				<0.19	<0.18	
Isosafrole					<0.055	<0.059				<0.055	<0.054	
Mestranol					<0.19	<0.2				<0.19	<0.18	
Ethyl methanesulfonate					<0.055	<0.059				<0.055	<0.054	
Methyl methanesulfonate					<0.055	<0.059				<0.055	<0.054	
2-Methylnaphthalene	8200	---			0.071	<0.059				1.1	<0.054	
2-Methylphenol	100000	---			<0.055	<0.059				<0.055	<0.054	
4-Methylphenol	200000	170000			<0.055	<0.059				<0.055	<0.054	
Naphthalene	41000	270			<0.055	<0.059				0.39	<0.054	
1-Naphthylamine					<0.19	<0.2				<0.19	<0.18	
2-Naphthylamine					<0.19	<0.2				<0.19	<0.18	
5-Nitroacenaphthene					<0.055	<0.059				<0.055	<0.054	
2-Nitroaniline	31000	28			<0.19	<0.2				<0.19	<0.18	
3-Nitroaniline					<0.055	<0.059				<0.055	<0.054	
4-Nitroaniline	8200	2400			<0.055	<0.059				<0.055	<0.054	
Nitrobenzene	1000	140			<0.055	<0.059				<0.055	<0.054	
4-Nitrobiphenyl					<0.19	<0.2				<0.19	<0.18	
2-Nitrophenol					<0.19	<0.2				<0.19	<0.18	
4-Nitrophenol	16000	---			<0.055	<0.059				<0.055	<0.054	
N-Nitrosodi-n-butylamine					<0.055	<0.059				<0.055	<0.054	
N-Nitrosodi-n-propylamine	0.8	---			<0.055	<0.059				<0.055	<0.054	
N-Nitrosopiperidine					<0.055	<0.059				<0.055	<0.054	
2,2'-Oxybis (1-chloropropane)					<0.055	<0.059				<0.055	<0.054	
Pentachlorobenzene	6100	---			<0.055	<0.059				<0.055	<0.054	
Pentachloronitrobenzene					<0.055	<0.059				<0.055	<0.054	
Pentachlorophenol	24	---			<0.19	<0.2				<0.19	<0.18	
Phenacetin					<0.19	<0.2				<0.19	<0.18	
Phenanthrene	61000	---			0.23	<0.059				1.4	<0.054	

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-12 SB14 8-10 Soil 9/27/2022 10:30 AM 83.61303	23I0387-02 SB-14E (3-5) Soil 9/12/2023 1:25 PM 88.6256	23I0387-03 SB-14E (10-12) Soil 9/12/2023 1:40 PM 83.53294	22I1136-08 SB15 1-4 Soil 9/27/2022 10:10 AM 86.54038	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707
Phenol	610000	---			<0.055	<0.059				<0.055	<0.054	
2-Picoline					<0.055	<0.059				<0.055	<0.054	
Pronamide					<0.055	<0.059				<0.055	<0.054	
Pyrene	61000	---			0.29	<0.059				2.8	<0.054	
Pyridine	2000	200000			<0.19	<0.2				<0.19	<0.18	
Safrole					<0.055	<0.059				<0.055	<0.054	
1,2,4,5-Tetrachlorobenzene					<0.055	<0.059				<0.055	<0.054	
2,3,4,6-Tetrachlorophenol					<0.055	<0.059				<0.055	<0.054	
1,2,4-Trichlorobenzene	20000	3200			<0.055	<0.059				<0.055	<0.054	
2,4,5-Trichlorophenol	200000	---			<0.055	<0.059				<0.055	<0.054	
2,4,6-Trichlorophenol	520	390			<0.055	<0.059				<0.055	<0.054	
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6			<0.0053 J1	<0.0058				<0.0058	<0.0053	
alpha-BHC	0.9	1.5			<0.0021 J1	<0.0023				<0.0023	<0.0021	
beta-BHC					<0.0053 J1	<0.0058				<0.0058	<0.0053	
delta-BHC					<0.0053 J1	<0.0058				0.025 O1	<0.0053	
gamma-BHC	4	---			<0.0053 J1	<0.0058				<0.0058	<0.0053	
alpha-Chlordane	16	140			<0.0053 J1	<0.0058				<0.0058	<0.0053	
gamma-Chlordane	16	140			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Dieldrin	0.4	2.2			<0.0021 J1	<0.0023				<0.0023	<0.0021	
p,p'-DDT	17	1500			<0.0053 J1	<0.0058				<0.0058	<0.0053	
p,p'-DDD	24	---			<0.0053 J1	<0.0058				<0.0058	<0.0053	
p,p'-DDE	17	---			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Endosulfan I	12000	---			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Endosulfan II					<0.0053 J1	<0.0058				<0.0058	<0.0053	
Endosulfan sulfate					<0.0053 J1	<0.0058				<0.0058	<0.0053	
Endrin	610	---			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Endrin aldehyde					<0.0053 J1	<0.0058				<0.0058	<0.0053	
Endrin ketone					0.0093 J1	<0.0058				0.017	<0.0053	
Heptachlor	1	11			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Heptachlor epoxide	0.6	9.2			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Methoxychlor	10000	---			<0.0053 J1	<0.0058				<0.0058	<0.0053	
Toxaphene	5.2	170			<0.11 J1	<0.12				<0.12	<0.11	
Aroclor 1016	1				<0.011 J1	<0.012				<0.012	<0.011	
Aroclor 1221	1				<0.011 J1	<0.012				<0.012	<0.011	
Aroclor 1232	1				<0.011 J1	<0.012				<0.012	<0.011	
Aroclor 1242	1				<0.011 J1	<0.012				<0.012	<0.011	
Aroclor 1248	1				<0.011 J1	<0.012				<0.012	<0.011	
Aroclor 1254	1				<0.011 J1	<0.012				<0.012	<0.011	
Aroclor 1260	1				<0.011 J1	<0.012				<0.012	<0.011	
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12				8.9 I, Q	8.2 I, Q				9.2 I, Q	8.6 I, Q	

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		16300	7900	11000	2900	10400	13700	14100	25000	12100
Antimony	820.00	---		5.75 B2	2.89 B2	3.52 B2	<2.21 B2	<2.49 B2	19.7 B2	3.87 B2	30.4 B2	2.84 B2
Arsenic	13.00	1200.00		10.3 B2	9.22 B2	10.8 B2	4.29 B2	5.80 B2	18.3	11.3 B2	15.1	5.98 B2
Barium	140000.00	910000.00		86.5	49.8	44.4	14	35.6	246	47.7	2300	41.4
Beryllium	4100.00	2100.00		<0.26	<0.23	0.4	<0.22	<0.25	31.7	<0.26	<0.23	<0.25
Boron	410000.00	---		15.6 B1	27.9 B1	33.8 B1	7.75 B1	14.9 B1	1420 B1	35.8 B1	87.7 B1	16.1 B1
Cadmium	2000.00	2800.00		9.70 B2	4.01 B2	3.65 B2	2.62 B2	4.49 B2	23.8 B2	6.35 B2	21.8 B2	3.69 B2
Calcium	---	---		8290	78900	60100	50700	69500	15000	61200	35400	57500
Chromium	6100.00	420.00		24.7	13.1	14.5	5.82	17	36.8	22.6	38.8	18.9
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		8.77	8.27	7.68	3.7	10.1	31.1	10.8	15.4	7.94
Copper	82000.00	---		38.5	69.6	110	130	18.7	4930	27.5	5840	19.9
Cyanide (amenable)	41000.00	---										
Cyanide				0.172	<0.032 V	<0.034 V		<0.036 V		<0.033 V	<0.033 V	<0.034 V
Hardness												
Iron	---	---		17400	15100	15400	7940	18600	48700	19700	115000	15900
Lead	800.00	---		83	188	65	64.8	9.16	3460	12.9	7270	10.1
Magnesium	---	---		8450	35900	27100	22800	35500	6190	37400	10300	34100
Manganese	41000.00	91000.00		244	485	458	308	543	1700	855	1230	456
Mercury	610.00	16.00		0.03	0.03	0.13	0.03	0.01	0.15	0.01	0.1	0.01
Nickel	41000.00	21000.00		27.7	27.1	22	9.06	24.7	221	28.9	58.7	21.5
Potassium	---	---		2570	2160	2410	822	3290	978	4320	3120	3780
Selenium	10000.00	---		<2.59 B2	<2.28 B2	3.46 B2	<2.21 B2	3.73 B2	10.1 B2	4.51 B2	9.97 B2	<2.47 B2
Silver	10000.00	---		<0.65	<0.57	<0.55	0.65	<0.62	3.13	<0.66	<0.57	<0.62
Sodium	---	---		286	843	1030	237	296	9140	370	2450	<247
Strontium	1000000.00	---		22.8	40.3	39	27.2	48.2	78.7	51.1	129	56.2
Thallium	160.00	---		<2.59 B2	<2.28 B2	<2.20 B2	<2.21 B2	<2.49 B2	<2.18 B2	<2.62 B2	12.1 B2	<2.47 B2
Vanadium	14000.00	---		27.2 B1	18.9	23.8	10.1	18.9	25.1	24.9	35.9	22.7
Zinc	610000.00	---		2780	575	686	807	146	48900	381	32300	57.6
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.007	0.013	<0.0043		0.0057		<0.0052	0.0047	<0.0057
Benzene	100	1.6		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Bromobenzene	16000	810		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Bromochloroethene												
Bromochloromethane				<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Bromodichloromethane	92	3000		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Bromoform	720	100		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Bromomethane	2900	15		<0.0021	<0.0019 J3	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
2-Butanone (MEK)	1000000	25000		<0.0052	<0.0047	<0.0043		<0.0049		<0.0052	<0.0045	<0.0057
Carbon Disulfide	200000	720		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Carbon tetrachloride	44	0.64		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Chlorobenzene	41000	210		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Chloroethane	---	1500		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Chloroform	940	0.54		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Chloromethane	---	170		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Dibromochloromethane	92	3000		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,2-Dibromoethane				<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Dibromomethane				<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1-Dichloroethane	200000	1700		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,2-Dichloroethane	63	0.7		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1-Dichloroethene				<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
cis-1,2-Dichloroethene	20000	1200		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
trans-1,2-Dichloroethene	41000	3100		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1-Dichloropropene				<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,2-Dichloropropane	84	23		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,3-Dichloropropane	41000	1000		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
2,2-Dichloropropane				<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
cis-1,3-Dichloropropene	57	2.1		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
trans-1,3-Dichloropropene	57	2.1		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Ethylbenzene	200000	400		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
2-Hexanone (MBK)	10000	720		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Methylene Chloride	760	24		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Methyl tert-butyl ether	20000	8800		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
4-Methyl-2pentanone (MIBK)	---	340		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Stryene	410000	1500		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Tetrachloroethene	110	20		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Trichlorofluoromethane	61000	1400		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Toluene	410000	650		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1,1-Trichloroethane	---	1200		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1,2-Trichloroethane	8200	1800		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,2,3-Trichloropropane	0.19	5		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1,1,2-Tetrachloroethane	61000	2100		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0021	<0.0019 J3	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Trichloroethene	520	8.9		<0.0021	<0.0019 J3	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Vinyl chloride	7.9	1.1		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023
Xylenes, Total	410000	320		<0.0021	<0.0019	<0.0017		<0.002		<0.0021	<0.0018	<0.0023

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample #	22I1136-14	22I1132-01	22I1132-04	22I1132-03	22I1132-02	22I1132-07	22I1132-08	22I1132-10	22I1132-12
			Sample Name	SB16 9-12	SB17 5-7	SB18 0-4	SB18 6-7	SB18 10-12	SB19 5.5-7	SB19 8-10	SB20 6-10	SB20 10-12
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	10:45 AM	11:10 AM	11:45 AM	11:40 AM	11:30 AM	11:50 AM	12:00 PM	12:20 PM	12:30 PM
			% Solids	77.33598	87.67535	89.25373	87.09037	80.30888	89.87976	77.8335	89.67229	82.68269
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---										
Acenaphthylene	61000	---										
Acetophenone												
Anthracene	610000	---										
Azobenzene												
Benzo(a)anthracene	8	---										
Benzo(b)fluoranthene	8	---										
Benzo(k)fluoranthene	78	---										
Benzo(g,h,i)perylene	61000	---										
Benzo(a)pyrene	0.8	---										
Bis(2-chloroethyl)ether	5	0.47										
Bis(2-chloroethoxy)methane												
Bis(2-ethylhexyl)phthalate	410	31000										
4-Bromophenyl phenyl ether												
Butyl benzyl phthalate	410000	930										
Carbazole	290	---										
4-Chloro-3-methylphenol												
4-Chloroaniline	8200	---										
1-Chloronaphthalene												
2-Chloronaphthalene	160000	---										
2-Chlorophenol	10000	53000										
4-Chlorophenyl phenyl ether												
Chrysene	780	---										
1,2-Dichlorobenzene	180000	560										
1,3-Dichlorobenzene												
1,4-Dichlorobenzene	---	17000										
2,4-Dichlorophenol	6100	---										
Di-n-butyl phthalate	200000	2300										
Di-n-octyl phthalate	41000	10000										
1,2-Dinitrobenzene												
1,3-Dinitrobenzene	200	---										
1,4-Dinitrobenzene												
2,6-Dinitrotoluene	8.4	---										
2,4-Dinitrophenol	4100	---										
2,4-Dinitrotoluene	8.4	---										
Dibenz(a,h)anthracene	0.8	---										
Dibenzofuran	2000	---										
3,3'-Dichlorobenzidine	13	---										
2,6-Dichlorophenol												
Diethyl phthalate	1000000	2000										
Dimethyl phthalate	1000000	1300										
p-Dimethylaminoazobenzene												
7,12-Dimethylbenzo(a)anthracene												
2,4-Dimethylphenol	41000	---										
4,6-Dinitro-2-methylphenol												
Diphenylamine	51000	---										
Fluoranthene	82000	---										
Fluorene	82000	---										
Hexachlorobenzene												
Hexachlorobutadiene	2000											
Hexachlorocyclopentadiene												
Hexachloroethane	2000	---										
Hexachloropropene												
Indeno(1,2,3-cd)pyrene	8	---										
Isodrin												
Isophorone	410000	4600										
Isosafrole												
Mestranol												
Ethyl methanesulfonate												
Methyl methanesulfonate												
2-Methylnaphthalene	8200	---										
2-Methylphenol	100000	---										
4-Methylphenol	200000	170000										
Naphthalene	41000	270										
1-Naphthylamine												
2-Naphthylamine												
5-Nitroacenaphthene												
2-Nitroaniline	31000	28										
3-Nitroaniline												
4-Nitroaniline	8200	2400										
Nitrobenzene	1000	140										
4-Nitrobiphenyl												
2-Nitrophenol												
4-Nitrophenol	16000	---										
N-Nitrosodi-n-butylamine												
N-Nitrosodi-n-propylamine	0.8	---										
N-Nitrosopiperidine												
2,2'-Oxybis (1-chloropropane)												
Pentachlorobenzene	6100	---										
Pentachloronitrobenzene												
Pentachlorophenol	24	---										
Phenacetin												
Phenanthrene	61000	---										

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269
Phenol	610000	---										
2-Picoline												
Pronamide												
Pyrene	61000	---										
Pyridine	2000	200000										
Safrole												
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol												
1,2,4-Trichlorobenzene	20000	3200										
2,4,5-Trichlorophenol	200000	---										
2,4,6-Trichlorophenol	520	390										
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6										
alpha-BHC	0.9	1.5										
beta-BHC												
delta-BHC												
gamma-BHC	4	---										
alpha-Chlordane	16	140										
gamma-Chlordane	16	140										
Dieldrin	0.4	2.2										
p,p'-DDT	17	1500										
p,p'-DDD	24	---										
p,p'-DDE	17	---										
Endosulfan I	12000	---										
Endosulfan II												
Endosulfan sulfate												
Endrin	610	---										
Endrin aldehyde												
Endrin ketone												
Heptachlor	1	11										
Heptachlor epoxide	0.6	9.2										
Methoxychlor	10000	---										
Toxaphene	5.2	170										
Aroclor 1016	1											
Aroclor 1221	1											
Aroclor 1232	1											
Aroclor 1242	1											
Aroclor 1248	1											
Aroclor 1254	1											
Aroclor 1260	1											
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12											

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717	22I1132-15 SB22 10-12 Soil 9/27/2022 1:30 PM 83.89662	22I1132-16 SB23 4-7 Soil 9/27/2022 2:00 PM 81.28713	22I1132-17 SB23 8-10 Soil 9/27/2022 2:10 PM 78.53561
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		44200	6980	12600	13100	11100	12500	14600	5840	11900
Antimony	820.00	---		35.9 B2	<2.61 B2	<0.010	<0.010	<0.010	68.5 B2	3.72 B2	19.2 B2	<2.60 B2
Arsenic	13.00	1200.00		19.8	19.9	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	35.5	10.9 B2	42.1	8.87 B2
Barium	140000.00	910000.00		868	21.1	0.463	0.462	0.27	220	42	102	37.4
Beryllium	4100.00	2100.00		<0.23	<0.26	<0.001	<0.001	<0.001	0.81	<0.24	1.33	<0.26
Boron	410000.00	---		73.8 B1	15.5 B1	23.3	28.1	23.1	38.1 B1	24.8 B1	39.5 B1	13.5 B1
Cadmium	2000.00	2800.00		36.0 B2	6.16 B2	0.003 B2	0.003 B2	0.049 B2	34.9 B2	4.61 B2	87.6 B2	4.14 B2
Calcium	---	---		40300	46500	77100	86300	70600	10100	74900	5120	2660
Chromium	6100.00	420.00		36.4	12.2	<0.005	<0.005	<0.005	31.2	22.2	9.99	21.9
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		20.3	7.27	9.12	9.47	9.11	11.9	10.1	40.5	9.79
Copper	82000.00	---		9290	31.5	37.9	274 J3	20	11900	32.2	1180	19.9
Cyanide (amenable)	41000.00	---										
Cyanide				0.038 V	<0.036 V	<0.035	<0.030	<0.034	0.402 V	<0.035 V	0.081 V	<0.032 V
Hardness												
Iron	---	---		192000	18700	18700	28800	15300	41600	19800	40000	20000
Lead	800.00	---		8970	23.8	0.015	<0.010	<0.010	6250	15.2	911	11.8
Magnesium	---	---		8020	27500	34100	37100	34700	3270	35700	2330	4350
Manganese	41000.00	91000.00		1980	342	465	623 J3	457	662	457	827	226
Mercury	610.00	16.00		0.05	0.02	0.03	0.03	0.02	1.81	0.01	0.1	0.02
Nickel	41000.00	21000.00		63	20.1	0.008	0.009	0.007	123	27.3	97.1	24.3
Potassium	---	---		5690	2450	3320	3170	3800	1480	4770	634	2320
Selenium	10000.00	---		14.0 B2	2.92 B2	0.032 J6	0.034 J6	<0.025 J5	8.70 B2	3.86 B2	7.60 B2	<2.60 B2
Silver	10000.00	---		0.84	<0.65	<0.012	<0.012	<0.012	4.38	<0.60	5.15	<0.65
Sodium	---	---		14800	308	<228	539	467	869	363	1320	433
Strontium	1000000.00	---		211	26.6	46.2	58	44.6	69.4	48.7	25.3	13.3
Thallium	160.00	---		15.3 B2	<2.61 B2	<0.025 B1	<0.025 B1	<0.025 B1	<2.73 B2	<2.38 B2	<2.41 B2	<2.60 B2
Vanadium	14000.00	---		49.7	18.2	<0.005 B1	<0.005 B1	<0.005 B1	21.5	26.3	8.14	30.7
Zinc	610000.00	---		64800	638	0.03	<0.025	1.37	22700	75.9	69000	126
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.015	<0.0051	<0.0046	<0.0045	0.013	<0.0078	<0.0047	<0.0063	0.0091
Benzene	100	1.6		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Bromobenzene	16000	810		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Bromochloroethene												
Bromochloromethane				<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Bromodichloromethane	92	3000		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Bromoform	720	100		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Bromomethane	2900	15		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
2-Butanone (MEK)	1000000	25000		<0.0055	<0.0051	<0.0046	<0.0045	<0.0089	<0.0078	<0.0047	<0.0063	<0.0054
Carbon Disulfide	200000	720		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	0.0063	<0.0022
Carbon tetrachloride	44	0.64		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Chlorobenzene	41000	210		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Chloroethane	---	1500		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Chloroform	940	0.54		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Chloromethane	---	170		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Dibromochloromethane	92	3000		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,2-Dibromoethane				<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Dibromomethane				<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1-Dichloroethane	200000	1700		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,2-Dichloroethane	63	0.7		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1-Dichloroethene				<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
cis-1,2-Dichloroethene	20000	1200		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
trans-1,2-Dichloroethene	41000	3100		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1-Dichloropropene				<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,2-Dichloropropane	84	23		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,3-Dichloropropane	41000	1000		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
2,2-Dichloropropane				<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
cis-1,3-Dichloropropene	57	2.1		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
trans-1,3-Dichloropropene	57	2.1		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Ethylbenzene	200000	400		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
2-Hexanone (MBK)	10000	720		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Methylene Chloride	760	24		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Methyl tert-butyl ether	20000	8800		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
4-Methyl-2pentanone (MIBK)	---	340		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Stryene	410000	1500		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Tetrachloroethene	110	20		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Trichlorofluoromethane	61000	1400		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Toluene	410000	650		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1,1-Trichloroethane	---	1200		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1,2-Trichloroethane	8200	1800		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,2,3-Trichloropropane	0.19	5		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1,1,2-Tetrachloroethane	61000	2100		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Trichloroethene	520	8.9		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Vinyl chloride	7.9	1.1		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022
Xylenes, Total	410000	320		<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019	<0.0025	<0.0022

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample #	22I1132-09	22I1132-11	23I0451-06	23I0451-07	23I0451-08	22I1132-14	22I1132-15	22I1132-16	22I1132-17
			Sample Name	SB21 4.5-6.5	SB21 10-12	SB-21E (1-3)	SB-21E (1-3) D	SB-21E (10-12)	SB22 4-6	SB22 10-12	SB23 4-7	SB23 8-10
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/13/2023	9/13/2023	9/13/2023	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	12:20 PM	12:30 PM	9:30 AM	9:30 AM	9:55 AM	1:20 PM	1:30 PM	2:00 PM	2:10 PM
			% Solids	88.31683	78.29534	87.53568	88.33182	82.5188	73.20717	83.89662	81.28713	78.53561
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---				<0.055	<0.055	<0.057				
Acenaphthylene	61000	---				<0.055	<0.055	<0.057				
Acetophenone						<0.055	<0.055	<0.057				
Anthracene	610000	---				<0.055	<0.055	<0.057				
Azobenzene						<0.055	<0.055	<0.057				
Benzo(a)anthracene	8	---				0.083	0.16	<0.057				
Benzo(b)fluoranthene	8	---				0.18	0.25	<0.057				
Benzo(k)fluoranthene	78	---				0.073	0.096	<0.057				
Benzo(g,h,i)perylene	61000	---				0.076	0.13	<0.057				
Benzo(a)pyrene	0.8	---				0.11	0.18	<0.057				
Bis(2-chloroethyl)ether	5	0.47				<0.055	<0.055	<0.057				
Bis(2-chloroethoxy)methane						<0.055	<0.055	<0.057				
Bis(2-ethylhexyl)phthalate	410	31000				<0.19	<0.19	<0.19				
4-Bromophenyl phenyl ether						<0.055	<0.055	<0.057				
Butyl benzyl phthalate	410000	930				<0.055	<0.055	<0.057				
Carbazole	290	---				<0.055	<0.055	<0.057				
4-Chloro-3-methylphenol						<0.055	<0.055	<0.057				
4-Chloroaniline	8200	---				<0.055	<0.055	<0.057				
1-Chloronaphthalene						<0.055	<0.055	<0.057				
2-Chloronaphthalene	160000	---				<0.055	<0.055	<0.057				
2-Chlorophenol	10000	53000				<0.055	<0.055	<0.057				
4-Chlorophenyl phenyl ether						<0.055	<0.055	<0.057				
Chrysene	780	---				0.11	0.2	<0.057				
1,2-Dichlorobenzene	180000	560				<0.055	<0.055	<0.057				
1,3-Dichlorobenzene						<0.055	<0.055	<0.057				
1,4-Dichlorobenzene	---	17000				<0.055	<0.055	<0.057				
2,4-Dichlorophenol	6100	---				<0.055	<0.055	<0.057				
Di-n-butyl phthalate	200000	2300				<0.19	<0.19	<0.19				
Di-n-octyl phthalate	41000	10000				<0.19	<0.19	<0.19				
1,2-Dinitrobenzene						<0.19	<0.19	<0.19				
1,3-Dinitrobenzene	200	---				<0.19	<0.19	<0.19				
1,4-Dinitrobenzene						<0.055	<0.055	<0.057				
2,6-Dinitrotoluene	8.4	---				<0.055	<0.055	<0.057				
2,4-Dinitrophenol	4100	---				<0.19	<0.19	<0.19				
2,4-Dinitrotoluene	8.4	---				<0.055	<0.055	<0.057				
Dibenz(a,h)anthracene	0.8	---				<0.055	<0.055	<0.057				
Dibenzofuran	2000	---				<0.055	<0.055	<0.057				
3,3'-Dichlorobenzidine	13	---				<0.055	<0.055	<0.057				
2,6-Dichlorophenol						<0.055	<0.055	<0.057				
Diethyl phthalate	1000000	2000				<0.055	<0.055	<0.057				
Dimethyl phthalate	1000000	1300				<0.055	<0.055	<0.057				
p-Dimethylaminoazobenzene						<0.19	<0.19	<0.19				
7,12-Dimethylbenzo(a)anthracene						<0.19	<0.19	<0.19				
2,4-Dimethylphenol	41000	---				<0.055	<0.055	<0.057				
4,6-Dinitro-2-methylphenol						<0.19	<0.19	<0.19				
Diphenylamine	51000	---				<0.055	<0.055	<0.057				
Fluoranthene	82000	---				0.2	0.42	<0.057				
Fluorene	82000	---				<0.055	<0.055	<0.057				
Hexachlorobenzene						<0.055	<0.055	<0.057				
Hexachlorobutadiene	2000					<0.055	<0.055	<0.057				
Hexachlorocyclopentadiene						<0.19	<0.19	<0.19				
Hexachloroethane	2000	---				<0.055	<0.055	<0.057				
Hexachloropropene						<0.055	<0.055	<0.057				
Indeno(1,2,3-cd)pyrene	8	---				<0.19	<0.19	<0.19				
Isodrin						<0.055	<0.055	<0.057				
Isophorone	410000	4600				<0.19	<0.19	<0.19				
Isosafrole						<0.055	<0.055	<0.057				
Mestranol						<0.19	<0.19	<0.19				
Ethyl methanesulfonate						<0.055	<0.055	<0.057				
Methyl methanesulfonate						<0.055	<0.055	<0.057				
2-Methylnaphthalene	8200	---				<0.055	<0.055	<0.057				
2-Methylphenol	100000	---				<0.055	<0.055	<0.057				
4-Methylphenol	200000	170000				<0.055	<0.055	<0.057				
Naphthalene	41000	270				<0.055	<0.055	<0.057				
1-Naphthylamine						<0.19	<0.19	<0.19				
2-Naphthylamine						<0.19	<0.19	<0.19				
5-Nitroacenaphthene						<0.055	<0.055	<0.057				
2-Nitroaniline	31000	28				<0.19	<0.19	<0.19				
3-Nitroaniline						<0.055	<0.055	<0.057				
4-Nitroaniline	8200	2400				<0.055	<0.055	<0.057				
Nitrobenzene	1000	140				<0.055	<0.055	<0.057				
4-Nitrobiphenyl						<0.19	<0.19	<0.19				
2-Nitrophenol						<0.19	<0.19	<0.19				
4-Nitrophenol	16000	---				<0.055	<0.055	<0.057				
N-Nitrosodi-n-butylamine						<0.055	<0.055	<0.057				
N-Nitrosodi-n-propylamine	0.8	---				<0.055	<0.055	<0.057				
N-Nitrosopiperidine						<0.055	<0.055	<0.057				
2,2'-Oxybis (1-chloropropane)						<0.055	<0.055	<0.057				
Pentachlorobenzene	6100	---				<0.055	<0.055	<0.057				
Pentachloronitrobenzene						<0.055	<0.055	<0.057				
Pentachlorophenol	24	---				<0.19	<0.19	<0.19				
Phenacetin						<0.19	<0.19	<0.19				
Phenanthrene	61000	---				<0.055	0.21	<0.057				

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717	22I1132-15 SB22 10-12 Soil 9/27/2022 1:30 PM 83.89662	22I1132-16 SB23 4-7 Soil 9/27/2022 2:00 PM 81.28713	22I1132-17 SB23 8-10 Soil 9/27/2022 2:10 PM 78.53561
Phenol	610000	---				<0.055	<0.055	<0.057				
2-Picoline						<0.055	<0.055	<0.057				
Pronamide						<0.055	<0.055	<0.057				
Pyrene	61000	---				0.21	0.35	<0.057				
Pyridine	2000	200000				<0.19	<0.19	<0.19				
Safrole						<0.055	<0.055	<0.057				
1,2,4,5-Tetrachlorobenzene						<0.055	<0.055	<0.057				
2,3,4,6-Tetrachlorophenol						<0.055	<0.055	<0.057				
1,2,4-Trichlorobenzene	20000	3200				<0.055	<0.055	<0.057				
2,4,5-Trichlorophenol	200000	---				<0.055	<0.055	<0.057				
2,4,6-Trichlorophenol	520	390				<0.055	<0.055	<0.057				
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6				<0.0056	<0.0055	<0.0059				
alpha-BHC	0.9	1.5				<0.0022	<0.0022	<0.0023				
beta-BHC						<0.0056	<0.0055	<0.0059				
delta-BHC						<0.0056 Q1	<0.0055	<0.0059				
gamma-BHC	4	---				<0.0056	<0.0055	<0.0059				
alpha-Chlordane	16	140				<0.0056	<0.0055	<0.0059				
gamma-Chlordane	16	140				<0.0056	<0.0055	<0.0059				
Dieldrin	0.4	2.2				<0.0022	<0.0022	<0.0023				
p,p'-DDT	17	1500				<0.0056	0.006	<0.0059				
p,p'-DDD	24	---				<0.0056	<0.0055	<0.0059				
p,p'-DDE	17	---				<0.0056	<0.0055	<0.0059				
Endosulfan I	12000	---				<0.0056	<0.0055	<0.0059				
Endosulfan II						<0.0056	<0.0055	<0.0059				
Endosulfan sulfate						<0.0056	<0.0055	<0.0059				
Endrin	610	---				<0.0056	<0.0055	<0.0059				
Endrin aldehyde						<0.0056	<0.0055	<0.0059				
Endrin ketone						<0.0056	<0.0055	<0.0059				
Heptachlor	1	11				<0.0056	<0.0055	<0.0059				
Heptachlor epoxide	0.6	9.2				<0.0056	<0.0055	<0.0059				
Methoxychlor	10000	---				<0.0056	<0.0055	<0.0059				
Toxaphene	5.2	170				<0.11	<0.11	<0.12				
Aroclor 1016	1					<0.011	<0.011	<0.012				
Aroclor 1221	1					<0.011	<0.011	<0.012				
Aroclor 1232	1					<0.011	<0.011	<0.012				
Aroclor 1242	1					<0.011	<0.011	<0.012				
Aroclor 1248	1					<0.011	<0.011	<0.012				
Aroclor 1254	1					<0.011	0.02	<0.012				
Aroclor 1260	1					<0.011	<0.011	<0.012				
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12					8.5 I, Q	8.6 I, Q	8.4 I, Q				

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-04 SB24 1-4 Soil 9/27/2022 2:40 PM 91.2785	22I1134-03 SB24 6-8 Soil 9/27/2022 2:30 PM 64.43349	22I1134-01 SB24 10-12 Soil 9/27/2022 2:20 PM 79.90099	22I1134-07 SB25 5-7 Soil 9/27/2022 3:50 PM 85.84248	22I1134-08 SB25 8-10 Soil 9/27/2022 4:00 PM 74.72417	22I1134-09 SB26 2-4 Soil 9/27/2022 3:50 PM 83.15271	22I1134-10 SB26 14-16 Soil 9/27/2022 4:00 PM 86.09732	22I1134-13 SB27 4.5-7 Soil 9/27/2022 4:35 PM 88.59127	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		9240	125000	16400	10700	12100	19200	4630	5280	14900
Antimony	820.00	---		3.48 B2	85.7 B2	3.99 B2, J3	20.9 B2	4.62 B2	5.18 B2	<2.28 B2	9.18 B2	5.22 B2
Arsenic	13.00	1200.00		9.44 B2	64.3	4.91 B2	17.7 B2	6.69 B2	11.5 B2	6.69 B2	12.3 B2	20.1
Barium	140000.00	910000.00		37.1 I	160 I	59.4 I	107 I	33.5 I	110 I	19.4 I	74.0 I	69.3 I
Beryllium	4100.00	2100.00		<0.22	0.48	<0.25	1.35	<0.26	<0.24	<0.23	1.05	<0.24
Boron	410000.00	---		17.8 B1, I	159 B1, I	27.2 B1, I	44.3 B1, I	16.1 B1, I	13.4 B1, I	9.68 B1, I	73.9 B1, I	24.3 B1, I
Cadmium	2000.00	2800.00		3.44 B2	47.5 B2	3.48 B2	15.0 B2	8.48 B2	5.03 B2	2.63 B2	9.15 B2	7.73 B2
Calcium	---	---		61800 I	23700 I	7220 I, J3	54600 I	36100 I	17100 I	84700 I	82800 I	40500 I
Chromium	6100.00	420.00		15	107	25.8	21.7	22.6	23.6	8.09	22.3	22.5
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		7.27	7.02	8.08	10.3	11.2	10.9	5.37	7.35	20.4
Copper	82000.00	---		51.5 I	15600 I	29.2 I	8270 I	31.1 I	21.3 I	15.7 I	883 I	29.7 I
Cyanide (amenable)	41000.00	---										
Cyanide				<0.033 J3	0.324	<0.037 V	0.222 J3	<0.040	0.171	0.091	0.183 J3	<0.037
Hardness												
Iron	---	---		14000 I	16700 I	13900 I	21200 I	20700 I	22500 I	10800 I	28400 I	37300 I
Lead	800.00	---		32.4 I	4050	13.0 I	2520	12.9 I	15.6 I	6.37 I	620 I	14.2 I
Magnesium	---	---		31700	7060	7630 J3	26800	24000	9200	43700	42000	27300
Manganese	41000.00	91000.00		409 I	1030 I	170 I, J3	547 I	1010 I	675 I	515 I	560 I	929 I
Mercury	610.00	16.00		0.07	0.58 J3	0.03	0.31	0.02	0.04	0.008	0.39	0.02
Nickel	41000.00	21000.00		17.6	201	26.4	74.8	30	20.9	11.6	40.6	40.5
Potassium	---	---		2150	595	2910	1480	2920	2210	1470	886	3250
Selenium	10000.00	---		<2.19	16.9	<2.50	3.99	<2.62	6.1	<2.28	3.24	7.73
Silver	10000.00	---		0.6	5.68	<0.63	2.65	<0.66	<0.60	0.86	1.27	<0.60
Sodium	---	---		591	845	513	957	426	2630	314	939	444
Strontium	1000000.00	---		30.3	177	51.6	50.6	28.7	24.4	36.9	47.7	25.1
Thallium	160.00	---		<2.19 B2	4.88 B2	<2.50 B2	<2.33 B2	<2.62 B2	<2.41 B2	<2.28 B2	3.45 B2	2.76 B2
Vanadium	14000.00	---		20.7 I	17.5 I	21.1 I	17.9 I	30.4 I	37.8 I	11.3 I	16.1 I	27.4 I
Zinc	610000.00	---		331	16900	450	15200	1420	125	73.6	3610	1380
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.004	<0.0077	0.005	<0.0046	0.0094	0.017	<0.0045	0.008	<0.0057
Benzene	100	1.6		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Bromobenzene	16000	810		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Bromochloroethene												
Bromochloromethane				<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Bromodichloromethane	92	3000		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Bromoform	720	100		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Bromomethane	2900	15		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
2-Butanone (MEK)	1000000	25000		<0.004	<0.0077	<0.005	<0.0046	<0.0057	0.0081	<0.0045	<0.0049	<0.0057
Carbon Disulfide	200000	720		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Carbon tetrachloride	44	0.64		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Chlorobenzene	41000	210		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Chloroethane	---	1500		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Chloroform	940	0.54		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Chloromethane	---	170		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Dibromochloromethane	92	3000		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,2-Dibromoethane				<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Dibromomethane				<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1-Dichloroethane	200000	1700		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,2-Dichloroethane	63	0.7		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1-Dichloroethene				<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
cis-1,2-Dichloroethene	20000	1200		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
trans-1,2-Dichloroethene	41000	3100		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1-Dichloropropene				<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,2-Dichloropropane	84	23		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,3-Dichloropropane	41000	1000		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
2,2-Dichloropropane				<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
cis-1,3-Dichloropropene	57	2.1		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
trans-1,3-Dichloropropene	57	2.1		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Ethylbenzene	200000	400		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
2-Hexanone (MBK)	10000	720		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Methylene Chloride	760	24		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Methyl tert-butyl ether	20000	8800		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
4-Methyl-2pentanone (MIBK)	---	340		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Stryene	410000	1500		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Tetrachloroethene	110	20		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Trichlorofluoromethane	61000	1400		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Toluene	410000	650		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1,1-Trichloroethane	---	1200		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1,2-Trichloroethane	8200	1800		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,2,3-Trichloropropane	0.19	5		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1,1,2-Tetrachloroethane	61000	2100		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Trichloroethene	520	8.9		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Vinyl chloride	7.9	1.1		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023
Xylenes, Total	410000	320		<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019	<0.0023

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample #	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08	22I1134-09	22I1134-10	22I1134-13	22I1134-14
			Sample Name	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10	SB26 2-4	SB26 14-16	SB27 4.5-7	SB27 8-10
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM	3:50 PM	4:00 PM	4:35 PM	4:50 PM
			% Solids	91.2785	64.43349	79.90099	85.84248	74.72417	83.15271	86.09732	88.59127	81.25
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---										
Acenaphthylene	61000	---										
Acetophenone												
Anthracene	610000	---										
Azobenzene												
Benzo(a)anthracene	8	---										
Benzo(b)fluoranthene	8	---										
Benzo(k)fluoranthene	78	---										
Benzo(g,h,i)perylene	61000	---										
Benzo(a)pyrene	0.8	---										
Bis(2-chloroethyl)ether	5	0.47										
Bis(2-chloroethoxy)methane												
Bis(2-ethylhexyl)phthalate	410	31000										
4-Bromophenyl phenyl ether												
Butyl benzyl phthalate	410000	930										
Carbazole	290	---										
4-Chloro-3-methylphenol												
4-Chloroaniline	8200	---										
1-Chloronaphthalene												
2-Chloronaphthalene	160000	---										
2-Chlorophenol	10000	53000										
4-Chlorophenyl phenyl ether												
Chrysene	780	---										
1,2-Dichlorobenzene	180000	560										
1,3-Dichlorobenzene												
1,4-Dichlorobenzene	---	17000										
2,4-Dichlorophenol	6100	---										
Di-n-butyl phthalate	200000	2300										
Di-n-octyl phthalate	41000	10000										
1,2-Dinitrobenzene												
1,3-Dinitrobenzene	200	---										
1,4-Dinitrobenzene												
2,6-Dinitrotoluene	8.4	---										
2,4-Dinitrophenol	4100	---										
2,4-Dinitrotoluene	8.4	---										
Dibenz(a,h)anthracene	0.8	---										
Dibenzofuran	2000	---										
3,3'-Dichlorobenzidine	13	---										
2,6-Dichlorophenol												
Diethyl phthalate	1000000	2000										
Dimethyl phthalate	1000000	1300										
p-Dimethylaminoazobenzene												
7,12-Dimethylbenzo(a)anthracene												
2,4-Dimethylphenol	41000	---										
4,6-Dinitro-2-methylphenol												
Diphenylamine	51000	---										
Fluoranthene	82000	---										
Fluorene	82000	---										
Hexachlorobenzene												
Hexachlorobutadiene	2000											
Hexachlorocyclopentadiene												
Hexachloroethane	2000	---										
Hexachloropropene												
Indeno(1,2,3-cd)pyrene	8	---										
Isodrin												
Isophorone	410000	4600										
Isosafrole												
Mestranol												
Ethyl methanesulfonate												
Methyl methanesulfonate												
2-Methylnaphthalene	8200	---										
2-Methylphenol	100000	---										
4-Methylphenol	200000	170000										
Naphthalene	41000	270										
1-Naphthylamine												
2-Naphthylamine												
5-Nitroacenaphthene												
2-Nitroaniline	31000	28										
3-Nitroaniline												
4-Nitroaniline	8200	2400										
Nitrobenzene	1000	140										
4-Nitrobiphenyl												
2-Nitrophenol												
4-Nitrophenol	16000	---										
N-Nitrosodi-n-butylamine												
N-Nitrosodi-n-propylamine	0.8	---										
N-Nitrosopiperidine												
2,2'-Oxybis (1-chloropropane)												
Pentachlorobenzene	6100	---										
Pentachloronitrobenzene												
Pentachlorophenol	24	---										
Phenacetin												
Phenanthrene	61000	---										

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-04 SB24 1-4 Soil 9/27/2022 2:40 PM 91.2785	22I1134-03 SB24 6-8 Soil 9/27/2022 2:30 PM 64.43349	22I1134-01 SB24 10-12 Soil 9/27/2022 2:20 PM 79.90099	22I1134-07 SB25 5-7 Soil 9/27/2022 3:50 PM 85.84248	22I1134-08 SB25 8-10 Soil 9/27/2022 4:00 PM 74.72417	22I1134-09 SB26 2-4 Soil 9/27/2022 3:50 PM 83.15271	22I1134-10 SB26 14-16 Soil 9/27/2022 4:00 PM 86.09732	22I1134-13 SB27 4.5-7 Soil 9/27/2022 4:35 PM 88.59127	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25
Phenol	610000	---										
2-Picoline												
Pronamide												
Pyrene	61000	---										
Pyridine	2000	200000										
Safrole												
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol												
1,2,4-Trichlorobenzene	20000	3200										
2,4,5-Trichlorophenol	200000	---										
2,4,6-Trichlorophenol	520	390										
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6										
alpha-BHC	0.9	1.5										
beta-BHC												
delta-BHC												
gamma-BHC	4	---										
alpha-Chlordane	16	140										
gamma-Chlordane	16	140										
Dieldrin	0.4	2.2										
p,p'-DDT	17	1500										
p,p'-DDD	24	---										
p,p'-DDE	17	---										
Endosulfan I	12000	---										
Endosulfan II												
Endosulfan sulfate												
Endrin	610	---										
Endrin aldehyde												
Endrin ketone												
Heptachlor	1	11										
Heptachlor epoxide	0.6	9.2										
Methoxychlor	10000	---										
Toxaphene	5.2	170										
Aroclor 1016	1											
Aroclor 1221	1											
Aroclor 1232	1											
Aroclor 1242	1											
Aroclor 1248	1											
Aroclor 1254	1											
Aroclor 1260	1											
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12											

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		22700	9770	12400	9430	4470	17400	9950	9810	3850
Antimony	820.00	---		0.076	<0.010	7.09 B2	2.91 B2	17.1 B2	7.36 B2	0.029	<0.010	<2.30 B2
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	8.93 B2	8.10 B2	11.7 B2	30.7	<0.010 B1, J7	<0.010 B1, J7	5.32 B2
Barium	140000.00	910000.00		1.16	0.295	206 I	24.9 I	217	115	0.526	0.225	24.1
Beryllium	4100.00	2100.00		<0.001	<0.001	5.36	0.24	0.72	0.56	<0.001	<0.001	0.56
Boron	410000.00	---		34	30.5	110 B1, I	8.48 B1, I	22.1 B1	<6.28 B1	32.7	11.7	16.1 B1
Cadmium	2000.00	2800.00		0.158 B2	0.003 B2	13.1 B2	3.84 B2	39.3 B2	24.7 B2	0.075 B2	0.003 B2	2.66 B2
Calcium	---	---		6020	55700	69200 I	11600 I	75300	4970	77400	16100	134000
Chromium	6100.00	420.00		<0.005	<0.005	38.5	17.9	24.1	26.8	<0.005	<0.005	8.65
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		15.7	9.78	8.29	7.61	9.8	13.3	7.82	7.24	3.84
Copper	82000.00	---		189	47.2	7190 I	21.9 I	4380	95.2	614	19.7	197
Cyanide (amenable)	41000.00	---										
Cyanide				0.047	<0.036	0.488	<0.035	0.318	0.051	0.071	<0.032	0.041
Hardness												
Iron	---	---		22000	21200	16900 I	17300 I	32700	52400	18300	15300	8530
Lead	800.00	---		21.9	<0.010	705 I	14.7 I	1860	1680	1.21	<0.010	79.1
Magnesium	---	---		6560	29500	31900	9240	41900	7550	35100	11200	74800
Manganese	41000.00	91000.00		366	351	4990 I	216 I	1270	1810	547	204	274
Mercury	610.00	16.00		0.05	0.02	0.31	0.03	1.45	0.02	0.21	0.02	0.05
Nickel	41000.00	21000.00		0.088	0.01	67.1	19.6	53.6	36.5	0.225	0.009	13
Potassium	---	---		3070	2370	2060	2420	668	3350	2480	2380	1170
Selenium	10000.00	---		0.026 J6	0.039 J6	11.4	2.86	7.90 B2	11.1 B2	0.039 J6	0.025 J6	<2.30 B2
Silver	10000.00	---		<0.012	<0.012	2.71	<0.61	2.84	<0.63	<0.012	<0.012	1.28
Sodium	---	---		625	435	1320	<245	393	<251	649	<227	362
Strontium	1000000.00	---		30.5	28	77.1	16.3	47.7	23.3	45.7	16.3	46.2
Thallium	160.00	---		<0.025 B1	<0.025 B1	<2.39 B2	2.50 B2	3.74 B2	5.49 B2	<0.025 B1	<0.025 B1	<2.30 B2
Vanadium	14000.00	---		<0.005 B1	<0.005 B1	18.8 I	27.5 I	9.13 B1	41.9 B1	<0.005 B1	<0.005 B1	15.2 B1
Zinc	610000.00	---		80.6	0.23	7050	137	14900	6320	45.1	<0.025	453
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0067	<0.0048	0.0083	0.0083	<0.0071	<0.0056	<0.0088	<0.0044	0.0096
Benzene	100	1.6		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromobenzene	16000	810		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromochloroethene												
Bromochloromethane				<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromodichloromethane	92	3000		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromoform	720	100		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromomethane	2900	15		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
2-Butanone (MEK)	1000000	25000		<0.0067	<0.0048	<0.0052	<0.0058	<0.0071	<0.0056	<0.0088	<0.0044	<0.0058
Carbon Disulfide	200000	720		<0.0027	<0.0019	<0.0021	<0.0023	0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Carbon tetrachloride	44	0.64		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chlorobenzene	41000	210		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chloroethane	---	1500		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chloroform	940	0.54		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chloromethane	---	170		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Dibromochloromethane	92	3000		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2-Dibromoethane				<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Dibromomethane				<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1-Dichloroethane	200000	1700		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2-Dichloroethane	63	0.7		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1-Dichloroethene				<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
cis-1,2-Dichloroethene	20000	1200		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	0.0043	0.0054	<0.0023
trans-1,2-Dichloroethene	41000	3100		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1-Dichloropropene				<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2-Dichloropropane	84	23		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,3-Dichloropropane	41000	1000		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
2,2-Dichloropropane				<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
cis-1,3-Dichloropropene	57	2.1		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
trans-1,3-Dichloropropene	57	2.1		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Ethylbenzene	200000	400		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
2-Hexanone (MBK)	10000	720		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Methylene Chloride	760	24		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Methyl tert-butyl ether	20000	8800		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
4-Methyl-2pentanone (MIBK)	---	340		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Stryene	410000	1500		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Tetrachloroethene	110	20		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Trichlorofluoromethane	61000	1400		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Toluene	410000	650		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,1-Trichloroethane	---	1200		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,2-Trichloroethane	8200	1800		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2,3-Trichloropropane	0.19	5		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,1,2-Tetrachloroethane	61000	2100		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Trichloroethene	520	8.9		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	0.011	0.003	<0.0023
Vinyl chloride	7.9	1.1		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Xylenes, Total	410000	320		<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.062	<0.058					<0.055	<0.057	
Acenaphthylene	61000	---		<0.062	<0.058					<0.055	<0.057	
Acetophenone				<0.062	<0.058					<0.055	<0.057	
Anthracene	610000	---		<0.062	<0.058					<0.055	<0.057	
Azobenzene				<0.062	<0.058					<0.055	<0.057	
Benzo(a)anthracene	8	---		<0.062	<0.058					<0.055	<0.057	
Benzo(b)fluoranthene	8	---		<0.062	<0.058					<0.055	<0.057	
Benzo(k)fluoranthene	78	---		<0.062	<0.058					<0.055	<0.057	
Benzo(g,h,i)perylene	61000	---		<0.062	<0.058					<0.055	<0.057	
Benzo(a)pyrene	0.8	---		<0.062	<0.058					<0.055	<0.057	
Bis(2-chloroethyl)ether	5	0.47		<0.062	<0.058					<0.055	<0.057	
Bis(2-chloroethoxy)methane				<0.062	<0.058					<0.055	<0.057	
Bis(2-ethylhexyl)phthalate	410	31000		<0.21	<0.2					<0.19	<0.19	
4-Bromophenyl phenyl ether				<0.062	<0.058					<0.055	<0.057	
Butyl benzyl phthalate	410000	930		<0.062	<0.058					<0.055	<0.057	
Carbazole	290	---		<0.062	<0.058					<0.055	<0.057	
4-Chloro-3-methylphenol				<0.062	<0.058					<0.055	<0.057	
4-Chloroaniline	8200	---		<0.062	<0.058					<0.055	<0.057	
1-Chloronaphthalene				<0.062	<0.058					<0.055	<0.057	
2-Chloronaphthalene	160000	---		<0.062	<0.058					<0.055	<0.057	
2-Chlorophenol	10000	53000		<0.062	<0.058					<0.055	<0.057	
4-Chlorophenyl phenyl ether				<0.062	<0.058					<0.055	<0.057	
Chrysene	780	---		<0.062	<0.058					<0.055	<0.057	
1,2-Dichlorobenzene	180000	560		<0.062	<0.058					<0.055	<0.057	
1,3-Dichlorobenzene				<0.062	<0.058					<0.055	<0.057	
1,4-Dichlorobenzene	---	17000		<0.062	<0.058					<0.055	<0.057	
2,4-Dichlorophenol	6100	---		<0.062	<0.058					<0.055	<0.057	
Di-n-butyl phthalate	200000	2300		<0.21	<0.2					<0.19	<0.19	
Di-n-octyl phthalate	41000	10000		<0.21	<0.2					<0.19	<0.19	
1,2-Dinitrobenzene				<0.21	<0.2					<0.19	<0.19	
1,3-Dinitrobenzene	200	---		<0.21	<0.2					<0.19	<0.19	
1,4-Dinitrobenzene				<0.062	<0.058					<0.055	<0.057	
2,6-Dinitrotoluene	8.4	---		<0.062	<0.058					<0.055	<0.057	
2,4-Dinitrophenol	4100	---		<0.21	<0.2					<0.19	<0.19	
2,4-Dinitrotoluene	8.4	---		<0.062	<0.058					<0.055	<0.057	
Dibenz(a,h)anthracene	0.8	---		<0.062	<0.058					<0.055	<0.057	
Dibenzofuran	2000	---		<0.062	<0.058					<0.055	<0.057	
3,3'-Dichlorobenzidine	13	---		<0.062	<0.058					<0.055	<0.057	
2,6-Dichlorophenol				<0.062	<0.058					<0.055	<0.057	
Diethyl phthalate	1000000	2000		<0.062	<0.058					<0.055	<0.057	
Dimethyl phthalate	1000000	1300		<0.062	<0.058					<0.055	<0.057	
p-Dimethylaminoazobenzene				<0.21	<0.2					<0.19	<0.19	
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.2					<0.19	<0.19	
2,4-Dimethylphenol	41000	---		<0.062	<0.058					<0.055	<0.057	
4,6-Dinitro-2-methylphenol				<0.21	<0.2					<0.19	<0.19	
Diphenylamine	51000	---		<0.062	<0.058					<0.055	<0.057	
Fluoranthene	82000	---		0.063	<0.058					<0.055	<0.057	
Fluorene	82000	---		<0.062	<0.058					<0.055	<0.057	
Hexachlorobenzene				<0.062	<0.058					<0.055	<0.057	
Hexachlorobutadiene	2000			<0.062	<0.058					<0.055	<0.057	
Hexachlorocyclopentadiene				<0.21	<0.2					<0.19	<0.19	
Hexachloroethane	2000	---		<0.062	<0.058					<0.055	<0.057	
Hexachloropropene				<0.062	<0.058					<0.055	<0.057	
Indeno(1,2,3-cd)pyrene	8	---		<0.21	<0.2					<0.19	<0.19	
Isodrin				<0.062	<0.058					<0.055	<0.057	
Isophorone	410000	4600		<0.21	<0.2					<0.19	<0.19	
Isosafrole				<0.062	<0.058					<0.055	<0.057	
Mestranol				<0.21	<0.2					<0.19	<0.19	
Ethyl methanesulfonate				<0.062	<0.058					<0.055	<0.057	
Methyl methanesulfonate				<0.062	<0.058					<0.055	<0.057	
2-Methylnaphthalene	8200	---		<0.062	<0.058					<0.055	<0.057	
2-Methylphenol	100000	---		<0.062	<0.058					<0.055	<0.057	
4-Methylphenol	200000	170000		<0.062	<0.058					<0.055	<0.057	
Naphthalene	41000	270		<0.062	<0.058					<0.055	<0.057	
1-Naphthylamine				<0.21	<0.2					<0.19	<0.19	
2-Naphthylamine				<0.21	<0.2					<0.19	<0.19	
5-Nitroacenaphthene				<0.062	<0.058					<0.055	<0.057	
2-Nitroaniline	31000	28		<0.21	<0.2					<0.19	<0.19	
3-Nitroaniline				<0.062	<0.058					<0.055	<0.057	
4-Nitroaniline	8200	2400		<0.062	<0.058					<0.055	<0.057	
Nitrobenzene	1000	140		<0.062	<0.058					<0.055	<0.057	
4-Nitrobiphenyl				<0.21	<0.2					<0.19	<0.19	
2-Nitrophenol				<0.21	<0.2					<0.19 J5	<0.19 J5	
4-Nitrophenol	16000	---		<0.062	<0.058					<0.055	<0.057	
N-Nitrosodi-n-butylamine				<0.062	<0.058					<0.055	<0.057	
N-Nitrosodi-n-propylamine	0.8	---		<0.062	<0.058					<0.055	<0.057	
N-Nitrosopiperidine				<0.062	<0.058					<0.055	<0.057	
2,2'-Oxybis (1-chloropropane)				<0.062	<0.058					<0.055	<0.057	
Pentachlorobenzene	6100	---		<0.062	<0.058					<0.055	<0.057	
Pentachloronitrobenzene				<0.062	<0.058					<0.055	<0.057	
Pentachlorophenol	24	---		<0.21	<0.2					<0.19	<0.19	
Phenacetin				<0.21	<0.2					<0.19	<0.19	
Phenanthrene	61000	---		<0.062	<0.058					<0.055	<0.057	

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation										
Lab Sample #				23I0452-05	23I0452-06	22I1134-12	22I1134-11	22I1169-01	22I1169-02	23I0452-07	23I0452-08	22I1169-03
Sample Name				SB-27E (5-7)	SB-27E (10-12)	SB28 6-9	SB28 10-12	SB29 5-7	SB29 7-10	SB-29E (4-7)	SB-29E (10-12)	SB30 3-6
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date sampled				9/13/2023	9/13/2023	9/27/2022	9/27/2022	9/28/2022	9/28/2022	9/13/2023	9/13/2023	9/28/2022
Time sampled				11:25 AM	11:35 AM	4:30 PM	4:40 PM	9:00 AM	9:10 AM	11:40 AM	11:55 AM	9:40 AM
% Solids				77.7668	81.70377	83.81909	80.03992	79.20398	79.67968	84.26746	86.45731	85.12563
Phenol	610000	---		<0.062	<0.058					<0.055	<0.057	
2-Picoline				<0.062	<0.058					<0.055	<0.057	
Pronamide				<0.062	<0.058					<0.055	<0.057	
Pyrene	61000	---		<0.062	<0.058					<0.055	<0.057	
Pyridine	2000	200000		<0.21	<0.2					<0.19	<0.19	
Safrole				<0.062	<0.058					<0.055	<0.057	
1,2,4,5-Tetrachlorobenzene				<0.062	<0.058					<0.055	<0.057	
2,3,4,6-Tetrachlorophenol				<0.062	<0.058					<0.055	<0.057	
1,2,4-Trichlorobenzene	20000	3200		<0.062	<0.058					<0.055	<0.057	
2,4,5-Trichlorophenol	200000	---		<0.062	<0.058					<0.055	<0.057	
2,4,6-Trichlorophenol	520	390		<0.062	<0.058					<0.055	<0.057	
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0064	<0.0058					<0.0058	<0.0054	
alpha-BHC	0.9	1.5		<0.0025	<0.0023					<0.0023	<0.0022	
beta-BHC				<0.0064	<0.0058					<0.0058	<0.0054	
delta-BHC				0.0093	<0.0058					<0.0058	<0.0054	
gamma-BHC	4	---		<0.0064	<0.0058					<0.0058	<0.0054	
alpha-Chlordane	16	140		<0.0064	<0.0058					<0.0058	<0.0054	
gamma-Chlordane	16	140		<0.0064	<0.0058					<0.0058	<0.0054	
Dieldrin	0.4	2.2		<0.0025	<0.0023					<0.0023	<0.0022	
p,p'-DDT	17	1500		<0.0064	<0.0058					<0.0058	<0.0054	
p,p'-DDD	24	---		<0.0064	<0.0058					<0.0058	<0.0054	
p,p'-DDE	17	---		<0.0064	<0.0058					<0.0058	<0.0054	
Endosulfan I	12000	---		<0.0064	<0.0058					<0.0058	<0.0054	
Endosulfan II				<0.0064	<0.0058					<0.0058	<0.0054	
Endosulfan sulfate				<0.0064	<0.0058					<0.0058	<0.0054	
Endrin	610	---		<0.0064	<0.0058					<0.0058	<0.0054	
Endrin aldehyde				<0.0064	<0.0058					<0.0058	<0.0054	
Endrin ketone				<0.0064	<0.0058					<0.0058	<0.0054	
Heptachlor	1	11		<0.0064	<0.0058					<0.0058	<0.0054	
Heptachlor epoxide	0.6	9.2		<0.0064	<0.0058					<0.0058	<0.0054	
Methoxychlor	10000	---		<0.0064	<0.0058					<0.0058	<0.0054	
Toxaphene	5.2	170		<0.13	<0.12					<0.12	<0.11	
Aroclor 1016	1			<0.013	<0.012					<0.012	<0.011	
Aroclor 1221	1			<0.013	<0.012					<0.012	<0.011	
Aroclor 1232	1			<0.013	<0.012					<0.012	<0.011	
Aroclor 1242	1			<0.013	<0.012					<0.012	<0.011	
Aroclor 1248	1			<0.013	<0.012					<0.012	<0.011	
Aroclor 1254	1			<0.013	<0.012					<0.012	<0.011	
Aroclor 1260	1			<0.013	<0.012					<0.012	<0.011	
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q	

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		9960	13700	17500	10200	8400	11400	16000	11400	11500
Antimony	820.00	---		2.71 B2	<0.010	<0.010	4.01 B2	2.73 B2	6.82 B2	3.67 B2	<0.010	<0.010
Arsenic	13.00	1200.00		6.76 B2	<0.010 B1, J7	<0.010 B1, J7	12.9 B2	8.02 B2	11.6 B2	11.8 B2	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		32.1	0.534	0.361	50	39	90.8 I	66.7 I	0.471	0.605
Beryllium	4100.00	2100.00		<0.24	<0.001	<0.001	0.44	0.47	4.06	<0.23	<0.001	<0.001
Boron	410000.00	---		11.1 B1	136	25.6	43.5 B1	52.7 B1	213 B1, I	12.7 B1, I	22.2	34.6
Cadmium	2000.00	2800.00		3.40 B2	0.015 B2	<0.003 B2	4.15 B2	3.62 B2	6.15 B2	5.37 B2	0.004 B2	0.008 B2
Calcium	---	---		69300	126000	35100	63000	91000	56200 I	16300 I	70000	61500
Chromium	6100.00	420.00		16.8	<0.005	0.005	16.1	12.4	21.3	25.5	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		9.05	9.87	19.8	8.17	6.85	13.4	11.6	9.56	9.15
Copper	82000.00	---		17.9	253	26.4	117	185	1000 I	38.1 I	89.2 J3	2630
Cyanide (amenable)	41000.00	---										
Cyanide				<0.033	0.122	<0.034	<0.031 V	<0.033	<0.035	<0.033 V	<0.035 J3	0.171
Hardness												
Iron	---	---		14000	37900	31000	16900	14000	26000 I	29300 I	20000	21600
Lead	800.00	---		9.27	0.018	<0.010	87.4	112	430 I	18.8 I	0.006	0.032 V
Magnesium	---	---		37000	55500	23200	30600	38400	27900	11900	34100	29800
Manganese	41000.00	91000.00		425	451	783	565	549	774 I	577 I	526 I	454
Mercury	610.00	16.00		0.02	0.02	0.01	0.06	0.07	<0.006	0.06	0.01	1.67
Nickel	41000.00	21000.00		19.8	0.048	0.008	21.8	21.2	59.4	35.6	0.021	0.042
Potassium	---	---		2870	2070	4900	2430	1550	2480	3240	2720	2510
Selenium	10000.00	---		3.24 B2	<0.025 J5	<0.025 J5	<2.24 B2	<2.20 B2	5.09	2.58	<0.025 I, J3, J5	0.029 J6
Silver	10000.00	---		<0.61	<0.012	<0.012	<0.56	0.91	1.1	<0.56	<0.003	0.003
Sodium	---	---		<245	1360	256	1110	945	2220	730	517	542
Strontium	1000000.00	---		40.2	81.6	27.3	33.4	46.7	38.9	18.2	38.5 J3	47.5
Thallium	160.00	---		<2.45 B2	<0.025 B1	<0.025 B1	<2.24 B2	<2.20 B2	<2.26 B2	<2.26 B2	0.044 B2, V	0.045 B2, V
Vanadium	14000.00	---		17.9 B1	<0.005 B1	<0.005 B1	22.8	19.6 B1	21.2 I	28.6 I	<0.005	<0.005
Zinc	610000.00	---		43.8	3.61	<0.025	754	1110	7170	232	0.159 J6, V	1.42 J6
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0048	<0.0061	<0.0045	<0.004	<0.0043	<0.0047	<0.0048	<0.0047	0.057
Benzene	100	1.6		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromobenzene	16000	810		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromochloroethene												
Bromochloromethane				<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromodichloromethane	92	3000		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromoform	720	100		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromomethane	2900	15		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
2-Butanone (MEK)	1000000	25000		<0.0048	<0.0061	<0.0045	<0.004	<0.0043	<0.0047	<0.0048	<0.0047	0.011
Carbon Disulfide	200000	720		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Carbon tetrachloride	44	0.64		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chlorobenzene	41000	210		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chloroethane	---	1500		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chloroform	940	0.54		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chloromethane	---	170		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Dibromochloromethane	92	3000		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2-Dibromoethane				<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Dibromomethane				<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1-Dichloroethane	200000	1700		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2-Dichloroethane	63	0.7		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1-Dichloroethene				0.011	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
cis-1,2-Dichloroethene	20000	1200		0.19 L	<0.0024	0.11	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
trans-1,2-Dichloroethene	41000	3100		0.032	<0.0024	0.0029	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1-Dichloropropene				<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2-Dichloropropane	84	23		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,3-Dichloropropane	41000	1000		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
2,2-Dichloropropane				<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
cis-1,3-Dichloropropene	57	2.1		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
trans-1,3-Dichloropropene	57	2.1		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Ethylbenzene	200000	400		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
2-Hexanone (MBK)	10000	720		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024 J2
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Methylene Chloride	760	24		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Methyl tert-butyl ether	20000	8800		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
4-Methyl-2pentanone (MIBK)	---	340		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0034	<0.0024
Stryene	410000	1500		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Tetrachloroethene	110	20		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Trichlorofluoromethane	61000	1400		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	0.0042 J2
Toluene	410000	650		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0038	<0.0024
1,1,1-Trichloroethane	---	1200		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1,2-Trichloroethane	8200	1800		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2,3-Trichloropropane	0.19	5		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1,1,2-Tetrachloroethane	61000	2100		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Trichloroethene	520	8.9		0.19 L	<0.0024	0.098	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Vinyl chloride	7.9	1.1		0.026	<0.0024	0.002	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Xylenes, Total	410000	320		<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0023	0.0024

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---			<0.061	<0.056					<0.058	1.1
Acenaphthylene	61000	---			<0.061	<0.056					<0.058	<0.062
Acetophenone					<0.061	<0.056					<0.058	<0.062
Anthracene	610000	---			<0.061	<0.056					<0.058	1.5
Azobenzene					<0.061	<0.056					<0.058	<0.062
Benzo(a)anthracene	8	---			<0.061	<0.056					0.11	2.5
Benzo(b)fluoranthene	8	---			<0.061	<0.056					0.18	2.5
Benzo(k)fluoranthene	78	---			<0.061	<0.056					0.071	0.82
Benzo(g,h,i)perylene	61000	---			<0.061	<0.056					0.088	0.79
Benzo(a)pyrene	0.8	---			<0.061	<0.056					0.13	2.1
Bis(2-chloroethyl)ether	5	0.47			<0.061	<0.056					<0.058	<0.062
Bis(2-chloroethoxy)methane					<0.061	<0.056					<0.058	<0.062
Bis(2-ethylhexyl)phthalate	410	31000			<0.21	<0.19					<0.2	<0.21
4-Bromophenyl phenyl ether					<0.061	<0.056					<0.058	<0.062
Butyl benzyl phthalate	410000	930			<0.061	<0.056					<0.058	<0.062
Carbazole	290	---			<0.061	<0.056					<0.058	0.4
4-Chloro-3-methylphenol					<0.061	<0.056					<0.058	<0.062
4-Chloroaniline	8200	---			<0.061	<0.056					<0.058	<0.062
1-Chloronaphthalene					<0.061	<0.056					<0.058	<0.062
2-Chloronaphthalene	160000	---			<0.061	<0.056					<0.058	<0.062
2-Chlorophenol	10000	53000			<0.061	<0.056					<0.058	<0.062
4-Chlorophenyl phenyl ether					<0.061	<0.056					<0.058	<0.062
Chrysene	780	---			<0.061	<0.056					0.13	2.7
1,2-Dichlorobenzene	180000	560			<0.061	<0.056					<0.058	<0.062
1,3-Dichlorobenzene					<0.061	<0.056					<0.058	<0.062
1,4-Dichlorobenzene	---	17000			<0.061	<0.056					<0.058	<0.062
2,4-Dichlorophenol	6100	---			<0.061	<0.056					<0.058	<0.062
Di-n-butyl phthalate	200000	2300			<0.21	<0.19					<0.2	<0.21
Di-n-octyl phthalate	41000	10000			<0.21	<0.19					<0.2	<0.21
1,2-Dinitrobenzene					<0.21	<0.19					<0.2	<0.21
1,3-Dinitrobenzene	200	---			<0.21	<0.19					<0.2	<0.21
1,4-Dinitrobenzene					<0.061	<0.056					<0.058	<0.062
2,6-Dinitrotoluene	8.4	---			<0.061	<0.056					<0.058	<0.062
2,4-Dinitrophenol	4100	---			<0.21	<0.19					<0.2	<0.21
2,4-Dinitrotoluene	8.4	---			<0.061	<0.056					<0.058	<0.062
Dibenz(a,h)anthracene	0.8	---			<0.061	<0.056					<0.058	0.15
Dibenzofuran	2000	---			<0.061	<0.056					<0.058	0.34
3,3'-Dichlorobenzidine	13	---			<0.061	<0.056					<0.058	<0.062
2,6-Dichlorophenol					<0.061	<0.056					<0.058	<0.062
Diethyl phthalate	1000000	2000			<0.061	<0.056					<0.058	<0.062
Dimethyl phthalate	1000000	1300			<0.061	<0.056					<0.058	<0.062
p-Dimethylaminoazobenzene					<0.21	<0.19					<0.2	<0.21
7,12-Dimethylbenzo(a)anthracene					<0.21	<0.19					<0.2	<0.21
2,4-Dimethylphenol	41000	---			<0.061	<0.056					<0.058	<0.062
4,6-Dinitro-2-methylphenol					<0.21	<0.19					<0.2	<0.21
Diphenylamine	51000	---			<0.061	<0.056					<0.058	<0.062
Fluoranthene	82000	---			<0.061	<0.056					0.27	4.9
Fluorene	82000	---			<0.061	<0.056					<0.058	0.74
Hexachlorobenzene					<0.061	<0.056					<0.058	<0.062
Hexachlorobutadiene	2000				<0.061	<0.056					<0.058	<0.062
Hexachlorocyclopentadiene					<0.21	<0.19					<0.2	<0.21
Hexachloroethane	2000	---			<0.061	<0.056					<0.058	<0.062
Hexachloropropene					<0.061	<0.056					<0.058	<0.062
Indeno(1,2,3-cd)pyrene	8	---			<0.21	<0.19					<0.2	0.8
Isodrin					<0.061	<0.056					<0.058	<0.062
Isophorone	410000	4600			<0.21	<0.19					<0.2	<0.21
Isosafrole					<0.061	<0.056					<0.058	<0.062
Mestranol					<0.21	<0.19					<0.2	<0.21
Ethyl methanesulfonate					<0.061	<0.056					<0.058	<0.062
Methyl methanesulfonate					<0.061	<0.056					<0.058	<0.062
2-Methylnaphthalene	8200	---			0.083	<0.056					<0.058	0.29
2-Methylphenol	100000	---			<0.061	<0.056					<0.058	<0.062
4-Methylphenol	200000	170000			<0.061	<0.056					<0.058	<0.062
Naphthalene	41000	270			<0.061	<0.056					<0.058	0.24
1-Naphthylamine					<0.21	<0.19					<0.2 O2	<0.21 O2
2-Naphthylamine					<0.21	<0.19					<0.2	<0.21
5-Nitroacenaphthene					<0.061	<0.056					<0.058	<0.062
2-Nitroaniline	31000	28			<0.21	<0.19					<0.2	<0.21
3-Nitroaniline					<0.061	<0.056					<0.058	<0.062
4-Nitroaniline	8200	2400			<0.061	<0.056					<0.058	<0.062
Nitrobenzene	1000	140			<0.061	<0.056					<0.058	<0.062
4-Nitrobiphenyl					<0.21	<0.19					<0.2	<0.21
2-Nitrophenol					<0.21	<0.19					<0.2	<0.21
4-Nitrophenol	16000	---			<0.061	<0.056					<0.058	<0.062
N-Nitrosodi-n-butylamine					<0.061	<0.056					<0.058	<0.062
N-Nitrosodi-n-propylamine	0.8	---			<0.061	<0.056					<0.058	<0.062
N-Nitrosopiperidine					<0.061	<0.056					<0.058	<0.062
2,2'-Oxybis (1-chloropropane)					<0.061	<0.056					<0.058	<0.062
Pentachlorobenzene	6100	---			<0.061	<0.056					<0.058	<0.062
Pentachloronitrobenzene					<0.061	<0.056					<0.058	<0.062
Pentachlorophenol	24	---			<0.21	<0.19					<0.2	<0.21
Phenacetin					<0.21	<0.19					<0.2	<0.21
Phenanthrene	61000	---			0.18	<0.056					0.12	7.9

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156
Phenol	610000	---			<0.061	<0.056					<0.058	<0.062
2-Picoline					<0.061	<0.056					<0.058	<0.062
Pronamide					<0.061	<0.056					<0.058	<0.062
Pyrene	61000	---			<0.061	<0.056					0.23	7
Pyridine	2000	200000			<0.21	<0.19					<0.2 O2	<0.21
Safrole					<0.061	<0.056					<0.058	<0.062
1,2,4,5-Tetrachlorobenzene					<0.061	<0.056					<0.058	<0.062
2,3,4,6-Tetrachlorophenol					<0.061	<0.056					<0.058	<0.062
1,2,4-Trichlorobenzene	20000	3200			<0.061	<0.056					<0.058	<0.062
2,4,5-Trichlorophenol	200000	---			<0.061	<0.056					<0.058	<0.062
2,4,6-Trichlorophenol	520	390			<0.061	<0.056					<0.058	<0.062
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6			<0.0063	<0.0057					<0.0056	<0.0062
alpha-BHC	0.9	1.5			<0.0025	<0.0023					<0.0022	<0.0025
beta-BHC					<0.0063	<0.0057					<0.0056	<0.0062
delta-BHC					<0.0063	<0.0057					<0.0056	<0.0062
gamma-BHC	4	---			<0.0063	<0.0057					<0.0056	<0.0062
alpha-Chlordane	16	140			<0.0063	<0.0057					<0.0056	<0.0062
gamma-Chlordane	16	140			<0.0063	<0.0057					<0.0056	<0.0062
Dieldrin	0.4	2.2			<0.0025	<0.0023					<0.0022	<0.0025
p,p'-DDT	17	1500			<0.0063	<0.0057					<0.0056	0.0066
p,p'-DDD	24	---			<0.0063	<0.0057					<0.0056	<0.0062
p,p'-DDE	17	---			<0.0063	<0.0057					<0.0056	<0.0062
Endosulfan I	12000	---			<0.0063	<0.0057					<0.0056	<0.0062
Endosulfan II					<0.0063	<0.0057					<0.0056	<0.0062
Endosulfan sulfate					<0.0063	<0.0057					<0.0056	<0.0062
Endrin	610	---			<0.0063	<0.0057					<0.0056	<0.0062
Endrin aldehyde					<0.0063	<0.0057					<0.0056	<0.0062
Endrin ketone					<0.0063	<0.0057					<0.0056	<0.0062
Heptachlor	1	11			<0.0063	<0.0057					<0.0056	<0.0062
Heptachlor epoxide	0.6	9.2			<0.0063	<0.0057					<0.0056	<0.0062
Methoxychlor	10000	---			0.0096	<0.0057					<0.0056	<0.0062
Toxaphene	5.2	170			<0.13	<0.11					<0.11	<0.12
Aroclor 1016	1				<0.013	<0.011					<0.011	<0.012
Aroclor 1221	1				<0.013	<0.011					<0.011	<0.012
Aroclor 1232	1				<0.013	<0.011					<0.011	<0.012
Aroclor 1242	1				<0.013	<0.011					<0.011	<0.012
Aroclor 1248	1				<0.013	<0.011					<0.011	<0.012
Aroclor 1254	1				<0.013	0.035					<0.011	0.11
Aroclor 1260	1				<0.013	<0.011					<0.011	<0.012
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12				7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		8960	10900	13700	10600	11000	15000	7670	6890	12100
Antimony	820.00	---		<0.010	<0.010	0.033	<0.010	0.039	<0.010	0.045	<0.010	0.027
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1
Barium	140000.00	910000.00		0.207	0.325	1.16	0.23	0.463	0.429	1.25	0.161	1.92
Beryllium	4100.00	2100.00		<0.001	<0.001	0.008	<0.001	<0.001	<0.001	0.011	<0.001	<0.001
Boron	410000.00	---		17.7	17.3	1010	25.4	42.1	20.3	225	14	44.5
Cadmium	2000.00	2800.00		<0.003	<0.003	0.138 B2	<0.003	0.162 B2	<0.003	0.174 B2	<0.003	0.073 B2
Calcium	---	---		63500	62700	89700	68600	13400	40300	128000	77300	39000
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		14.7	9.56	20.7	9.25	12.9	11.5	8.57	4.76	3.81
Copper	82000.00	---		19.9	32.4	7440	32.9	3570	39.8	6240	15.6	366
Cyanide (amenable)	41000.00	---										
Cyanide				<0.037	0.035 J3	0.061	<0.032	0.108	<0.035	<0.033	<0.039	<0.034
Hardness												
Iron	---	---		22600	28400	57600	19700	79200	24400	21200	10700	34000
Lead	800.00	---		<0.005	<0.005	5.99	<0.005	0.81	<0.005	16.8	<0.005	0.513
Magnesium	---	---		32500	33300	49200	36900	6080	24200	70800	44800	12200
Manganese	41000.00	91000.00		455	674	1940	461	554	676	778	412	16600
Mercury	610.00	16.00		0.01	0.03	0.07	0.02	1.2	0.02	0.12	0.02	0.02
Nickel	41000.00	21000.00		0.015	0.013	0.317	0.014	0.21	0.024	0.391	0.006	0.222
Potassium	---	---		2630	2550	1670	3310	1380	3660	1280	2250	1100
Selenium	10000.00	---		0.026 J6	<0.025 J5	0.025 J6	<0.025 J5	0.029 J6	0.031 J6	0.035 J6	<0.025 J5	0.055
Silver	10000.00	---		<0.003	<0.003	0.004	0.003	<0.003	<0.003	0.005	<0.003	0.008
Sodium	---	---		<234	<238	7160	274	779	<244	1500	247	378
Strontium	1000000.00	---		35.2	25.1	70.5	35.1	42.7	27.3	59.6	28.6	112
Thallium	160.00	---		0.041 B2, V	0.058 B2, V	0.032 B2, V	0.048 B2, V	0.030 B2, V	0.014 B2, V	0.015 B2, V	0.044 B2, V	<0.010 B2, J5
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		<0.025 J5	<0.025 J5	69.7 J6	<0.025 J5	34.1 J6	0.137 J6, V	90.7 J6	<0.025 J5	26.4
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.0098	<0.0044	0.021	<0.0048	0.0099	0.024	0.022	0.0072	0.035
Benzene	100	1.6		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Bromobenzene	16000	810		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Bromochloroethene												
Bromochloromethane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Bromodichloromethane	92	3000		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Bromoform	720	100		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Bromomethane	2900	15		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
2-Butanone (MEK)	1000000	25000		<0.0047	<0.0044	0.0045	<0.0048	<0.0066	<0.0049	<0.0045	<0.005	<0.0059
Carbon Disulfide	200000	720		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Carbon tetrachloride	44	0.64		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Chlorobenzene	41000	210		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Chloroethane	---	1500		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Chloroform	940	0.54		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Chloromethane	---	170		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Dibromochloromethane	92	3000		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,2-Dibromoethane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Dibromomethane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,1-Dichloroethane	200000	1700		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,2-Dichloroethane	63	0.7		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,1-Dichloroethene				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
cis-1,2-Dichloroethene	20000	1200		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.018
trans-1,2-Dichloroethene	41000	3100		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,1-Dichloropropene				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,2-Dichloropropane	84	23		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,3-Dichloropropane	41000	1000		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
2,2-Dichloropropane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
cis-1,3-Dichloropropene	57	2.1		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
trans-1,3-Dichloropropene	57	2.1		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Ethylbenzene	200000	400		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
2-Hexanone (MBK)	10000	720		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.0099
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Methylene Chloride	760	24		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Methyl tert-butyl ether	20000	8800		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
4-Methyl-2pentanone (MIBK)	---	340		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.0048
Stryene	410000	1500		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Tetrachloroethene	110	20		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Trichlorofluoromethane	61000	1400		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0059
Toluene	410000	650		0.0041	0.004	<0.0018	<0.0019	<0.0026	0.0058	0.0039	<0.002	0.0026
1,1,1-Trichloroethane	---	1200		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,1,2-Trichloroethane	8200	1800		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,2,3-Trichloropropane	0.19	5		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,1,1,2-Tetrachloroethane	61000	2100		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024
Trichloroethene	520	8.9		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.087
Vinyl chloride	7.9	1.1		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.019
Xylenes, Total	410000	320		<0.0019	0.0019	<0.0018	<0.0019	<0.0026	<0.002	0.0018	<0.002	0.0055

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.059	<0.058	<0.057	<0.059	0.44	<0.059	0.072	<0.057	0.13
Acenaphthylene	61000	---		<0.059	<0.058	<0.057	<0.059	0.084	<0.059	<0.056	<0.057	<0.059
Acetophenone				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Anthracene	610000	---		<0.059	<0.058	0.12	<0.059	0.81	<0.059	0.17 J3	<0.057	0.37
Azobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Benzo(a)anthracene	8	---		<0.059	<0.058	0.42	<0.059	1.6	<0.059	0.44	<0.057	1.9
Benzo(b)fluoranthene	8	---		<0.059	<0.058	0.64	<0.059	1.6	<0.059	0.46	<0.057	2.5
Benzo(k)fluoranthene	78	---		<0.059	<0.058	0.23	<0.059	0.67	<0.059	<0.28	<0.057	0.97
Benzo(g,h,i)perylene	61000	---		<0.059	<0.058	0.26	<0.059	0.66	<0.059	<0.28	<0.057	0.82
Benzo(a)pyrene	0.8	---		<0.059	<0.058	0.44	<0.059	1.4	<0.059	0.37	<0.057	1.6
Bis(2-chloroethyl)ether	5	0.47		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Bis(2-chloroethoxy)methane				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Bis(2-ethylhexyl)phthalate	410	31000		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	0.63
4-Bromophenyl phenyl ether				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Butyl benzyl phthalate	410000	930		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Carbazole	290	---		<0.059	<0.058	0.08	<0.059	0.34	<0.059	0.077	<0.057	0.18
4-Chloro-3-methylphenol				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
4-Chloroaniline	8200	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059
1-Chloronaphthalene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2-Chloronaphthalene	160000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2-Chlorophenol	10000	53000		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
4-Chlorophenyl phenyl ether				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Chrysene	780	---		<0.059	<0.058	0.48	<0.059	1.5	<0.059	0.53	<0.057	2
1,2-Dichlorobenzene	180000	560		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
1,3-Dichlorobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
1,4-Dichlorobenzene	---	17000		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,4-Dichlorophenol	6100	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Di-n-butyl phthalate	200000	2300		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
Di-n-octyl phthalate	41000	10000		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2
1,2-Dinitrobenzene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
1,3-Dinitrobenzene	200	---		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
1,4-Dinitrobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,6-Dinitrotoluene	8.4	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,4-Dinitrophenol	4100	---		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
2,4-Dinitrotoluene	8.4	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Dibenz(a,h)anthracene	0.8	---		<0.059	<0.058	<0.057	<0.059	0.12	<0.059	<0.28	<0.057	0.16
Dibenzofuran	2000	---		<0.059	<0.058	<0.057	<0.059	0.43	<0.059	0.14	<0.057	0.13
3,3'-Dichlorobenzidine	13	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059
2,6-Dichlorophenol				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Diethyl phthalate	1000000	2000		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Dimethyl phthalate	1000000	1300		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
p-Dimethylaminoazobenzene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
7,12-Dimethylbenzo(a)anthracene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2
2,4-Dimethylphenol	41000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
4,6-Dinitro-2-methylphenol				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
Diphenylamine	51000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Fluoranthene	82000	---		<0.059	<0.058	1.2	<0.059	3.6	<0.059	1.1 J3	<0.057	4
Fluorene	82000	---		<0.059	<0.058	<0.057	<0.059	0.57	<0.059	0.071 J3	<0.057	0.1
Hexachlorobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059
Hexachlorobutadiene	2000			<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Hexachlorocyclopentadiene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19 J3	<0.19	<0.2
Hexachloroethane	2000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Hexachloropropene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Indeno(1,2,3-cd)pyrene	8	---		<0.2	<0.2	0.3	<0.2	0.67	<0.2	<0.96	<0.19	0.86
Isodrin				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Isophorone	410000	4600		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
Isosafrole				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Mestranol				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2
Ethyl methanesulfonate				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Methyl methanesulfonate				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2-Methylnaphthalene	8200	---		<0.059	<0.058	<0.057	<0.059	0.45	<0.059	0.23	<0.057	0.19
2-Methylphenol	100000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
4-Methylphenol	200000	170000		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Naphthalene	41000	270		<0.059	<0.058	<0.057	<0.059	0.74	<0.059	0.26	<0.057	0.14
1-Naphthylamine				<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2	<0.23 O2	<0.2 O2	<0.19 J3, O2	<0.19 O2	<0.2 O2
2-Naphthylamine				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19 J3	<0.19	<0.2
5-Nitroacenaphthene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2-Nitroaniline	31000	28		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
3-Nitroaniline				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
4-Nitroaniline	8200	2400		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Nitrobenzene	1000	140		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
4-Nitrobiphenyl				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
2-Nitrophenol				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2 J5
4-Nitrophenol	16000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
N-Nitrosodi-n-butylamine				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
N-Nitrosodi-n-propylamine	0.8	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
N-Nitrosopiperidine				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,2'-Oxybis (1-chloropropane)				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Pentachlorobenzene	6100	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Pentachloronitrobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Pentachlorophenol	24	---		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
Phenacetin				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2
Phenanthrene	61000	---		<0.059	<0.058	0.65	<0.059	5.1	<0.059	1.1 J3	<0.057	1.8

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089
Lab Sample #				23H1123-06	23H1123-02	23H1123-04	23H1123-05	23H1123-07	23H1123-09	23H1123-08	23H1123-10	23H1144-01
Sample Name				SB-35 (12-14')	SB-36 (1-3')	SB-36 (4-6')	SB-36 (9-11')	SB-37 (5-6')	SB-37 (9-11')	SB-38 (2.5-4.5')	SB-38 (10-12')	SB-39 (5-7)
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date sampled				8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023
Time sampled				1:35 PM	1:20 PM	1:30 PM	1:40 PM	2:02 PM	2:13 PM	2:15 PM	2:25 PM	3:45 PM
% Solids				83.9	85.6305	86.7387	83.68369	74.63271	81.9802	87.96478	79.86179	83.94089
Phenol	610000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2-Picoline				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Pronamide				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Pyrene	61000	---		<0.059	<0.058	0.88	<0.059	4	<0.059	1	<0.057	3.9
Pyridine	2000	200000		<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2	<0.23 O2	<0.2 O2	<0.19 O2	<0.19 O2	<0.2
Safrole				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
1,2,4,5-Tetrachlorobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,3,4,6-Tetrachlorophenol				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
1,2,4-Trichlorobenzene	20000	3200		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,4,5-Trichlorophenol	200000	---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
2,4,6-Trichlorophenol	520	390		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
alpha-BHC	0.9	1.5		<0.0022	<0.0023	<0.0022	<0.0021	<0.0026	<0.0024	<0.0022	<0.0023	<0.0024
beta-BHC				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
delta-BHC				<0.0055	<0.0057	0.0079	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
gamma-BHC	4	---		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
alpha-Chlordane	16	140		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
gamma-Chlordane	16	140		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Dieldrin	0.4	2.2		<0.0022	<0.0023	0.003	<0.0021	<0.0026	<0.0024	0.008	<0.0023	<0.0024
p,p'-DDT	17	1500		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
p,p'-DDD	24	---		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
p,p'-DDE	17	---		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	0.0064
Endosulfan I	12000	---		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Endosulfan II				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	0.0096	<0.0057	<0.006
Endosulfan sulfate				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Endrin	610	---		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Endrin aldehyde				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Endrin ketone				<0.0055	<0.0057	<0.0055	<0.0054	0.018	<0.0059	0.0071	<0.0057	0.012
Heptachlor	1	11		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Heptachlor epoxide	0.6	9.2		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Methoxychlor	10000	---		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006
Toxaphene	5.2	170		<0.11	<0.11	<0.11	<0.11	<0.13	<0.12	<0.11	<0.11	<0.12
Aroclor 1016	1			<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012
Aroclor 1221	1			<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012
Aroclor 1232	1			<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012
Aroclor 1242	1			<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012
Aroclor 1248	1			<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	0.12
Aroclor 1254	1			<0.011	<0.011	0.23	<0.011	<0.013	<0.012	1.2	<0.011	0.18 J6
Aroclor 1260	1			<0.011	<0.011	0.16	<0.011	<0.013	<0.012	<0.011	<0.011	0.096
PCB, Total	1									1.2		
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.2 I, Q	8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		14000	10400	12200	6670	16500	10200	16400		6180
Antimony	820.00	---		0.015	<0.010	<0.010	0.012	<0.010	<0.010	0.011	<0.010	<0.010
Arsenic	13.00	1200.00		<0.010 B1	<0.010 J7, B1	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, I, J3
Barium	140000.00	910000.00		0.454	0.539	0.523	0.519	0.444	0.626	0.535	0.445	0.206
Beryllium	4100.00	2100.00		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---		34.4 J3	17.8	19	354	22.6	16.9	87.2		13
Cadmium	2000.00	2800.00		0.017 B2	<0.003	<0.003	0.019 B2	<0.003	<0.003	0.032 B2	0.003 B2	<0.005
Calcium	---	---		45900	85500	62100	26800	17400	69200	36100		84900
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		6.49 J3	8.4	9.59	12	14	8.46	17.4		6.3
Copper	82000.00	---		483 J3	23.8	28.8	4400	29.8	24.9	2690		17.5
Cyanide (amenable)	41000.00	---										
Cyanide				0.100 J3	<0.034	0.069	0.074	<0.039	<0.033	0.043		<0.033
Hardness												
Iron	---	---		40200	18400	20600	36000	<1330	17600	50200		14600
Lead	800.00	---		0.195	<0.005	<0.005	0.306	<0.005	<0.005	0.269	<0.005	<0.005
Magnesium	---	---		19400	42900	30100	12600	14100	34400	16900		44300
Manganese	41000.00	91000.00		10000	580	472	783	922	525	740		472
Mercury	610.00	16.00		0.12	0.03	0.03	0.04	0.02	0.03	0.09		0.01
Nickel	41000.00	21000.00		0.057	0.007	0.007	0.072	0.02	0.009	0.083	0.026	0.01
Potassium	---	---		1840	2450	3130	921	4060	2330	2180		2060
Selenium	10000.00	---		0.03	0.031 J6	0.034 J6	<0.025 J6	<0.025 J6	<0.025 J5	<0.025 J6	0.027 J5	<0.025
Silver	10000.00	---		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Sodium	---	---		614	<227	<233	2680	<265	<219	2270		<247
Strontium	1000000.00	---		73.8 J3	37.9	35.4	42.7	22.7	37.1	67.2		33.7
Thallium	160.00	---		0.013 B2, J6, V	0.056 V, B2	0.052 B2, V	0.037 B2, V	0.028 B2, V	0.056 B2, V	0.036 B2, V	0.041 B2, V	0.034 B2, J6, V
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		11.6	<0.025 J5	0.026 J6, V	15.2 J6	0.060 J6, V	<0.025 J5	10.9 J6	0.063 J6, V	<0.025
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0051	<0.0049	<0.0046	<0.006	<0.0054	<0.0048	0.0053		<0.0047
Benzene	100	1.6		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Bromobenzene	16000	810		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Bromochloroethene												
Bromochloromethane				<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Bromodichloromethane	92	3000		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Bromoform	720	100		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Bromomethane	2900	15		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
2-Butanone (MEK)	1000000	25000		<0.0051	<0.0049	<0.0046	<0.006	<0.0054	<0.0048	<0.0048		<0.0047
Carbon Disulfide	200000	720		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Carbon tetrachloride	44	0.64		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Chlorobenzene	41000	210		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Chloroethane	---	1500		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Chloroform	940	0.54		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Chloromethane	---	170		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Dibromochloromethane	92	3000		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,2-Dibromoethane				<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Dibromomethane				<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,1-Dichloroethane	200000	1700		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,2-Dichloroethane	63	0.7		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,1-Dichloroethene				0.036	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
cis-1,2-Dichloroethene	20000	1200		0.2 I, L	<0.002	<0.0018	<0.0024	0.0066	<0.0019	<0.0019		<0.0019
trans-1,2-Dichloroethene	41000	3100		0.091	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,1-Dichloropropene				<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,2-Dichloropropane	84	23		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,3-Dichloropropane	41000	1000		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
2,2-Dichloropropane				<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
cis-1,3-Dichloropropene	57	2.1		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
trans-1,3-Dichloropropene	57	2.1		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Ethylbenzene	200000	400		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
2-Hexanone (MBK)	10000	720		0.0034	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Methylene Chloride	760	24		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Methyl tert-butyl ether	20000	8800		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
4-Methyl-2pentanone (MIBK)	---	340		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Stryene	410000	1500		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Tetrachloroethene	110	20		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Trichlorofluoromethane	61000	1400		<0.0051	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Toluene	410000	650		<0.002	<0.002	<0.0018	0.0033	<0.0022	0.0035	0.0049		0.0026
1,1,1-Trichloroethane	---	1200		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,1,2-Trichloroethane	8200	1800		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,2,3-Trichloropropane	0.19	5		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,1,1,2-Tetrachloroethane	61000	2100		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000		<0.002	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Trichloroethene	520	8.9		0.2 I, L	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Vinyl chloride	7.9	1.1		0.12	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019
Xylenes, Total	410000	320		0.0042	<0.002	<0.0018	<0.0024	<0.0022	<0.0019	0.0019		<0.0019

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Acenaphthylene	61000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Acetophenone				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Anthracene	610000	---		<0.057	<0.056	<0.055	0.55	<0.062	<0.055	0.13		<0.057
Azobenzene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Benzo(a)anthracene	8	---		0.12	0.18	0.16	1.3	<0.062	0.062	0.47		<0.057
Benzo(b)fluoranthene	8	---		0.17	0.25	0.23	1.3	<0.062	0.089	0.66		<0.28
Benzo(k)fluoranthene	78	---		0.064	0.11	0.097	0.38	<0.062	<0.055	0.27		<0.28
Benzo(g,h,i)perylene	61000	---		0.068	0.14	0.11	0.51	<0.062	<0.055	0.27		<0.28
Benzo(a)pyrene	0.8	---		0.11	0.2	0.17	0.84	<0.062	0.067	0.44		<0.28
Bis(2-chloroethyl)ether	5	0.47		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Bis(2-chloroethoxy)methane				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Bis(2-ethylhexyl)phthalate	410	31000		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	0.59		<0.19
4-Bromophenyl phenyl ether				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Butyl benzyl phthalate	410000	930		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	0.061		<0.057
Carbazole	290	---		<0.057	<0.056	<0.055	0.26	<0.062	<0.055	0.094		<0.057
4-Chloro-3-methylphenol				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
4-Chloroaniline	8200	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057
1-Chloronaphthalene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2-Chloronaphthalene	160000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2-Chlorophenol	10000	53000		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
4-Chlorophenyl phenyl ether				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Chrysene	780	---		0.14	0.21	0.18	1.6	<0.062	0.072	0.59		<0.057
1,2-Dichlorobenzene	180000	560		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
1,3-Dichlorobenzene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
1,4-Dichlorobenzene	---	17000		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,4-Dichlorophenol	6100	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Di-n-butyl phthalate	200000	2300		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
Di-n-octyl phthalate	41000	10000		<0.19	<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97
1,2-Dinitrobenzene				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
1,3-Dinitrobenzene	200	---		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
1,4-Dinitrobenzene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,6-Dinitrotoluene	8.4	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,4-Dinitrophenol	4100	---		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19
2,4-Dinitrotoluene	8.4	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Dibenz(a,h)anthracene	0.8	---		<0.057	<0.056	<0.055	<0.29	<0.062	<0.055	<0.25		<0.28
Dibenzofuran	2000	---		<0.057	<0.056	<0.055	0.91	<0.062	<0.055	0.078		<0.057
3,3'-Dichlorobenzidine	13	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057
2,6-Dichlorophenol				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Diethyl phthalate	1000000	2000		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Dimethyl phthalate	1000000	1300		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
p-Dimethylaminoazobenzene				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97
2,4-Dimethylphenol	41000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
4,6-Dinitro-2-methylphenol				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
Diphenylamine	51000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Fluoranthene	82000	---		0.26	0.35	0.33	1.7	<0.062	0.12	1.3 J3		<0.057
Fluorene	82000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Hexachlorobenzene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Hexachlorobutadiene	2000			<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Hexachlorocyclopentadiene				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19
Hexachloroethane	2000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Hexachloropropene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Indeno(1,2,3-cd)pyrene	8	---		<0.19	<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97
Isodrin				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Isophorone	410000	4600		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
Isosafrole				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Mestranol				<0.19	<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97
Ethyl methanesulfonate				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Methyl methanesulfonate				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2-Methylnaphthalene	8200	---		0.06	<0.056	<0.055	2.5	<0.062	<0.055	0.13		<0.057
2-Methylphenol	100000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
4-Methylphenol	200000	170000		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Naphthalene	41000	270		<0.057	<0.056	<0.055	1.2	<0.062	<0.055	0.092		<0.057
1-Naphthylamine				<0.19 O2	<0.19 O2	<0.19 O2	<0.19 O2	<0.21 O2	<0.19 O2	<0.17 J3, O2		<0.19 O2
2-Naphthylamine				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19
5-Nitroacenaphthene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2-Nitroaniline	31000	28		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
3-Nitroaniline				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057
4-Nitroaniline	8200	2400		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057
Nitrobenzene	1000	140		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
4-Nitrobiphenyl				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
2-Nitrophenol				<0.19 J5	<0.19 J5	<0.19 J5	<0.19 J5	<0.21 J5	<0.19 J5	<0.17 J5		<0.19 J5
4-Nitrophenol	16000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
N-Nitrosodi-n-butylamine				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
N-Nitrosodi-n-propylamine	0.8	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
N-Nitrosopiperidine				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,2'-Oxybis (1-chloropropane)				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Pentachlorobenzene	6100	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Pentachloronitrobenzene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Pentachlorophenol	24	---		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
Phenacetin				<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
Phenanthrene	61000	---		0.19	0.13	0.16	4.7	<0.062	<0.055	0.67 J3		<0.057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643
Phenol	610000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2-Picoline				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Pronamide				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Pyrene	61000	---		0.22	0.35	0.31	2.6	<0.062	0.12	1.3 J3		<0.057
Pyridine	2000	200000		<0.19	<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19
Safrole				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
1,2,4,5-Tetrachlorobenzene				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,3,4,6-Tetrachlorophenol				<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
1,2,4-Trichlorobenzene	20000	3200		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,4,5-Trichlorophenol	200000	---		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
2,4,6-Trichlorophenol	520	390		<0.057	<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
alpha-BHC	0.9	1.5		<0.0024	<0.0023	<0.0023	<0.0024	<0.0026	<0.0023	<0.0021		<0.0024
beta-BHC				<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
delta-BHC				<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
gamma-BHC	4	---		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
alpha-Chlordane	16	140		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
gamma-Chlordane	16	140		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
Dieldrin	0.4	2.2		<0.0024	<0.0023	<0.0023	<0.0024	<0.0026	<0.0023	<0.0021 J3		<0.0024
p,p'-DDT	17	1500		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
p,p'-DDD	24	---		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
p,p'-DDE	17	---		<0.0061	<0.0057	<0.0057	0.014	<0.0065	<0.0057	<0.0053 J3		<0.006
Endosulfan I	12000	---		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
Endosulfan II				<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	0.0096 J3		<0.006
Endosulfan sulfate				<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
Endrin	610	---		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
Endrin aldehyde				<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
Endrin ketone				<0.0061	<0.0057	<0.0057	0.033	<0.0065	<0.0057	0.0069 J3		<0.006
Heptachlor	1	11		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
Heptachlor epoxide	0.6	9.2		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006
Methoxychlor	10000	---		<0.0061	<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006
Toxaphene	5.2	170		<0.12	<0.11	<0.11	<0.12	<0.13	<0.11	<0.11		<0.12
Aroclor 1016	1			<0.012	<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012
Aroclor 1221	1			<0.012	<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012
Aroclor 1232	1			<0.012	<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012
Aroclor 1242	1			<0.012	<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012
Aroclor 1248	1			<0.012	<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012
Aroclor 1254	1			<0.012 J5	<0.011 J5	<0.011 J5	<0.012 J3, J5	<0.013 J5	<0.011 J5	0.84 J6		<0.012 J5
Aroclor 1260	1			<0.012	<0.011	<0.011	<0.012	<0.013	<0.011	0.52		<0.012
PCB, Total	1									1.36		
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.3 I, Q	8.4 I, Q	8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975	23H1144-07 SB-42 (10-12) Soil 8/21/2023 5:10 PM 82.35867	23H1123-21 SB-43 (4-5') Soil 8/21/2023 3:48 PM 88.95583	23H1123-22 SB-43 (11-12') Soil 8/21/2023 3:52 PM 81.12094	23H1144-10 SB-44 (4-6) Soil 8/22/2023 9:20 AM 80.65476	23H1144-12 SB-44 (10-12) Soil 8/22/2023 9:30 AM 80.6	23H1144-03 SB-45 (2-3) Soil 8/21/2023 4:33 PM 88.94422	23H1144-04 SB-45 (10-11) Soil 8/21/2023 4:55 PM 82.74162
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		9920	10700	8400	10300	14200	6820	12400	19300	7120
Antimony	820.00	---		<0.010	<0.010	<0.010	<0.010	<0.010	0.077	<0.010	0.075	<0.010
Arsenic	13.00	1200.00		<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1, J7	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1
Barium	140000.00	910000.00		0.48	0.558	0.15	0.494	0.809	1.09	0.286	2.27	0.233
Beryllium	4100.00	2100.00		<0.001	<0.001	<0.001	<0.001	<0.001	0.007	<0.001	0.017	<0.001
Boron	410000.00	---		19.2	50	13.1	18.5	23.1	132	21.5	999	20.3
Cadmium	2000.00	2800.00		<0.005	<0.005 B2	<0.005	0.004 B2	<0.005 B2	0.143 B2	<0.005	0.321 B2	<0.005
Calcium	---	---		61600	71400	58600	91500	73000	30400	49100	29900	74100
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		6.14	7.77	6.84	9.66	8.97	12	6.08	26.3	7.82
Copper	82000.00	---		140	312	19.5	75.4	22.5	1730	11.6	26800	34.3
Cyanide (amenable)	41000.00	---										
Cyanide				0.088	0.117	<0.039	0.043	0.041	<0.038	<0.036	0.046 J3	<0.033
Hardness												
Iron	---	---		14100	18000	17900	17200	27900	24100	12300	80400	16900
Lead	800.00	---		<0.005	0.007	<0.005	<0.005 V	<0.005	6.07	<0.005	17.8	<0.005
Magnesium	---	---		22500	30300	35000	47400	33100	13600	30900	12700	36200
Manganese	41000.00	91000.00		370	494	399	461	511	439	403	2490	393
Mercury	610.00	16.00		0.04	0.08	0.01	0.02	0.02	0.26	0.02	0.43	0.01
Nickel	41000.00	21000.00		0.005	0.007	0.012	0.077	0.022	0.341	0.009	0.458	0.016
Potassium	---	---		1700	2270	2360	3010	4000	980	3410	1650	2060
Selenium	10000.00	---		<0.025	<0.025	<0.025	<0.025 I, J3, J5	0.032	<0.025	<0.025	0.035	0.029
Silver	10000.00	---		<0.003	<0.003	<0.003	0.003	<0.003	<0.003	<0.003	0.004	<0.003
Sodium	---	---		516	790	<243	393	447	1970	261	6690	250
Strontium	1000000.00	---		34.8	43.1	27.3	41.7	55.2	39.9	26	112	39.5
Thallium	160.00	---		0.034 B2, J6, V	0.039 B2, J6, V	0.035 B2, J6, V	<0.010 B1, I, J3	<0.010 B2, V	<0.010 B2, J5	0.034 B2, J6, V	<0.010 B2, J5	0.035 B2, J6, V
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		0.133	0.285	<0.025	0.219	<0.025	81.2	<0.025	182	<0.025
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0045	<0.0046	0.0055	<0.0048	0.011	0.097	0.0087	<0.0051	<0.0051
Benzene	100	1.6		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Bromobenzene	16000	810		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Bromochloroethene												
Bromochloromethane				<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Bromodichloromethane	92	3000		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Bromoform	720	100		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Bromomethane	2900	15		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
2-Butanone (MEK)	1000000	25000		<0.0045	<0.0046	<0.0044	<0.0048	<0.0049	0.018	<0.0047	<0.0051	<0.0051
Carbon Disulfide	200000	720		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Carbon tetrachloride	44	0.64		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Chlorobenzene	41000	210		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Chloroethane	---	1500		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Chloroform	940	0.54		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Chloromethane	---	170		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Dibromochloromethane	92	3000		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,2-Dibromoethane				<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Dibromomethane				<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,1-Dichloroethane	200000	1700		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,2-Dichloroethane	63	0.7		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,1-Dichloroethene				<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
cis-1,2-Dichloroethene	20000	1200		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	0.0041	0.0051	0.014
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,1-Dichloropropene				<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,2-Dichloropropane	84	23		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,3-Dichloropropane	41000	1000		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
2,2-Dichloropropane				<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Ethylbenzene	200000	400		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
2-Hexanone (MBK)	10000	720		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Methylene Chloride	760	24		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Stryene	410000	1500		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Tetrachloroethene	110	20		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
Trichlorofluoromethane	61000	1400		<0.0045	<0.0046	<0.0044	<0.0019	<0.002	<0.007	<0.0047	<0.0051	<0.0051
Toluene	410000	650		0.003	<0.0018	<0.0017	0.0037	0.0076	0.0052	0.0055	<0.0021	<0.002
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0018	<0.0017	<0.0019	<0.002	0.0029	<0.0019	<0.0021	<0.002
Trichloroethene	520	8.9		0.0031	0.0023	0.0017	<0.0019	<0.002	<0.0028	<0.0019	0.022	0.0064
Vinyl chloride	7.9	1.1		<0.0018	<0.0018	<0.0017	<0.0019	0.015	<0.0028	0.031	<0.0021	<0.002
Xylenes, Total	410000	320		0.0036	0.0023	0.0022	<0.0019	0.002	0.0057	0.0039	0.0041	0.0026

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation										
			Lab Sample #	23H1144-05	23H1144-06	23H1144-07	23H1123-21	23H1123-22	23H1144-10	23H1144-12	23H1144-03	23H1144-04
			Sample Name	SB-42 (0-2)	SB-42 (0-2) D	SB-42 (10-12)	SB-43 (4-5')	SB-43 (11-12')	SB-44 (4-6)	SB-44 (10-12)	SB-45 (2-3)	SB-45 (10-11)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/21/2023	8/21/2023
			Time sampled	4:50 PM	4:50 PM	5:10 PM	3:48 PM	3:52 PM	9:20 AM	9:30 AM	4:33 PM	4:55 PM
			% Solids	88.60511	90.04975	82.35867	88.95583	81.12094	80.65476	80.6	88.94422	82.74162
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		0.14	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Acenaphthylene	61000	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Acetophenone				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Anthracene	610000	---		0.36	0.093	<0.061	<0.053	<0.06	0.08	<0.062	0.064	<0.06
Azobenzene				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Benzo(a)anthracene	8	---		0.95	0.38	<0.061	0.098	<0.06	0.21	<0.062	0.22	<0.06
Benzo(b)fluoranthene	8	---		1.1	0.48	<0.061	<0.27	<0.06	0.31	<0.31	0.31	<0.06
Benzo(k)fluoranthene	78	---		0.45	0.22	<0.061	<0.27	<0.06	<0.31	<0.31	0.11	<0.06
Benzo(g,h,i)perylene	61000	---		0.44	0.23	<0.061	<0.27	<0.06	<0.31	<0.31	0.13	<0.06
Benzo(a)pyrene	0.8	---		0.87	0.38	<0.061	<0.27	<0.06	<0.31	<0.31	0.19	<0.06
Bis(2-chloroethyl)ether	5	0.47		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Bis(2-chloroethoxy)methane				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Bis(2-ethylhexyl)phthalate	410	31000		<0.18	<0.17	<0.21	<0.18	<0.2	0.54	<0.21	<0.19	<0.2
4-Bromophenyl phenyl ether				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Butyl benzyl phthalate	410000	930		<0.052	<0.051	<0.061	<0.053	<0.06	0.071	<0.062	<0.056	<0.06
Carbazole	290	---		0.096	0.064	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4-Chloro-3-methylphenol				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4-Chloroaniline	8200	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
1-Chloronaphthalene				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2-Chloronaphthalene	160000	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2-Chlorophenol	10000	53000		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4-Chlorophenyl phenyl ether				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Chrysene	780	---		0.97	0.41	<0.061	0.1	<0.06	0.3	<0.062	0.3	<0.06
1,2-Dichlorobenzene	180000	560		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
1,3-Dichlorobenzene				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
1,4-Dichlorobenzene	---	17000		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,4-Dichlorophenol	6100	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Di-n-butyl phthalate	200000	2300		<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Di-n-octyl phthalate	41000	10000		<0.18	<0.17	<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2
1,2-Dinitrobenzene				<0.18	<0.17 J1	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
1,3-Dinitrobenzene	200	---		<0.18	<0.17 J1	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
1,4-Dinitrobenzene				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,6-Dinitrotoluene	8.4	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,4-Dinitrophenol	4100	---		<0.18	<0.17 J1	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
2,4-Dinitrotoluene	8.4	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Dibenz(a,h)anthracene	0.8	---		0.08	<0.051	<0.061	<0.27	<0.06	<0.31	<0.31	<0.056	<0.06
Dibenzofuran	2000	---		0.089	<0.051 J1	<0.061	<0.053	<0.06	0.1	<0.062	0.065	<0.06
3,3'-Dichlorobenzidine	13	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,6-Dichlorophenol				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Diethyl phthalate	1000000	2000		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Dimethyl phthalate	1000000	1300		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
p-Dimethylaminoazobenzene				<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
7,12-Dimethylbenzo(a)anthracene				<0.18	<0.17	<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2
2,4-Dimethylphenol	41000	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4,6-Dinitro-2-methylphenol				<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Diphenylamine	51000	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Fluoranthene	82000	---		2.4	0.95	<0.061	0.19	<0.06	0.41	<0.062	0.45	<0.06
Fluorene	82000	---		0.15	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Hexachlorobenzene				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Hexachlorobutadiene	2000			<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Hexachlorocyclopentadiene				<0.18	<0.17 J1	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Hexachloroethane	2000	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Hexachloropropene				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Indeno(1,2,3-cd)pyrene	8	---		0.47	0.25	<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2
Isodrin				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Isophorone	410000	4600		<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Isosafrole				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Mestranol				<0.18	<0.17	<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2
Ethyl methanesulfonate				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Methyl methanesulfonate				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2-Methylnaphthalene	8200	---		<0.052	<0.051	<0.061	<0.053	<0.06	0.34	<0.062	0.14	<0.06
2-Methylphenol	100000	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4-Methylphenol	200000	170000		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Naphthalene	41000	270		<0.052	<0.051	<0.061	<0.053	<0.06	0.24	<0.062	0.096	<0.06
1-Naphthylamine				<0.18 O2	<0.17 J1, O2	<0.21 O2	<0.18 O2	<0.2 O2	<0.21 O2	<0.21 O2	<0.19 O2	<0.2 O2
2-Naphthylamine				<0.18	<0.17 J1	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
5-Nitroacenaphthene				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2-Nitroaniline	31000	28		<0.18	<0.17 J1	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
3-Nitroaniline				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4-Nitroaniline	8200	2400		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Nitrobenzene	1000	140		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
4-Nitrobiphenyl				<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
2-Nitrophenol				<0.18 J5	<0.17 J5	<0.21 J5	<0.18 J5	<0.2 J5	<0.21 J5	<0.21 J5	<0.19 J5	<0.2 J5
4-Nitrophenol	16000	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
N-Nitrosodi-n-butylamine				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
N-Nitrosodi-n-propylamine	0.8	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
N-Nitrosopiperidine				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,2'-Oxybis (1-chloropropane)				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Pentachlorobenzene	6100	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Pentachloronitrobenzene				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Pentachlorophenol	24	---		<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Phenacetin				<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Phenanthrene	61000	---		1.8	0.63	<0.061	0.12	<0.06	0.52	<0.062	0.51	<0.06

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975	23H1144-07 SB-42 (10-12) Soil 8/21/2023 5:10 PM 82.35867	23H1123-21 SB-43 (4-5') Soil 8/21/2023 3:48 PM 88.95583	23H1123-22 SB-43 (11-12') Soil 8/21/2023 3:52 PM 81.12094	23H1144-10 SB-44 (4-6) Soil 8/22/2023 9:20 AM 80.65476	23H1144-12 SB-44 (10-12) Soil 8/22/2023 9:30 AM 80.6	23H1144-03 SB-45 (2-3) Soil 8/21/2023 4:33 PM 88.94422	23H1144-04 SB-45 (10-11) Soil 8/21/2023 4:55 PM 82.74162
Phenol	610000	---		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2-Picoline				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Pronamide				<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Pyrene	61000	---		1.9	0.83	<0.061	0.19	<0.06	0.51	<0.062	0.48	<0.06
Pyridine	2000	200000		<0.18	<0.17	<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2
Safrole				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
1,2,4,5-Tetrachlorobenzene				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,3,4,6-Tetrachlorophenol				<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
1,2,4-Trichlorobenzene	20000	3200		<0.052	<0.051	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,4,5-Trichlorophenol	200000	---		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
2,4,6-Trichlorophenol	520	390		<0.052	<0.051 J1	<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
alpha-BHC	0.9	1.5		<0.0022	<0.0022	<0.0024	<0.0022	<0.0025	0.0028	<0.0025	<0.0022	<0.0024
beta-BHC				<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
delta-BHC				<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
gamma-BHC	4	---		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
alpha-Chlordane	16	140		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
gamma-Chlordane	16	140		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Dieldrin	0.4	2.2		<0.0022	<0.0022	<0.0024	<0.0022	<0.0025	0.008	<0.0025	0.013	<0.0024
p,p'-DDT	17	1500		<0.0056	0.0063	<0.006	<0.0056	<0.0062	<0.12	<0.0062	<0.0056	<0.006
p,p'-DDD	24	---		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	0.27	<0.0062	<0.0056	<0.006
p,p'-DDE	17	---		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	0.21	<0.0062	<0.0056	<0.006
Endosulfan I	12000	---		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Endosulfan II				<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	0.018	<0.006
Endosulfan sulfate				<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Endrin	610	---		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Endrin aldehyde				<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Endrin ketone				<0.0056	0.013	<0.006	<0.0056	<0.0062	0.017	<0.0062	0.0092	<0.006
Heptachlor	1	11		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Heptachlor epoxide	0.6	9.2		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Methoxychlor	10000	---		<0.0056	<0.0055	<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006
Toxaphene	5.2	170		<0.11	<0.11	<0.12	<0.11	<0.12	<0.12	<0.12	<0.11	<0.12
Aroclor 1016	1			<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012
Aroclor 1221	1			<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012
Aroclor 1232	1			<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012
Aroclor 1242	1			<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012
Aroclor 1248	1			<0.011	<0.011	<0.012	<0.011	<0.012	0.51	<0.012	<0.011	<0.012
Aroclor 1254	1			0.072 J6	0.16 J6	<0.012 J5	<0.011 J5	<0.012 J5	0.65 J6	<0.012 J5	1.8 J6	<0.012 J5
Aroclor 1260	1			0.063	<0.011	<0.012	<0.011	<0.012	0.65	<0.012	<0.011	<0.012
PCB, Total	1								1.81		1.8	
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.5 I, Q	8.8 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		8130	11700	9240	5970	13800	12500	3670	9380	7170
Antimony	820.00	---		0.023	<0.010	<0.010	0.085	<0.010	<0.010	0.071	<0.010	<0.010
Arsenic	13.00	1200.00		<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1
Barium	140000.00	910000.00		0.802	0.169	0.319	1.09	0.487	0.433	1.4	0.706	0.587
Beryllium	4100.00	2100.00		0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---		42	19.5	9.45	300	19.1	28.8	13.8	19.3	87.2
Cadmium	2000.00	2800.00		0.067 B2	<0.005	<0.005	0.090 B2	<0.005 B2	<0.005	0.633	<0.005	0.030 B2
Calcium	---	---		6470	22700	24600	87300	34100	65700	1860	100000	94300
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		32.8	7.08	8.87	7.12	8.93	10.4	5.22	8.4	7.35
Copper	82000.00	---		509	15.6	69	1140	26.1	55.1	24200	46	1880
Cyanide (amenable)	41000.00	---										
Cyanide				0.234	<0.033	<0.034	0.066	<0.033	<0.036	0.042	<0.032	1.02
Hardness												
Iron	---	---		28800	16000	15200	27700	20900	21600	17900	15100	19100
Lead	800.00	---		1.27	<0.005	<0.005	3.66	0.009	<0.005	51.3	0.006	0.125
Magnesium	---	---		2180	16100	13000	46800	23100	32200	962	50600	49000
Manganese	41000.00	91000.00		369	204	549	541	325	720	158	578	535
Mercury	610.00	16.00		0.14	0.01	0.03	0.4	0.02	0.08	1.31	0.01	0.04
Nickel	41000.00	21000.00		0.271	0.009	0.006	0.093	0.016	0.011	0.089	0.058	0.072
Potassium	---	---		505	3090	1710	981	3730	2650	443	3430	1290
Selenium	10000.00	---		<0.025	<0.025	<0.025	0.026	<0.025	<0.025 J5	<0.025 J5	<0.025 J5	<0.025
Silver	10000.00	---		<0.003	<0.003	<0.003	<0.003	<0.003	0.004	<0.003	0.006	<0.003
Sodium	---	---		582	<240	<222	1670	<242	316	<256	244	674
Strontium	1000000.00	---		45.6	16.6	15.7	40.9	27.3	36.2	25.9	65.4	41.8
Thallium	160.00	---		0.012 B2, J6, V	0.030 B2, J6, V	0.042 B2, J6, V	0.016 B2, J6, V	<0.010 B2, J5	<0.025 B1	<0.025 B1	<0.025 B1	0.026 B2, J6, V
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		36.5	<0.025	<0.025	44.6	0.619	0.074	93.1	0.062	7.2
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0096	<0.0052	<0.0046	<0.005	0.011	<0.0047	<0.0053	0.01	<0.0043
Benzene	100	1.6		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Bromobenzene	16000	810		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Bromochloroethene												
Bromochloromethane				<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Bromodichloromethane	92	3000		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Bromoform	720	100		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Bromomethane	2900	15		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
2-Butanone (MEK)	1000000	25000		<0.0096	<0.0052	<0.0046	<0.005	<0.0049	<0.0047	<0.0053	<0.0042	<0.0043
Carbon Disulfide	200000	720		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Carbon tetrachloride	44	0.64		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Chlorobenzene	41000	210		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Chloroethane	---	1500		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Chloroform	940	0.54		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Chloromethane	---	170		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Dibromochloromethane	92	3000		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,2-Dibromoethane				<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Dibromomethane				<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,1-Dichloroethane	200000	1700		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,2-Dichloroethane	63	0.7		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,1-Dichloroethene				<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
cis-1,2-Dichloroethene	20000	1200		<0.0038	0.0026	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
trans-1,2-Dichloroethene	41000	3100		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,1-Dichloropropene				<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,2-Dichloropropane	84	23		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,3-Dichloropropane	41000	1000		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
2,2-Dichloropropane				<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
cis-1,3-Dichloropropene	57	2.1		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
trans-1,3-Dichloropropene	57	2.1		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Ethylbenzene	200000	400		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
2-Hexanone (MBK)	10000	720		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Methylene Chloride	760	24		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Methyl tert-butyl ether	20000	8800		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
4-Methyl-2pentanone (MIBK)	---	340		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Stryene	410000	1500		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Tetrachloroethene	110	20		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	0.004
Trichlorofluoromethane	61000	1400		<0.0096	<0.0052	<0.0046	<0.005	<0.0049	<0.0047	<0.0053	<0.0042	
Toluene	410000	650		<0.0038	<0.0021	<0.0018	<0.002	0.0054	0.0034	<0.0021	0.0021	<0.0017
1,1,1-Trichloroethane	---	1200		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,1,2-Trichloroethane	8200	1800		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,2,3-Trichloropropane	0.19	5		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,1,1,2-Tetrachloroethane	61000	2100		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Trichloroethene	520	8.9		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Vinyl chloride	7.9	1.1		<0.0038	<0.0021	<0.0018	<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017
Xylenes, Total	410000	320		0.0049	0.0026	0.0023	0.0026	0.004	0.0026	0.0027	0.0022	<0.0017

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633
Lab Sample #				23H1144-14	23H1144-15	23H1144-08	23H1144-09	23H1144-13	23H1144-18	23H1144-19	23H1144-20	23H1144-16
Sample Name				SB-46 (4-6)	SB-46 (9-11)	SB-47 (1-2)	SB-47 (3-5)	SB-47 (9-11)	SB-48 (1-3)	SB-48 (5.5-7.5)	SB-48 (14-16)	SB-49 (4-5)
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date sampled				8/22/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023
Time sampled				9:55 AM	10:05 AM	9:14 AM	9:29 AM	9:44 AM	10:55 AM	11:05 AM	11:23 AM	10:37 AM
% Solids				80.63873	80.2	90.00999	90.60939	84.21053	83.3996	77.99802	87.29389	93.36633
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Acenaphthylene	61000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Acetophenone				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Anthracene	610000	---		0.37	<0.3	<0.056	<0.11	<0.054	<0.059	0.078	<0.053	0.13
Azobenzene				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Benzo(a)anthracene	8	---		1.7	<0.06	0.12	0.22	<0.054	<0.059	0.28	<0.053	0.95
Benzo(b)fluoranthene	8	---		1.7	<0.3	<0.28	<0.55	<0.054	<0.059	0.44	<0.053	1.7
Benzo(k)fluoranthene	78	---		0.46	<0.3	<0.28	<0.55	<0.054	<0.059	0.15	<0.053	0.61
Benzo(g,h,i)perylene	61000	---		1.2	<0.3	<0.28	<0.55	<0.054	<0.059	0.16	<0.053	0.75
Benzo(a)pyrene	0.8	---		1.9	<0.3	<0.28	<0.55	<0.054	<0.059	0.27	<0.053	1.3
Bis(2-chloroethyl)ether	5	0.47		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Bis(2-chloroethoxy)methane				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Bis(2-ethylhexyl)phthalate	410	31000		<0.99	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.88
4-Bromophenyl phenyl ether				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Butyl benzyl phthalate	410000	930		<0.29	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.26
Carbazole	290	---		0.19	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4-Chloro-3-methylphenol				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4-Chloroaniline	8200	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
1-Chloronaphthalene				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2-Chloronaphthalene	160000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2-Chlorophenol	10000	53000		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4-Chlorophenyl phenyl ether				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Chrysene	780	---		2.7	<0.06	0.15	0.26	<0.054	<0.059	0.35	<0.053	1.2
1,2-Dichlorobenzene	180000	560		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
1,3-Dichlorobenzene				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
1,4-Dichlorobenzene	---	17000		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,4-Dichlorophenol	6100	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Di-n-butyl phthalate	200000	2300		<0.2	<1	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
Di-n-octyl phthalate	41000	10000		<0.99	<1	<0.94	<1.9	<0.18	<0.2	<0.21	<0.18	<0.88
1,2-Dinitrobenzene				<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
1,3-Dinitrobenzene	200	---		<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
1,4-Dinitrobenzene				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,6-Dinitrotoluene	8.4	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,4-Dinitrophenol	4100	---		<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
2,4-Dinitrotoluene	8.4	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Dibenz(a,h)anthracene	0.8	---		0.57	<0.3	<0.28	<0.55	<0.054	<0.059	<0.062	<0.053	<0.26
Dibenzofuran	2000	---		0.36	<0.06	<0.056	<0.11	<0.054	<0.059	0.074	<0.053	<0.052
3,3'-Dichlorobenzidine	13	---		<0.29	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.26
2,6-Dichlorophenol				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Diethyl phthalate	1000000	2000		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Dimethyl phthalate	1000000	1300		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
p-Dimethylaminoazobenzene				<0.99	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.88
7,12-Dimethylbenzo(a)anthracene				<0.99	<1	<0.94	<1.9	<0.18	<0.2	<0.21	<0.18	<0.88
2,4-Dimethylphenol	41000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4,6-Dinitro-2-methylphenol				<0.2	<1	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
Diphenylamine	51000	---		<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Fluoranthene	82000	---		1.3	<0.3	0.28	0.4	<0.054	<0.059	0.46	<0.053	1.4
Fluorene	82000	---		0.12	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Hexachlorobenzene				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Hexachlorobutadiene	2000			<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Hexachlorocyclopentadiene				<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
Hexachloroethane	2000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Hexachloropropene				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Indeno(1,2,3-cd)pyrene	8	---		<0.99	<1	<0.94	<1.9	<0.18	<0.2	<0.21	<0.18	0.89
Isodrin				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Isophorone	410000	4600		<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
Isosafrole				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Mestranol				<0.99	<1	<0.94	<1.9	<0.18	<0.2	<0.21	<0.18	<0.88
Ethyl methanesulfonate				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Methyl methanesulfonate				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2-Methylnaphthalene	8200	---		1.1	<0.06	<0.056	<0.11	<0.054	<0.059	0.4	<0.053	0.1
2-Methylphenol	100000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4-Methylphenol	200000	170000		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Naphthalene	41000	270		0.6	<0.06	<0.056	<0.11	<0.054	<0.059	0.31	<0.053	0.056
1-Naphthylamine				<0.2 O2	<0.2 O2	<0.19 O2	<0.37 O2	<0.18 O2	<0.2 O2	<0.21 O2	<0.18 O2	<0.18 O2
2-Naphthylamine				<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
5-Nitroacenaphthene				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2-Nitroaniline	31000	28		<0.2	<0.2	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
3-Nitroaniline				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4-Nitroaniline	8200	2400		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Nitrobenzene	1000	140		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
4-Nitrobiphenyl				<0.2	<1	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
2-Nitrophenol				<0.2	<0.2	<0.19 J5	<0.37 J5	<0.18	<0.2	<0.21	<0.18	<0.18
4-Nitrophenol	16000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
N-Nitrosodi-n-butylamine				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
N-Nitrosodi-n-propylamine	0.8	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
N-Nitrosopiperidine				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,2'-Oxybis (1-chloropropane)				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Pentachlorobenzene	6100	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Pentachloronitrobenzene				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Pentachlorophenol	24	---		<0.2	<1	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
Phenacetin				<0.2	<1	<0.19	<0.37	<0.18	<0.2	<0.21	<0.18	<0.18
Phenanthrene	61000	---		3.4	<0.3	0.11	0.31	<0.054	<0.059	0.56	<0.053	0.59

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633
Phenol	610000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2-Picoline				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Pronamide				<0.058	<0.3	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Pyrene	61000	---		1.8	<0.06	0.23	0.54	<0.054	<0.059	0.41	<0.053	1.2
Pyridine	2000	200000		<0.2 O2	<0.2 O2	<0.19	<0.37	<0.18 O2	<0.2	<0.21	<0.18	<0.18 O2
Safrole				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
1,2,4,5-Tetrachlorobenzene				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,3,4,6-Tetrachlorophenol				<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
1,2,4-Trichlorobenzene	20000	3200		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,4,5-Trichlorophenol	200000	---		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
2,4,6-Trichlorophenol	520	390		<0.058	<0.06	<0.056	<0.11	<0.054	<0.059	<0.062	<0.053	<0.052
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
alpha-BHC	0.9	1.5		<0.0023	<0.0024	<0.0022	<0.0022	<0.0021	<0.0022	<0.0025	<0.0022	<0.0021
beta-BHC				<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
delta-BHC				<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
gamma-BHC	4	---		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
alpha-Chlordane	16	140		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
gamma-Chlordane	16	140		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Dieldrin	0.4	2.2		<0.0023	<0.0024	<0.0022	<0.0022	<0.0021	<0.0022	<0.0025	<0.0022	0.011
p,p'-DDT	17	1500		<0.0058	<0.0061	0.0098	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
p,p'-DDD	24	---		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
p,p'-DDE	17	---		<0.0058	<0.0061	0.057	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Endosulfan I	12000	---		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Endosulfan II				<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	0.0077
Endosulfan sulfate				<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Endrin	610	---		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Endrin aldehyde				<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Endrin ketone				0.019	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	0.0075
Heptachlor	1	11		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Heptachlor epoxide	0.6	9.2		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Methoxychlor	10000	---		<0.0058	<0.0061	<0.0055	<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052
Toxaphene	5.2	170		<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.1
Aroclor 1016	1			<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.013	<0.011	<0.01
Aroclor 1221	1			<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.013	<0.011	<0.01
Aroclor 1232	1			<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.013	<0.011	<0.01
Aroclor 1242	1			<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.013	<0.011	<0.01
Aroclor 1248	1			<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.013	<0.011	<0.01
Aroclor 1254	1			<0.012 J3	<0.012	<0.011 J5	<0.011 J5	<0.011	0.21	<0.013	<0.011	1.7
Aroclor 1260	1			<0.012	<0.012	<0.011	0.067	<0.011	0.16	<0.013	<0.011	<0.01
PCB, Total	1											1.7
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			7.7 I, Q	8.0 I, Q	8.2 I, Q	8.3 I, Q	8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		10500	8720	5990	9600	12400	6640	14100	15100	13100
Antimony	820.00	---		<0.010	0.058	<0.010	0.019	<0.010	0.072	<0.010	<0.010	<0.010
Arsenic	13.00	1200.00		<0.010 B1, I	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1
Barium	140000.00	910000.00		0.671	1.73	0.23	1.7	0.636	1.52	0.81	0.55	0.538
Beryllium	4100.00	2100.00		<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---		21.4	507	18.9	43.3 J3	24.6	21.5	17.5	18.9	18.5
Cadmium	2000.00	2800.00		<0.005	0.495	0.014	0.011	<0.005	0.471	<0.005	<0.005	<0.005
Calcium	---	---		79200	11900	79900	4660	78300	8160	5310	40400	56500
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		8.92	11.7	7.75	17.8 J3	10.3	7.35	19.7	13.5	8.87
Copper	82000.00	---		19.9	53300	35.5	943	23.3	14500	25.7	88.4	122
Cyanide (amenable)	41000.00	---										
Cyanide				<0.031	0.045 J3	<0.034 J3	0.111	<0.035	0.182	<0.036	0.07	0.066
Hardness												
Iron	---	---		16500	38800	12800	51100	17700	18300	33500	22500	19000
Lead	800.00	---		<0.005	26.2	0.007	143	0.012	42.3	0.028	0.012	0.006
Magnesium	---	---		39100	4740	42300	1310	37700	3900	6740	21100	31000
Manganese	41000.00	91000.00		486	1210	553	151	503	453	1340	512	418
Mercury	610.00	16.00		0.01	1.07	0.02	0.02 J3	0.02	0.7	0.01	0.22	0.15
Nickel	41000.00	21000.00		0.047	0.382	0.01	0.023	0.084	0.151	0.026	0.022	0.019
Potassium	---	---		3690	766	2330	1360	4270	745	2890	2830	2760
Selenium	10000.00	---		<0.025 J3, J5	0.025 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.027 J6	0.027 J6	<0.025 J5	<0.025 J5
Silver	10000.00	---		0.005	<0.003	0.006	<0.003	0.005	<0.003	<0.003	0.004	0.004
Sodium	---	---		<232	2550	274	632	263	<273	255	599	554
Strontium	1000000.00	---		58.8	35.8	28.8	35	56.3	28.2	17.1	27.4	33.8
Thallium	160.00	---		<0.025 B1, I	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		<0.025	137	0.121	6.65	0.047	83.5	0.372	0.367	0.21
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0042	<0.005	<0.0044	<0.0054	<0.0041	<0.0068	<0.0049	<0.0044	<0.0048
Benzene	100	1.6		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Bromobenzene	16000	810		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Bromochloroethene												
Bromochloromethane				<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Bromodichloromethane	92	3000		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Bromoform	720	100		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Bromomethane	2900	15		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
2-Butanone (MEK)	1000000	25000		<0.0042	<0.005	<0.0044	<0.0054	<0.0041	<0.0068	<0.0049	<0.0044	<0.0048
Carbon Disulfide	200000	720		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Carbon tetrachloride	44	0.64		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Chlorobenzene	41000	210		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Chloroethane	---	1500		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Chloroform	940	0.54		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Chloromethane	---	170		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Dibromochloromethane	92	3000		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,2-Dibromoethane				<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Dibromomethane				<0.0017	<0.002	<0.0018	<0.0022	<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019
1,1-Dichloroethane	200000	1700		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,2-Dichloroethane	63	0.7		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,1-Dichloroethene				<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
cis-1,2-Dichloroethene	20000	1200		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
trans-1,2-Dichloroethene	41000	3100		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,1-Dichloropropene				<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,2-Dichloropropane	84	23		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,3-Dichloropropane	41000	1000		<0.0017	<0.002	<0.0018	<0.0022	<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019
2,2-Dichloropropane				<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
cis-1,3-Dichloropropene	57	2.1		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
trans-1,3-Dichloropropene	57	2.1		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Ethylbenzene	200000	400		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
2-Hexanone (MBK)	10000	720		<0.0017	0.0071	0.0024	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Methylene Chloride	760	24		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Methyl tert-butyl ether	20000	8800		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
4-Methyl-2pentanone (MIBK)	---	340		<0.0017	0.0034	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Stryene	410000	1500		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Tetrachloroethene	110	20		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Trichlorofluoromethane	61000	1400		<0.0042	<0.002	<0.0018	<0.0022	<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019
Toluene	410000	650		<0.0017	<0.002	0.0024	<0.0022	0.0017	<0.0027	<0.0019	<0.0017	0.0053
1,1,1-Trichloroethane	---	1200		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,1,2-Trichloroethane	8200	1800		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,2,3-Trichloropropane	0.19	5		<0.0017	<0.002	<0.0018	<0.0022	<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Trichloroethene	520	8.9		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Vinyl chloride	7.9	1.1		<0.0017	<0.002	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019
Xylenes, Total	410000	320		0.0021	0.0021	<0.0018	<0.0022	<0.0016	<0.0027	<0.0019	<0.0017	<0.0019

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.058	<0.056	<0.055	0.094	<0.057	0.1	<0.058	<0.053	<0.056
Acenaphthylene	61000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Acetophenone				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Anthracene	610000	---		<0.29	0.088	<0.055	0.25	<0.057	0.36	<0.058	<0.053	<0.056
Azobenzene				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Benzo(a)anthracene	8	---		<0.058	0.32	<0.055	0.39	<0.057	0.91	<0.058	0.14	<0.056
Benzo(b)fluoranthene	8	---		<0.29	0.57	<0.055	0.38	<0.057	1	<0.058	0.22	<0.056
Benzo(k)fluoranthene	78	---		<0.29	0.18	<0.055	0.12	<0.057	0.37	<0.058	0.085	<0.056
Benzo(g,h,i)perylene	61000	---		<0.29	0.19	<0.055	0.1	<0.057	0.3	<0.058	0.069	<0.056
Benzo(a)pyrene	0.8	---		<0.29	0.3	<0.055	0.28	<0.057	0.79	<0.058	0.16	<0.056
Bis(2-chloroethyl)ether	5	0.47		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Bis(2-chloroethoxy)methane				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Bis(2-ethylhexyl)phthalate	410	31000		<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
4-Bromophenyl phenyl ether				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Butyl benzyl phthalate	410000	930		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Carbazole	290	---		<0.29	<0.056	<0.055	0.078	<0.057	0.14	<0.058	<0.053	<0.056
4-Chloro-3-methylphenol				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
4-Chloroaniline	8200	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
1-Chloronaphthalene				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2-Chloronaphthalene	160000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2-Chlorophenol	10000	53000		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
4-Chlorophenyl phenyl ether				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Chrysene	780	---		<0.058	0.44	<0.055	0.49	<0.057	1	<0.058	0.17	<0.056
1,2-Dichlorobenzene	180000	560		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
1,3-Dichlorobenzene				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
1,4-Dichlorobenzene	---	17000		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
2,4-Dichlorophenol	6100	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Di-n-butyl phthalate	200000	2300		<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Di-n-octyl phthalate	41000	10000		<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
1,2-Dinitrobenzene				<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
1,3-Dinitrobenzene	200	---		<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
1,4-Dinitrobenzene				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,6-Dinitrotoluene	8.4	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,4-Dinitrophenol	4100	---		<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
2,4-Dinitrotoluene	8.4	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Dibenz(a,h)anthracene	0.8	---		<0.29	<0.056	<0.055	<0.062	<0.057	0.09	<0.058	<0.053	<0.056
Dibenzofuran	2000	---		<0.058	<0.056	<0.055	0.1	<0.057	0.15	<0.058	<0.053	<0.056
3,3'-Dichlorobenzidine	13	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,6-Dichlorophenol				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Diethyl phthalate	1000000	2000		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Dimethyl phthalate	1000000	1300		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
p-Dimethylaminoazobenzene				<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
2,4-Dimethylphenol	41000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
4,6-Dinitro-2-methylphenol				<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Diphenylamine	51000	---		<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Fluoranthene	82000	---		<0.29	0.65	<0.055	0.97	<0.057	1.9	<0.058	0.3	<0.056
Fluorene	82000	---		<0.058	<0.056	<0.055	0.13	<0.057	0.1	<0.058	<0.053	<0.056
Hexachlorobenzene				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Hexachlorobutadiene	2000			<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Hexachlorocyclopentadiene				<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Hexachloroethane	2000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Hexachloropropene				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Indeno(1,2,3-cd)pyrene	8	---		<0.98	0.22	<0.19	<0.21	<0.19	0.35	<0.2	<0.18	<0.19
Isodrin				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Isophorone	410000	4600		<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Isosafrole				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Mestranol				<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Ethyl methanesulfonate				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Methyl methanesulfonate				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
2-Methylnaphthalene	8200	---		<0.058	0.079	<0.055	0.26	<0.057	0.15	<0.058	<0.053	<0.056
2-Methylphenol	100000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
4-Methylphenol	200000	170000		<0.058	<0.056	<0.055	0.077	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Naphthalene	41000	270		<0.058	0.089	<0.055	0.36	<0.057	0.21	<0.058	<0.053	<0.056
1-Naphthylamine				<0.2 O2	<0.19 O2	<0.19 O2	<0.21 O2	<0.19 O2	<0.22 O2	<0.2 O2	<0.18 O2	<0.19 O2
2-Naphthylamine				<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
5-Nitroacenaphthene				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2-Nitroaniline	31000	28		<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
3-Nitroaniline				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
4-Nitroaniline	8200	2400		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Nitrobenzene	1000	140		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
4-Nitrobiphenyl				<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
2-Nitrophenol				<0.2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
4-Nitrophenol	16000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
N-Nitrosodi-n-butylamine				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
N-Nitrosodi-n-propylamine	0.8	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
N-Nitrosopiperidine				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,2'-Oxybis (1-chloropropane)				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Pentachlorobenzene	6100	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Pentachloronitrobenzene				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Pentachlorophenol	24	---		<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Phenacetin				<0.98	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19
Phenanthrene	61000	---		<0.29	0.57	<0.055	1.8	<0.057	1.9	<0.058	0.14	<0.056

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801
			Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids									
Phenol	610000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
2-Picoline				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056 J1
Pronamide				<0.29	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Pyrene	61000	---		<0.058	0.49	<0.055	0.85	<0.057	1.5	<0.058	0.24	<0.056
Pyridine	2000	200000		<0.2 O2	<0.19	<0.19	<0.21	<0.19	<0.22	<0.2	<0.18	<0.19 J1
Safrole				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
1,2,4,5-Tetrachlorobenzene				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,3,4,6-Tetrachlorophenol				<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
1,2,4-Trichlorobenzene	20000	3200		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,4,5-Trichlorophenol	200000	---		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
2,4,6-Trichlorophenol	520	390		<0.058	<0.056	<0.055	<0.062	<0.057	<0.065	<0.058	<0.053	<0.056
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
alpha-BHC	0.9	1.5		<0.0021	<0.0022	<0.0022	<0.0025	<0.0022	<0.0027	<0.0022	<0.0023	<0.0022
beta-BHC				<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
delta-BHC				<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
gamma-BHC	4	---		<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
alpha-Chlordane	16	140		<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
gamma-Chlordane	16	140		<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Dieldrin	0.4	2.2		<0.0021	0.0098	<0.0022	<0.0025	<0.0022	<0.0027	<0.0022	<0.0023	<0.0022
p,p'-DDT	17	1500		<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	0.0057	0.0099
p,p'-DDD	24	---		<0.0053	0.0081 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	0.0072	0.0075
p,p'-DDE	17	---		<0.0053	0.013 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	0.016	0.019
Endosulfan I	12000	---		<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Endosulfan II				<0.0053	0.025	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Endosulfan sulfate				<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Endrin	610	---		<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Endrin aldehyde				<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Endrin ketone				<0.0053	<0.0056 J3	<0.0055	0.0071	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Heptachlor	1	11		<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Heptachlor epoxide	0.6	9.2		<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Methoxychlor	10000	---		<0.0053	<0.0056	<0.0055	<0.0063	<0.0055	<0.0066	<0.0056	<0.0056	<0.0054
Toxaphene	5.2	170		<0.11	<0.11	<0.11	<0.13	<0.11	<0.13	<0.11	<0.11	<0.11
Aroclor 1016	1			<0.011	<0.011	<0.011	<0.013	<0.011	<0.013	<0.011	<0.011	<0.011
Aroclor 1221	1			<0.011	<0.011	<0.011	<0.013	<0.011	<0.013	<0.011	<0.011	<0.011
Aroclor 1232	1			<0.011	<0.011	<0.011	<0.013	<0.011	<0.013	<0.011	<0.011	<0.011
Aroclor 1242	1			<0.011	<0.011	<0.011	<0.013	<0.011	<0.013	<0.011	<0.011	<0.011
Aroclor 1248	1			<0.011	<0.011	<0.011	<0.013	<0.011	<0.013	<0.011	<0.011	<0.011
Aroclor 1254	1			<0.011	0.94	<0.011	<0.013	<0.011	<0.013	<0.011	0.021	0.057
Aroclor 1260	1			<0.011	0.88	<0.011	<0.013	<0.011	<0.013	<0.011	<0.011	0.095
PCB, Total	1				1.82							
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q	8.5 I, Q	7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		10200	7450	6250	13200	4540	11900	10200.00	33100.00	3100
Antimony	820.00	---		0.036	<0.010	0.064	<0.010	0.014	<0.010	<0.01	0.02	0.045
Arsenic	13.00	1200.00		<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, I, J3, J7
Barium	140000.00	910000.00		0.867	0.318	1.36	0.398	0.392	0.489	0.29	0.18	0.109 V
Beryllium	4100.00	2100.00		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.05	<0.001
Boron	410000.00	---		110	15.3	29.3	21	33.4	24.8	22.60	1760.00	119
Cadmium	2000.00	2800.00		1.29	1.35	0.715	<0.005	0.055	<0.005	0.003 B2	0.009 B2	0.194 B2
Calcium	---	---		48800	61500	5450	61600	81500	67800	69800.00	39000.00	12000
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		24.9	9.62	9.24	7.99	8.16	11.1	8.69	31.70	3.77
Copper	82000.00	---		5590	23.2	20700	32	356	21.4	27.10	6920.00	96.3
Cyanide (amenable)	41000.00	---										
Cyanide				0.114	<0.031	0.269	<0.033	<0.034	<0.034	<0.035	<0.030	0.167
Hardness												
Iron	---	---		28400	27800	26300	15600	16600	20800	15500.00	129000.00	28400
Lead	800.00	---		11.4	0.011	38.4	0.007	0.389	0.013	<0.005	0.27	0.188
Magnesium	---	---		22500	35300	2230	36000	40700	35100	34700.00	18300.00	2050
Manganese	41000.00	91000.00		672	490	424	458	453	532	423.00	5710.00	185
Mercury	610.00	16.00		1.32	0.01	0.5	0.02	0.02	0.01	<0.005	<0.006	0.45
Nickel	41000.00	21000.00		4.07	0.022	0.2	0.009	0.045	0.015	0.02	0.20	0.015
Potassium	---	---		1550	2060	540	3290	1150	3940	3060.00	1870.00	1360
Selenium	10000.00	---		0.031 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.030 J6	<0.025 J5	<0.025 J5	0.037 J5	<0.025 I, J6
Silver	10000.00	---		0.003	0.003	<0.003	0.003	0.004	0.004	0.00	<0.003	<0.003
Sodium	---	---		1710	401	397	342	489	295	325.00	28000.00	1600
Strontium	1000000.00	---		66.4	31	55.8	35.7	36.3	46.7	40.20	208.00	101
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		89.1	7.1	128	0.12	40.5	1.22	0.21	38.30	131
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.008	0.015	0.014	0.01	0.013	<0.0047	<0.0041	<0.0044	<0.0054
Benzene	100	1.6		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Bromobenzene	16000	810		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Bromochloroethene												
Bromochloromethane				<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Bromodichloromethane	92	3000		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Bromoform	720	100		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Bromomethane	2900	15		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
2-Butanone (MEK)	1000000	25000		<0.0055	<0.0057	<0.0061	<0.0049	<0.0046	<0.0047	<0.0041	<0.0044	<0.0054
Carbon Disulfide	200000	720		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Carbon tetrachloride	44	0.64		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Chlorobenzene	41000	210		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Chloroethane	---	1500		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Chloroform	940	0.54		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Chloromethane	---	170		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Dibromochloromethane	92	3000		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,2-Dibromoethane				<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Dibromomethane				<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,1-Dichloroethane	200000	1700		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,2-Dichloroethane	63	0.7		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,1-Dichloroethene				<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
cis-1,2-Dichloroethene	20000	1200		<0.0022	<0.0023	<0.0024	<0.002	0.011	0.0029	<0.0016	<0.0018	<0.0022
trans-1,2-Dichloroethene	41000	3100		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,1-Dichloropropene				<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,2-Dichloropropane	84	23		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,3-Dichloropropane	41000	1000		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
2,2-Dichloropropane				<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
cis-1,3-Dichloropropene	57	2.1		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
trans-1,3-Dichloropropene	57	2.1		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Ethylbenzene	200000	400		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
2-Hexanone (MBK)	10000	720		<0.0022	<0.0023	0.0032	0.0021	<0.0018	<0.0019	0.002	0.0022	<0.0022
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Methylene Chloride	760	24		<0.0022	<0.0023	0.0025	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Methyl tert-butyl ether	20000	8800		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
4-Methyl-2pentanone (MIBK)	---	340		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Stryene	410000	1500		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Tetrachloroethene	110	20		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	0.0023
Trichlorofluoromethane	61000	1400				<0.0024	0.0082	0.0043		<0.0016	<0.0018	
Toluene	410000	650		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	0.0049	<0.0022
1,1,1-Trichloroethane	---	1200		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,1,2-Trichloroethane	8200	1800		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,2,3-Trichloropropane	0.19	5		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,1,1,2-Tetrachloroethane	61000	2100		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Trichloroethene	520	8.9		<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019	<0.0016	<0.0018	<0.0022
Vinyl chloride	7.9	1.1		<0.0022	<0.0023	<0.0024	<0.002	0.0051	0.004	<0.0016	<0.0018	<0.0022
Xylenes, Total	410000	320		<0.0022	<0.0023	<0.0024	0.002	<0.0018	<0.0019	0.0021	0.0037	0.0025

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Acenaphthylene	61000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Acetophenone				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Anthracene	610000	---		<0.054	<0.054	0.23	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Azobenzene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Benzo(a)anthracene	8	---		0.076	<0.054	0.64	<0.064	<0.052	<0.056	<0.053	<0.056	0.11
Benzo(b)fluoranthene	8	---		0.12	<0.054	0.77	<0.064	<0.052	<0.056	<0.053	<0.056	0.17
Benzo(k)fluoranthene	78	---		<0.054	<0.054	0.32	<0.064	<0.052	<0.056	<0.053	<0.056	0.063
Benzo(g,h,i)perylene	61000	---		<0.054	<0.054	0.22	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Benzo(a)pyrene	0.8	---		0.084	<0.054	0.6	<0.064	<0.052	<0.056	<0.053	<0.056	0.076
Bis(2-chloroethyl)ether	5	0.47		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Bis(2-chloroethoxy)methane				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Bis(2-ethylhexyl)phthalate	410	31000		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
4-Bromophenyl phenyl ether				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Butyl benzyl phthalate	410000	930		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Carbazole	290	---		<0.054	<0.054	0.098	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4-Chloro-3-methylphenol				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4-Chloroaniline	8200	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
1-Chloronaphthalene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2-Chloronaphthalene	160000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2-Chlorophenol	10000	53000		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4-Chlorophenyl phenyl ether				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Chrysene	780	---		0.11	<0.054	0.71	<0.064	<0.052	<0.056	<0.053	<0.056	0.2
1,2-Dichlorobenzene	180000	560		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
1,3-Dichlorobenzene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
1,4-Dichlorobenzene	---	17000		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,4-Dichlorophenol	6100	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Di-n-butyl phthalate	200000	2300		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Di-n-octyl phthalate	41000	10000		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
1,2-Dinitrobenzene				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
1,3-Dinitrobenzene	200	---		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
1,4-Dinitrobenzene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,6-Dinitrotoluene	8.4	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,4-Dinitrophenol	4100	---		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
2,4-Dinitrotoluene	8.4	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Dibenz(a,h)anthracene	0.8	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Dibenzofuran	2000	---		<0.054	<0.054	0.09	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
3,3'-Dichlorobenzidine	13	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,6-Dichlorophenol				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Diethyl phthalate	1000000	2000		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Dimethyl phthalate	1000000	1300		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
p-Dimethylaminoazobenzene				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
2,4-Dimethylphenol	41000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4,6-Dinitro-2-methylphenol				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Diphenylamine	51000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Fluoranthene	82000	---		0.18	<0.054	1.3	<0.064	<0.052	<0.056	<0.053	<0.056	0.22
Fluorene	82000	---		<0.054	<0.054	0.069	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Hexachlorobenzene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Hexachlorobutadiene	2000			<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Hexachlorocyclopentadiene				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Hexachloroethane	2000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Hexachloropropene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Indeno(1,2,3-cd)pyrene	8	---		<0.18	<0.18	0.27	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Isodrin				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Isophorone	410000	4600		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Isosafrole				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Mestranol				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Ethyl methanesulfonate				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Methyl methanesulfonate				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2-Methylnaphthalene	8200	---		<0.054	<0.054	0.063	<0.064	<0.052	<0.056	<0.053	<0.056	0.12
2-Methylphenol	100000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4-Methylphenol	200000	170000		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Naphthalene	41000	270		<0.054	<0.054	0.092	<0.064	<0.052	<0.056	<0.053	<0.056	0.098
1-Naphthylamine				<0.18 O2	<0.18 O2	<0.21 O2	<0.22 O2	<0.18 O2	<0.19 O2	<0.18 O2	<0.19 O2	<0.19 O2
2-Naphthylamine				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
5-Nitroacenaphthene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2-Nitroaniline	31000	28		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
3-Nitroaniline				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4-Nitroaniline	8200	2400		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Nitrobenzene	1000	140		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
4-Nitrobiphenyl				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
2-Nitrophenol				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
4-Nitrophenol	16000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
N-Nitrosodi-n-butylamine				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
N-Nitrosodi-n-propylamine	0.8	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
N-Nitrosopiperidine				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,2'-Oxybis (1-chloropropane)				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Pentachlorobenzene	6100	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Pentachloronitrobenzene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Pentachlorophenol	24	---		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Phenacetin				<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Phenanthrene	61000	---		0.13	<0.054	1.1	<0.064	<0.052	<0.056	<0.053	<0.056	0.33

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699
Phenol	610000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2-Picoline				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Pronamide				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Pyrene	61000	---		0.14	<0.054	0.97	<0.064	<0.052	<0.056	<0.053	<0.056	0.18
Pyridine	2000	200000		<0.18	<0.18	<0.21	<0.22	<0.18	<0.19	<0.18	<0.19	<0.19
Safrole				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
1,2,4,5-Tetrachlorobenzene				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,3,4,6-Tetrachlorophenol				<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
1,2,4-Trichlorobenzene	20000	3200		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,4,5-Trichlorophenol	200000	---		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
2,4,6-Trichlorophenol	520	390		<0.054	<0.054	<0.061	<0.064	<0.052	<0.056	<0.053	<0.056	<0.057
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
alpha-BHC	0.9	1.5		<0.0023	<0.0024	<0.0023	<0.0025	<0.0021	<0.0022	<0.0023	<0.0021	<0.0022
beta-BHC				<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
delta-BHC				0.01	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
gamma-BHC	4	---		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
alpha-Chlordane	16	140		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
gamma-Chlordane	16	140		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Dieldrin	0.4	2.2		<0.0023	<0.0024	<0.0023	<0.0025	<0.0021	<0.0022	<0.0023	<0.0021	<0.0022
p,p'-DDT	17	1500		0.014	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
p,p'-DDD	24	---		0.011	<0.0059	<0.0058	<0.0062	0.26	<0.0054	<0.0058	<0.0053	<0.0055
p,p'-DDE	17	---		0.018	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Endosulfan I	12000	---		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Endosulfan II				<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Endosulfan sulfate				<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Endrin	610	---		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Endrin aldehyde				<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Endrin ketone				<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	0.013
Heptachlor	1	11		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Heptachlor epoxide	0.6	9.2		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054	<0.0058	<0.0053	<0.0055
Methoxychlor	10000	---		<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	0.23	<0.0058	<0.0053	<0.0055
Toxaphene	5.2	170		<0.12	<0.12	<0.12	<0.12	<0.11	<0.11	<0.12	<0.11	<0.11
Aroclor 1016	1			<0.012	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
Aroclor 1221	1			<0.012	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
Aroclor 1232	1			<0.012	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
Aroclor 1242	1			<0.012	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
Aroclor 1248	1			<0.012	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
Aroclor 1254	1			0.15	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
Aroclor 1260	1			<0.012	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q	8.4 I, Q	8.6 I, Q	8.8 I, Q	8.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818	23H1260-06 SB-59 (10-12) Soil 8/23/2023 9:33 AM 78.34275	23H1260-14 SB-60 (4-6) Soil 8/23/2023 11:15 AM 91.06628
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		8030	10100.00	10800.00	5030.00	12400.00	9010.00	5280.00	7100.00	15500.00
Antimony	820.00	---		<0.010	<0.010	<0.010	0.02	<0.010	<0.010	0.06	<0.010	0.02
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 J7, B1
Barium	140000.00	910000.00		0.345	0.36	0.35	0.61	0.32	0.46	1.03	0.79	0.46
Beryllium	4100.00	2100.00		<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---		23.4	29.50	24.70	47.30	21.80	26.20	20.70	20.80	1690.00
Cadmium	2000.00	2800.00		0.036 B2	0.003 B2	0.003 B2	0.027 B2	0.013 B2	<0.003 B2	0.347 B2	0.004 B2	0.039 B2
Calcium	---	---		54900	103000.00	85900.00	101000.00	77300.00	70500.00	4540.00	70800.00	68200.00
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		6.87	6.94	7.93	6.04	10.7 J3	6.74	7.30	19.40	31.90
Copper	82000.00	---		23.8	123.00	124.00	748.00	21.60	19.50	8200.00	29.00	4820.00
Cyanide (amenable)	41000.00	---										
Cyanide				<0.036	<0.034 J3	<0.035	<0.035	<0.035 J3	<0.035	<0.038	<0.036	<0.033
Hardness												
Iron	---	---		13000	16900.00	19700.00	14900.00	19700.00	16800.00	20000.00	31400.00	77700.00
Lead	800.00	---		0.016	<0.005	<0.005	0.37	<0.005	<0.005	5.05	0.01	0.17
Magnesium	---	---		31900	44300.00	36400.00	48300.00	37400.00	38900.00	2200.00	39900.00	28300.00
Manganese	41000.00	91000.00		505	487.00	482.00	483.00	585.00	628.00	274.00	2040.00	2520.00
Mercury	610.00	16.00		0.01	0.05	0.03	0.15	0.02	0.02	0.31	0.02	0.17
Nickel	41000.00	21000.00		0.022	0.01	0.01	0.27	0.02	0.01	0.71	0.03	0.10
Potassium	---	---		2350	2230.00	2320.00	1360.00	3820.00	2730.00	556.00	1890.00	1470.00
Selenium	10000.00	---		<0.025 J6	0.033 J6	<0.025 J5	0.038 J6	0.026 J6	<0.025 J6	0.036 J5	<0.025 J5	0.040 J6
Silver	10000.00	---		<0.003	0.01	0.01	0.00	0.01	0.00	<0.003	<0.003	<0.003
Sodium	---	---		320	300.00	266.00	490.00	294.00	242.00	259.00	294.00	12700.00
Strontium	1000000.00	---		29.1	56.20	54.00	44.60	43.50	25.40	33.20	31.80	73.80
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		4.48	0.11	0.15	58.70	1.72	0.03	157.00	9.15	16.30
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.0089	<0.0046	<0.0055	0.022	<0.0046	<0.0044	<0.0062	0.015	0.014
Benzene	100	1.6		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Bromobenzene	16000	810		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Bromochloroethene												
Bromochloromethane				<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Bromodichloromethane	92	3000		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Bromoform	720	100		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Bromomethane	2900	15		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
2-Butanone (MEK)	1000000	25000		<0.0052	<0.0046	<0.0055	0.0059	<0.0046	<0.0044	<0.0062	<0.0051	<0.0041
Carbon Disulfide	200000	720		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Carbon tetrachloride	44	0.64		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Chlorobenzene	41000	210		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Chloroethane	---	1500		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Chloroform	940	0.54		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Chloromethane	---	170		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Dibromochloromethane	92	3000		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,2-Dibromoethane				<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Dibromomethane				<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,1-Dichloroethane	200000	1700		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,2-Dichloroethane	63	0.7		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,1-Dichloroethene				<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
cis-1,2-Dichloroethene	20000	1200		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
trans-1,2-Dichloroethene	41000	3100		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,1-Dichloropropene				<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,2-Dichloropropane	84	23		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,3-Dichloropropane	41000	1000		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
2,2-Dichloropropane				<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
cis-1,3-Dichloropropene	57	2.1		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
trans-1,3-Dichloropropene	57	2.1		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Ethylbenzene	200000	400		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
2-Hexanone (MBK)	10000	720		0.0027	<0.0018	<0.0022	<0.002	0.0024	0.0023	0.0031	<0.0051	<0.0016
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Methylene Chloride	760	24		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Methyl tert-butyl ether	20000	8800		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
4-Methyl-2pentanone (MIBK)	---	340		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Stryene	410000	1500		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Tetrachloroethene	110	20		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Trichlorofluoromethane	61000	1400		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Toluene	410000	650		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	0.0031	<0.0016
1,1,1-Trichloroethane	---	1200		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,1,2-Trichloroethane	8200	1800		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,2,3-Trichloropropane	0.19	5		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,1,1,2-Tetrachloroethane	61000	2100		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Trichloroethene	520	8.9		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Vinyl chloride	7.9	1.1		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025	<0.002	<0.0016
Xylenes, Total	410000	320		0.0027	0.0018	<0.0022	<0.002	0.0021	0.0023	0.0032	0.0027	0.0016

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818	23H1260-06 SB-59 (10-12) Soil 8/23/2023 9:33 AM 78.34275	23H1260-14 SB-60 (4-6) Soil 8/23/2023 11:15 AM 91.06628
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Acenaphthylene	61000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Acetophenone				<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Anthracene	610000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	0.058	<0.061	<0.27
Azobenzene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Benzo(a)anthracene	8	---		<0.062	0.16	0.12	<0.059	<0.058	<0.056	0.28	<0.061	<0.27
Benzo(b)fluoranthene	8	---		<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.35	<0.061	<0.27
Benzo(k)fluoranthene	78	---		<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.12	<0.061	<0.27
Benzo(g,h,i)perylene	61000	---		<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.13	<0.061	<0.27
Benzo(a)pyrene	0.8	---		<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.23	<0.061	<0.27
Bis(2-chloroethyl)ether	5	0.47		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Bis(2-chloroethoxy)methane				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Bis(2-ethylhexyl)phthalate	410	31000		<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
4-Bromophenyl phenyl ether				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Butyl benzyl phthalate	410000	930		<0.062	0.17	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Carbazole	290	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
4-Chloro-3-methylphenol				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
4-Chloroaniline	8200	---		<0.062	<0.053	<0.054 J3	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
1-Chloronaphthalene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2-Chloronaphthalene	160000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2-Chlorophenol	10000	53000		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
4-Chlorophenyl phenyl ether				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Chrysene	780	---		<0.062	0.19	0.15	<0.059	<0.058	<0.056	0.38	<0.061	<0.27
1,2-Dichlorobenzene	180000	560		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
1,3-Dichlorobenzene				<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
1,4-Dichlorobenzene	---	17000		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,4-Dichlorophenol	6100	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Di-n-butyl phthalate	200000	2300		<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
Di-n-octyl phthalate	41000	10000		<0.21	<0.91 O1	<0.92 O1	<1 O1	<0.2 O1	<0.19	<0.2	<0.21	<0.93 O1
1,2-Dinitrobenzene				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
1,3-Dinitrobenzene	200	---		<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
1,4-Dinitrobenzene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,6-Dinitrotoluene	8.4	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,4-Dinitrophenol	4100	---		<0.21	<0.18	<0.18 J3	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
2,4-Dinitrotoluene	8.4	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Dibenz(a,h)anthracene	0.8	---		<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	<0.058	<0.061	<0.27
Dibenzofuran	2000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
3,3'-Dichlorobenzidine	13	---		<0.062	<0.053	<0.054 J3	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
2,6-Dichlorophenol				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Diethyl phthalate	1000000	2000		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Dimethyl phthalate	1000000	1300		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
p-Dimethylaminoazobenzene				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.91	<0.92	<1	<0.2	<0.19	<0.2	<0.21	<0.93
2,4-Dimethylphenol	41000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
4,6-Dinitro-2-methylphenol				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
Diphenylamine	51000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Fluoranthene	82000	---		<0.062	0.33	0.26	0.067	<0.058	<0.056	0.47	<0.061	0.28
Fluorene	82000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Hexachlorobenzene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Hexachlorobutadiene	2000			<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Hexachlorocyclopentadiene				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
Hexachloroethane	2000	---		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Hexachloropropene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Indeno(1,2,3-cd)pyrene	8	---		<0.21	<0.91	<0.92	<1	<0.2	<0.19	<0.2	<0.21	<0.93
Isodrin				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Isophorone	410000	4600		<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
Isosafrole				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Mestranol				<0.21	<0.91 J5, O1	<0.92 J5, O1	<1 J5, O1	<0.2 J5, O1	<0.19	<0.2	<0.21	<0.93 J5, O1
Ethyl methanesulfonate				<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Methyl methanesulfonate				<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2-Methylnaphthalene	8200	---		<0.062	<0.053	<0.054	0.065	<0.058	<0.056	0.12	<0.061	0.07
2-Methylphenol	100000	---		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
4-Methylphenol	200000	170000		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Naphthalene	41000	270		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	0.099	<0.061	<0.054
1-Naphthylamine				<0.21 O2	<0.18 O2	<0.18 J3, O2	<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2	<0.21 O2	<0.19 O2
2-Naphthylamine				<0.21	<0.18	<0.18 J3	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
5-Nitroacenaphthene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
2-Nitroaniline	31000	28		<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
3-Nitroaniline				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
4-Nitroaniline	8200	2400		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Nitrobenzene	1000	140		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
4-Nitrobiphenyl				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
2-Nitrophenol				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
4-Nitrophenol	16000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
N-Nitrosodi-n-butylamine				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
N-Nitrosodi-n-propylamine	0.8	---		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
N-Nitrosopiperidine				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,2'-Oxybis (1-chloropropane)				<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Pentachlorobenzene	6100	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Pentachloronitrobenzene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Pentachlorophenol	24	---		<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
Phenacetin				<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.93
Phenanthrene	61000	---		<0.062	0.11	0.093	0.13	<0.058	<0.056	0.57	<0.061	<0.27

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids								
			Lab Sample #	23H1219-19	23H1260-09	23H1260-10	23H1260-13	23H1260-08	23H1260-03	23H1260-04	23H1260-06	23H1260-14
			Sample Name	SB-57 (10-12)	SB-58 (1-3)	SB-58 (1-3) D	SB-58 (5-7)	SB-58 (9-11)	SB-59 (1-3)	SB-59 (5-7)	SB-59 (10-12)	SB-60 (4-6)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	8/22/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	5:44 PM	10:35 AM	10:35 AM	10:40 AM	10:25 AM	9:00 AM	9:16 AM	9:33 AM	11:15 AM
			% Solids	79.26485	89.98016	90.0675	83.4791	83.75	88.46864	81.81818	78.34275	91.06628
Phenol	610000	---		<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2-Picoline				<0.062	<0.053 J1	<0.054 J3	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Pronamide				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.27
Pyrene	61000	---		<0.062	0.39 O1	0.28 O1	0.084 O1	<0.058 O1	<0.056	0.46	<0.061	<0.27
Pyridine	2000	200000		<0.21	<0.18 J1	<0.18	<0.2	<0.2	<0.19	<0.2	<0.21	<0.19
Safrole				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
1,2,4,5-Tetrachlorobenzene				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,3,4,6-Tetrachlorophenol				<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
1,2,4-Trichlorobenzene	20000	3200		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,4,5-Trichlorophenol	200000	---		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
2,4,6-Trichlorophenol	520	390		<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058	<0.061	<0.054
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053 J3
alpha-BHC	0.9	1.5		<0.0023	<0.0021	<0.0021	<0.0023	<0.0024	<0.0021	<0.0022	<0.0023 J3	<0.0021
beta-BHC				<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053
delta-BHC				<0.0058	<0.0052 J7	<0.0053 J7	<0.0058 J7	<0.0059 J7	<0.0052	<0.0056	<0.0059 J3	<0.0053 J7
gamma-BHC	4	---		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053
alpha-Chlordane	16	140		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053
gamma-Chlordane	16	140		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053 J3
Dieldrin	0.4	2.2		<0.0023	<0.0021	<0.0021	<0.0023	<0.0024	<0.0021	<0.0022	<0.0023 J3	<0.0021
p,p'-DDT	17	1500		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.022	<0.0059 J3	<0.0053
p,p'-DDD	24	---		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.0095	<0.0059 J3	<0.0053
p,p'-DDE	17	---		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.021	<0.0059 J3	<0.0053 J3
Endosulfan I	12000	---		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053
Endosulfan II				<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053 J3
Endosulfan sulfate				<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059	<0.0053
Endrin	610	---		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053
Endrin aldehyde				<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059	<0.0053
Endrin ketone				<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.0098	<0.0059 J3	<0.0053 J3
Heptachlor	1	11		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059	<0.0053 J3
Heptachlor epoxide	0.6	9.2		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059 J3	<0.0053 J3
Methoxychlor	10000	---		<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056	<0.0059	<0.0053 J3
Toxaphene	5.2	170		<0.12	<0.1	<0.11	<0.12	<0.12	<0.1	<0.11	<0.12	<0.11
Aroclor 1016	1			<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011	<0.012	<0.011
Aroclor 1221	1			<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011	<0.012	<0.011
Aroclor 1232	1			<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011	<0.012	<0.011
Aroclor 1242	1			<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011	<0.012	<0.011
Aroclor 1248	1			<0.012	<0.01 J5	<0.011 J5	<0.012 J5	<0.012 J5	<0.01	<0.011 J3	<0.012	<0.011 J5
Aroclor 1254	1			<0.012	0.11	0.061	0.19	<0.012	<0.01	0.46	<0.012	0.2
Aroclor 1260	1			<0.012	0.075	0.048	0.16	<0.012	<0.01	<0.011	<0.012	0.11
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q	7.7 I, Q	8.3 I, Q	9.2 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-07 SB-61 (6-8) Soil 8/23/2023 10:09 AM 78.82118	23H1260-11 SB-61 (10-12) MS/MSD Soil 8/23/2023 10:27 AM 82.90259	23H1260-18 SB-62 (6-8) Soil 8/23/2023 12:10 PM 86.38589	23H1260-19 SB-62 (10-12) Soil 8/23/2023 12:05 PM 84.56973	23H1260-15 SB-63 (5-7) Soil 8/23/2023 11:13 AM 79.30711	23H1260-16 SB-63 (10-12) Soil 8/23/2023 11:33 AM 84.375	23H1260-17 SB-64 (2-4) Soil 8/23/2023 12:30 PM 89.35762	23H1260-21 SB-64 (6-8) Soil 8/23/2023 12:45 PM 82.7821	23H1261-02 SB-65 (1-3) Soil 8/23/2023 12:57 PM 88.92989
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		7610.00	7460.00	11300.00	12500.00	7580.00	12600.00	12500.00	12500.00	11700
Antimony	820.00	---		0.04	<0.010	<0.010	<0.010	0.06	<0.010	0.04	<0.010	<0.010
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		0.84	0.42	0.38	0.28	0.81	0.37	1.30	0.53	0.568
Beryllium	4100.00	2100.00		0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---		62.30	14.80	21.70	23.60	27.50	28.20	72.70	21.20	32.6
Cadmium	2000.00	2800.00		0.275 B2	0.003 B2	0.004 B2	0.041 B2	0.306 B2	0.005 B2	1.10 B2	0.005 B2	0.021 B2
Calcium	---	---		10700.00	75500.00	89100.00	77700.00	12000.00	75100.00	11800.00	84700.00	76300
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		13.20	10.30	8.21	5.79	10.40	15.00	13.00	9.76	10.3
Copper	82000.00	---		2410.00	22.20	23.70	24.70	7020.00	73.60	19700.00	31.00	36.4
Cyanide (amenable)	41000.00	---										
Cyanide				0.24	<0.034	<0.034	<0.036	0.04	<0.035	<0.032	0.06	<0.035
Hardness												
Iron	---	---		29100.00	19900.00	18000.00	18900.00	45300.00	19700.00	44800.00	19100.00	20200
Lead	800.00	---		2.53	<0.005	<0.005 V	0.02	32.60	0.02	59.60	0.011 V	0.301
Magnesium	---	---		2410.00	40000.00	36100.00	38300.00	2020.00	34700.00	2810.00	39600.00	31600
Manganese	41000.00	91000.00		373.00	678.00	469.00	432.00	337.00	641.00	1050.00	537.00	513
Mercury	610.00	16.00		0.17	0.02	0.02	0.02	4.35	0.02	0.07	0.03	0.03
Nickel	41000.00	21000.00		0.30	0.01	0.04	0.02	0.11	0.01	0.22	0.01	0.106
Potassium	---	---		983.00	2290.00	3570.00	4250.00	566.00	3820.00	947.00	3820.00	3610
Selenium	10000.00	---		<0.025 J5	0.033 J6	<0.025 J5	<0.025 J5	0.027 J6	0.051 J6	0.025 J6	<0.025 J5	<0.025 J5
Silver	10000.00	---		<0.003	0.01	0.00	<0.003	<0.003	0.01	0.00	<0.003	0.003
Sodium	---	---		776.00	272.00	339.00	309.00	447.00	292.00	1500.00	<237	522
Strontium	1000000.00	---		92.90	36.60	88.10	60.40	67.30	46.00	49.10	46.10	46.3
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.010 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	0.025 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		89.10	0.10	0.04	3.88	148.00	0.65	132.00	0.25	6.04
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.011	<0.0046	<0.0043	<0.0046	<0.0063	0.0061	0.011	<0.0044	<0.0046
Benzene	100	1.6		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Bromobenzene	16000	810		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Bromochloroethene												
Bromochloromethane				<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Bromodichloromethane	92	3000		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Bromoform	720	100		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Bromomethane	2900	15		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
2-Butanone (MEK)	1000000	25000		<0.0053	<0.0046	<0.0043	<0.0046	<0.0063	<0.0043	<0.0063	<0.0044	<0.0046
Carbon Disulfide	200000	720		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Carbon tetrachloride	44	0.64		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Chlorobenzene	41000	210		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Chloroethane	---	1500		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Chloroform	940	0.54		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Chloromethane	---	170		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Dibromochloromethane	92	3000		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,2-Dibromoethane				<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Dibromomethane				<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,1-Dichloroethane	200000	1700		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,2-Dichloroethane	63	0.7		<0.0021	0.0027	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,1-Dichloroethene				<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
cis-1,2-Dichloroethene	20000	1200		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	0.02	<0.0025	<0.0018	<0.0018
trans-1,2-Dichloroethene	41000	3100		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	0.0018	<0.0025	<0.0018	<0.0018
1,1-Dichloropropene				<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,2-Dichloropropane	84	23		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,3-Dichloropropane	41000	1000		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
2,2-Dichloropropane				<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
cis-1,3-Dichloropropene	57	2.1		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
trans-1,3-Dichloropropene	57	2.1		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Ethylbenzene	200000	400		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
2-Hexanone (MBK)	10000	720		<0.0053	<0.0046	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Methylene Chloride	760	24		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Methyl tert-butyl ether	20000	8800		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
4-Methyl-2pentanone (MIBK)	---	340		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Stryene	410000	1500		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Tetrachloroethene	110	20		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Trichlorofluoromethane	61000	1400		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Toluene	410000	650		<0.0021	<0.0019	0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,1,1-Trichloroethane	---	1200		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,1,2-Trichloroethane	8200	1800		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,2,3-Trichloropropane	0.19	5		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,1,1,2-Tetrachloroethane	61000	2100		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Trichloroethene	520	8.9		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	0.31 L	0.065	<0.0018
Vinyl chloride	7.9	1.1		<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018
Xylenes, Total	410000	320		0.0027	0.0024	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018	<0.0018

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-07 SB-61 (6-8) Soil 8/23/2023 10:09 AM 78.82118	23H1260-11 SB-61 (10-12) MS/MSD Soil 8/23/2023 10:27 AM 82.90259	23H1260-18 SB-62 (6-8) Soil 8/23/2023 12:10 PM 86.38589	23H1260-19 SB-62 (10-12) Soil 8/23/2023 12:05 PM 84.56973	23H1260-15 SB-63 (5-7) Soil 8/23/2023 11:13 AM 79.30711	23H1260-16 SB-63 (10-12) Soil 8/23/2023 11:33 AM 84.375	23H1260-17 SB-64 (2-4) Soil 8/23/2023 12:30 PM 89.35762	23H1260-21 SB-64 (6-8) Soil 8/23/2023 12:45 PM 82.7821	23H1261-02 SB-65 (1-3) Soil 8/23/2023 12:57 PM 88.92989
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Acenaphthylene	61000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Acetophenone				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Anthracene	610000	---		<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Azobenzene				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Benzo(a)anthracene	8	---		0.066	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28	<0.059	<0.055
Benzo(b)fluoranthene	8	---		0.098	<0.29	<0.29	<0.29	<0.3	<0.29	0.54	<0.3	0.081
Benzo(k)fluoranthene	78	---		<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	<0.28	<0.3	<0.055
Benzo(g,h,i)perylene	61000	---		<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	0.39	<0.3	<0.055
Benzo(a)pyrene	0.8	---		0.074	<0.29	<0.29	<0.29	<0.3	<0.29	0.32	<0.3	0.059
Bis(2-chloroethyl)ether	5	0.47		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Bis(2-chloroethoxy)methane				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Bis(2-ethylhexyl)phthalate	410	31000		<0.21	<0.97	<0.98	<0.2	<1	<0.2	<0.95	<0.2	<0.19
4-Bromophenyl phenyl ether				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Butyl benzyl phthalate	410000	930		<0.062	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28	<0.059	<0.055
Carbazole	290	---		<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4-Chloro-3-methylphenol				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4-Chloroaniline	8200	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
1-Chloronaphthalene				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.23	<0.059	<0.055
2-Chloronaphthalene	160000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.073	<0.059	<0.055
2-Chlorophenol	10000	53000		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4-Chlorophenyl phenyl ether				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Chrysene	780	---		0.082	<0.29	<0.29	<0.059	<0.3	<0.059	0.44	<0.059	0.067
1,2-Dichlorobenzene	180000	560		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
1,3-Dichlorobenzene				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
1,4-Dichlorobenzene	---	17000		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2,4-Dichlorophenol	6100	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Di-n-butyl phthalate	200000	2300		<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Di-n-octyl phthalate	41000	10000		<0.21 O1	<0.97 O1	<0.98 O1	<1 O1	<1 O1	<1 O1	<0.95 O1	<1 O1	<0.19 O1
1,2-Dinitrobenzene				<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
1,3-Dinitrobenzene	200	---		<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
1,4-Dinitrobenzene				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2,6-Dinitrotoluene	8.4	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2,4-Dinitrophenol	4100	---		<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
2,4-Dinitrotoluene	8.4	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Dibenz(a,h)anthracene	0.8	---		<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	<0.28	<0.3	<0.055
Dibenzofuran	2000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
3,3'-Dichlorobenzidine	13	---		<0.062	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28	<0.059	<0.055
2,6-Dichlorophenol				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Diethyl phthalate	1000000	2000		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Dimethyl phthalate	1000000	1300		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
p-Dimethylaminoazobenzene				<0.21	<0.97	<0.98	<0.2	<1	<0.2	<0.95	<0.2	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.97	<0.98	<1	<1	<1	<0.95	<1	<0.19
2,4-Dimethylphenol	41000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4,6-Dinitro-2-methylphenol				<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Diphenylamine	51000	---		<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Fluoranthene	82000	---		0.11	<0.29	<0.29	<0.059	0.41	<0.059	0.16	<0.059	0.11
Fluorene	82000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Hexachlorobenzene				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Hexachlorobutadiene	2000			<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Hexachlorocyclopentadiene				<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Hexachloroethane	2000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Hexachloropropene				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Indeno(1,2,3-cd)pyrene	8	---		<0.21	<0.97	<0.98	<1	<1	<1	<0.95	<1	<0.19
Isodrin				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Isophorone	410000	4600		<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Isosafrole				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Mestranol				<0.21 J5, O1	<0.97 J5, O1	<0.98 J5, O1	<1 J5, O1	<1 J5, O1	<1 J5, O1	<0.95 J5, O1	<1 J5, O1	<0.19 J5, O1
Ethyl methanesulfonate				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Methyl methanesulfonate				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2-Methylnaphthalene	8200	---		<0.062	<0.057	<0.057	<0.059	0.084	<0.059	0.073	<0.059	<0.055
2-Methylphenol	100000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4-Methylphenol	200000	170000		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Naphthalene	41000	270		<0.062	<0.057	<0.057	<0.059	0.08	<0.059	0.1	<0.059	<0.055
1-Naphthylamine				<0.21 O2	<0.19 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2	<0.19 O2
2-Naphthylamine				<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
5-Nitroacenaphthene				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2-Nitroaniline	31000	28		<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
3-Nitroaniline				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4-Nitroaniline	8200	2400		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Nitrobenzene	1000	140		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
4-Nitrobiphenyl				<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
2-Nitrophenol				<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
4-Nitrophenol	16000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
N-Nitrosodi-n-butylamine				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
N-Nitrosodi-n-propylamine	0.8	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
N-Nitrosopiperidine				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2,2'-Oxybis (1-chloropropane)				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Pentachlorobenzene	6100	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.29	<0.059	<0.055
Pentachloronitrobenzene				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Pentachlorophenol	24	---		<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Phenacetin				<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Phenanthrene	61000	---		0.1	<0.29	<0.29	<0.059	0.45	<0.059	0.12	<0.059	0.067

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids								
			Lab Sample #	23H1260-07	23H1260-11	23H1260-18	23H1260-19	23H1260-15	23H1260-16	23H1260-17	23H1260-21	23H1261-02
			Sample Name	SB-61 (6-8)	SB-61 (10-12) MS/MSD	SB-62 (6-8)	SB-62 (10-12)	SB-63 (5-7)	SB-63 (10-12)	SB-64 (2-4)	SB-64 (6-8)	SB-65 (1-3)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	10:09 AM	10:27 AM	12:10 PM	12:05 PM	11:13 AM	11:33 AM	12:30 PM	12:45 PM	12:57 PM
			% Solids	78.82118	82.90259	86.38589	84.56973	79.30711	84.375	89.35762	82.7821	88.92989
Phenol	610000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2-Picoline				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Pronamide				<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Pyrene	61000	---		0.13 O1	<0.29	<0.29	<0.059 O1	0.39 O1	<0.059 O1	0.31 O1	<0.059 O1	0.097
Pyridine	2000	200000		<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2	<0.19
Safrole				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
1,2,4,5-Tetrachlorobenzene				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.14	<0.059	<0.055
2,3,4,6-Tetrachlorophenol				<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
1,2,4-Trichlorobenzene	20000	3200		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.15	<0.059	<0.055
2,4,5-Trichlorophenol	200000	---		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
2,4,6-Trichlorophenol	520	390		<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059	<0.055
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
alpha-BHC	0.9	1.5		<0.0025	<0.0024	<0.0021	<0.0023	<0.0025	<0.0023	<0.42 J1	<0.0023	<0.0021
beta-BHC				<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
delta-BHC				<0.0062 J7	<0.0059 J7	<0.0053 J7	<0.0059 J7	<0.0062 J7	<0.0058 J7	<1.1 J1, J7	<0.0057 J7	<0.0052 J7, O1
gamma-BHC	4	---		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
alpha-Chlordane	16	140		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
gamma-Chlordane	16	140		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052 O1
Dieldrin	0.4	2.2		<0.0025	<0.0024	<0.0021	<0.0023	<0.0025	<0.0023	5 J1	<0.0023	<0.0021 O1
p,p'-DDT	17	1500		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	0.0092
p,p'-DDD	24	---		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
p,p'-DDE	17	---		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	0.031
Endosulfan I	12000	---		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Endosulfan II				<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Endosulfan sulfate				<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Endrin	610	---		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Endrin aldehyde				<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Endrin ketone				<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057 O1	<0.0052 O1
Heptachlor	1	11		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Heptachlor epoxide	0.6	9.2		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057	<0.0052
Methoxychlor	10000	---		<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<5.3 J1	<0.0057	<0.0052
Toxaphene	5.2	170		<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<21 J1	<0.11	<0.1
Aroclor 1016	1			<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011	<0.01
Aroclor 1221	1			<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011	<0.01
Aroclor 1232	1			<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011	<0.01
Aroclor 1242	1			<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011	<0.01
Aroclor 1248	1			<0.012 J5	<0.012 J5	<0.011 J5	<0.012 J5	<0.012 J3, J5	<0.012 J5	<2.1 J1, J5	<0.011 J5	<0.01 J5
Aroclor 1254	1			0.11	<0.012	<0.011	<0.012	0.032	0.013	210	<0.011	0.16
Aroclor 1260	1			<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011	<0.01
PCB, Total	1									210		
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q	8.5 I, Q	8.7 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		5770	12300	10300.00	34100.00	14800	10600	14000	9080	12000
Antimony	820.00	---		0.122	<0.010	0.02	0.12	<0.010	0.209	0.01	0.064	<0.010
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		0.937	0.43	0.53	0.54	0.552	0.603	0.401	2.18	0.523
Beryllium	4100.00	2100.00		0.01	<0.001	<0.001	0.00	<0.001	<0.001	<0.001	0.002	<0.001
Boron	410000.00	---		46.2	33.6	48.00	577.00	23.2	<112	<66.4	188	<58.0 I
Cadmium	2000.00	2800.00		0.353 B2	0.007 B2	0.017 B2	0.878 B2	0.003 B2	0.224 B2	0.003 B2	0.354 B2	<0.003 B2
Calcium	---	---		7440	72000	83900.00	33700.00	8280	19200	77900	64100	50700
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		5.94	9.56	9.61	82.10	12.2	10.4	9.68	9.12	8.81
Copper	82000.00	---		6000	38.4	<1.11	19600.00	20.8	14900	35.6	2170	20.7 I
Cyanide (amenable)	41000.00	---										
Cyanide				0.121		<0.031	<0.032	<0.036	0.065	<0.040	0.208	<0.031
Hardness												
Iron	---	---		12000	21700	<111	137000.00	21800	36900	22300	25900	20800
Lead	800.00	---		33.9	0.091 V	0.078 V	14.10	0.008 V	1.09	0.009 V	15.2	0.020 V
Magnesium	---	---		3300	34800	33100.00	7020.00	7730	9550	37600	23600	28900
Manganese	41000.00	91000.00		521	515	<1.67	3610.00	381	743	569	555	506
Mercury	610.00	16.00		0.59		0.12	0.21	0.05	0.57	0.02	0.16	0.02
Nickel	41000.00	21000.00		0.249	0.027	0.02	0.66	0.025	0.159	0.013	0.19	0.017
Potassium	---	---		861	4070	<222	2960.00	2310	1430	4480	1560	2480
Selenium	10000.00	---		0.027 J6	0.025 J6	0.029 J6	0.035 J6	<0.025 J5	0.025 J6	<0.025 J5	0.032 J6	0.025 J6
Silver	10000.00	---		0.005	<0.003	0.00	0.00	<0.003	<0.003	0.003	0.003	0.003
Sodium	---	---		1000	817	<222	14000.00	475	545	304	1410	1960
Strontium	1000000.00	---		25.6	49.2	<1.11	161.00	18.2	43.1	54	62.9	27.0 J3
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		115	1.44	4.51 I	516.00	<0.025	84.8	0.092	177	<0.025
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		0.018		<0.0046	<0.0052	0.0067	0.01	<0.0054	0.04	0.028
Benzene	100	1.6		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromobenzene	16000	810		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromochloroethene												
Bromochloromethane				<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromodichloromethane	92	3000		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromoform	720	100		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromomethane	2900	15		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
2-Butanone (MEK)	1000000	25000		<0.0052		<0.0046	<0.0052	<0.0049	<0.0049	<0.0054	0.0069	0.0057
Carbon Disulfide	200000	720		0.0023		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Carbon tetrachloride	44	0.64		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chlorobenzene	41000	210		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chloroethane	---	1500		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chloroform	940	0.54		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chloromethane	---	170		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Dibromochloromethane	92	3000		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2-Dibromoethane				<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Dibromomethane				<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1-Dichloroethane	200000	1700		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2-Dichloroethane	63	0.7		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1-Dichloroethene				<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
cis-1,2-Dichloroethene	20000	1200		<0.0021		<0.0019	0.0072	0.0023	<0.002	<0.0022	<0.0021	<0.002
trans-1,2-Dichloroethene	41000	3100		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1-Dichloropropene				<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2-Dichloropropane	84	23		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,3-Dichloropropane	41000	1000		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
2,2-Dichloropropane				<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
cis-1,3-Dichloropropene	57	2.1		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
trans-1,3-Dichloropropene	57	2.1		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Ethylbenzene	200000	400		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
2-Hexanone (MBK)	10000	720		<0.0021		<0.0019	<0.0021	<0.0019	0.0032	<0.0022	<0.0021	<0.002
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Methylene Chloride	760	24		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Methyl tert-butyl ether	20000	8800		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
4-Methyl-2pentanone (MIBK)	---	340		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Stryene	410000	1500		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Tetrachloroethene	110	20		<0.0021		<0.0019	<0.0021	<0.0019	0.0025	0.0025	<0.0021	<0.002
Trichlorofluoromethane	61000	1400		<0.0021		<0.0019		<0.0019			<0.0021	<0.002
Toluene	410000	650		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	0.002
1,1,1-Trichloroethane	---	1200		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1,2-Trichloroethane	8200	1800		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2,3-Trichloropropane	0.19	5		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1,1,2-Tetrachloroethane	61000	2100		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Trichloroethene	520	8.9		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Vinyl chloride	7.9	1.1		<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Xylenes, Total	410000	320		<0.0021		<0.0019	<0.0021	<0.0019	0.0039	0.0026	<0.0021	<0.002

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	0.18	<0.05
Acenaphthylene	61000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	0.12	<0.05
Acetophenone				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Anthracene	610000	---		0.12		<0.25	<0.051	<0.058	<0.053	<0.062	0.52	<0.05
Azobenzene				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Benzo(a)anthracene	8	---		0.24		<0.25	0.094	<0.058	<0.053	<0.062	1.8	<0.05
Benzo(b)fluoranthene	8	---		0.28		<0.25	0.15	<0.058	<0.053	<0.062	2.6	<0.05
Benzo(k)fluoranthene	78	---		0.1		<0.25	0.058	<0.058	<0.053	<0.062	0.88	<0.05
Benzo(g,h,i)perylene	61000	---		0.093		<0.25	0.058	<0.058	<0.053	<0.062	1.2	<0.05
Benzo(a)pyrene	0.8	---		0.19		<0.25	0.096	<0.058	<0.053	<0.062	1.9	<0.05
Bis(2-chloroethyl)ether	5	0.47		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Bis(2-chloroethoxy)methane				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Bis(2-ethylhexyl)phthalate	410	31000		<0.19		<0.87	<0.17	<0.2	<0.18 O1	<0.21 O1	0.33	<0.17
4-Bromophenyl phenyl ether				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Butyl benzyl phthalate	410000	930		<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Carbazole	290	---		<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	0.19	<0.05
4-Chloro-3-methylphenol				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Chloroaniline	8200	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1-Chloronaphthalene				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Chloronaphthalene	160000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Chlorophenol	10000	53000		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Chlorophenyl phenyl ether				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Chrysene	780	---		0.28		<0.25	0.14	<0.058	<0.053	<0.062	2	<0.05
1,2-Dichlorobenzene	180000	560		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,3-Dichlorobenzene				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,4-Dichlorobenzene	---	17000		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4-Dichlorophenol	6100	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Di-n-butyl phthalate	200000	2300		<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Di-n-octyl phthalate	41000	10000		<0.19 O1		<0.87 O1	<0.17 O1	<0.2 O1	<0.18 O1	<0.21 O1	<0.18 O1	<0.17 O1
1,2-Dinitrobenzene				<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
1,3-Dinitrobenzene	200	---		<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
1,4-Dinitrobenzene				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,6-Dinitrotoluene	8.4	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4-Dinitrophenol	4100	---		<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
2,4-Dinitrotoluene	8.4	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Dibenz(a,h)anthracene	0.8	---		<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	0.19	<0.05
Dibenzofuran	2000	---		0.057		<0.051	<0.051	<0.058	<0.053	<0.062	0.16	<0.05
3,3'-Dichlorobenzidine	13	---		<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,6-Dichlorophenol				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Diethyl phthalate	1000000	2000		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Dimethyl phthalate	1000000	1300		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
p-Dimethylaminoazobenzene				<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
7,12-Dimethylbenzo(a)anthracene				<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
2,4-Dimethylphenol	41000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4,6-Dinitro-2-methylphenol				<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Diphenylamine	51000	---		<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Fluoranthene	82000	---		0.52		0.29	0.22	<0.058	<0.053	<0.062	3.6	<0.05
Fluorene	82000	---		0.07		<0.051	<0.051	<0.058	<0.053	<0.062	0.2	<0.05
Hexachlorobenzene				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Hexachlorobutadiene	2000			<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Hexachlorocyclopentadiene				<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Hexachloroethane	2000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Hexachloropropene				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Indeno(1,2,3-cd)pyrene	8	---		<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	1.1	<0.17
Isodrin				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Isophorone	410000	4600		<0.19		<0.17	0.2	<0.2	<0.18	<0.21	<0.18	<0.17
Isosafrole				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Mestranol				<0.19 J5, O1		<0.87 J5, O1	<0.17 J5, O1	<0.2 J5, O1	<0.18	<0.21	<0.18 J5, O1	<0.17 J5, O1
Ethyl methanesulfonate				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Methyl methanesulfonate				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Methylnaphthalene	8200	---		0.093		<0.051	0.081	<0.058	<0.053	<0.062	0.24	<0.05
2-Methylphenol	100000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Methylphenol	200000	170000		0.057		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Naphthalene	41000	270		0.13		<0.051	0.079	<0.058	<0.053	<0.062	0.25	<0.05
1-Naphthylamine				<0.19 O2		<0.17 O2	<0.17 O2	<0.2 O2	<0.18 O2	<0.21 O2	<0.18 O2	<0.17 O2
2-Naphthylamine				<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
5-Nitroacenaphthene				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Nitroaniline	31000	28		<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
3-Nitroaniline				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Nitroaniline	8200	2400		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Nitrobenzene	1000	140		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Nitrobiphenyl				<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
2-Nitrophenol				<0.19		<0.17	<0.17	<0.2	<0.18 J5	<0.21 J5	<0.18	<0.17
4-Nitrophenol	16000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
N-Nitrosodi-n-butylamine				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
N-Nitrosodi-n-propylamine	0.8	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
N-Nitrosopiperidine				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,2'-Oxybis (1-chloropropane)				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pentachlorobenzene	6100	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pentachloronitrobenzene				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pentachlorophenol	24	---		<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Phenacetin				<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Phenanthrene	61000	---		0.69		<0.25	0.23	<0.058	<0.053	<0.062	2.3	<0.05

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601
Lab Sample #				23H1261-04	23H1261-03	23H1260-20	23H1260-22	23H1261-05	23H1261-15	23H1261-16	23H1261-06	23H1261-07
Sample Name				SB-65 (7-12)	SB-65 (15.5-16)	SB-66 (0-2)	SB-66 (7-9)	SB-66 (10-12)	SB-67 (3-5)	SB-67 (10-12)	SB-68 (3-5)	SB-68 (9-11)
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date sampled				8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
Time sampled				1:43 PM	2:08 PM	1:25 PM	1:35 PM	1:45 PM	3:33 PM	3:49 PM	2:15 PM	2:25 PM
% Solids				82.6291	86.31476	89.90654	94.1349	79.88451	87.32261	76.85371	87.29227	86.16601
Phenol	610000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Picoline				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pronamide				<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pyrene	61000	---		0.47		<0.25	0.2	<0.058	<0.053	<0.062	3.4	<0.05
Pyridine	2000	200000		<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Safrole				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,2,4,5-Tetrachlorobenzene				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,3,4,6-Tetrachlorophenol				<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,2,4-Trichlorobenzene	20000	3200		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4,5-Trichlorophenol	200000	---		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4,6-Trichlorophenol	520	390		<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
alpha-BHC	0.9	1.5		<0.0024		<0.0021	<0.42 J1	<0.0024	<0.0023	<0.0026	<0.0021	<0.0023
beta-BHC				<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
delta-BHC				<0.006 J7		<0.0053 O1, J7	<1 J7, J1	<0.0061 J7	<0.0057	<0.0064	0.0088 J7, O1	<0.0057 J7, O1
gamma-BHC	4	---		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
alpha-Chlordane	16	140		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
gamma-Chlordane	16	140		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057 O1
Dieldrin	0.4	2.2		<0.0024		<0.0021	<0.42 J1	<0.0024	<0.0023	<0.0026	<0.0021 O1	<0.0023 O1
p,p'-DDT	17	1500		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
p,p'-DDD	24	---		<0.006		0.0081	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
p,p'-DDE	17	---		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endosulfan I	12000	---		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endosulfan II				<0.006		0.013	<1 J1	<0.0061	<0.0057	<0.0064	0.023	<0.0057
Endosulfan sulfate				<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endrin	610	---		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endrin aldehyde				<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endrin ketone				<0.006 O1		<0.0053 O1	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053 O1	<0.0057 O1
Heptachlor	1	11		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Heptachlor epoxide	0.6	9.2		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Methoxychlor	10000	---		<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Toxaphene	5.2	170		<0.12		<0.11	<21 J1	<0.12	<0.11	<0.13	<0.11	<0.11
Aroclor 1016	1			<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1221	1			<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1232	1			<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1242	1			<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1248	1			<0.012 J5		<0.011 J5	<2.1 J5, J1	<0.012 J5	<0.011	<0.013	<0.011 J6	<0.011 J5
Aroclor 1254	1			0.06		5.1	120	0.17	0.57	<0.013	23	0.019
Aroclor 1260	1			<0.012		<0.011	<2.1	0.088		<0.013	<0.011	<0.011
PCB, Total	1					5.1	1.2				23	
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q	9.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		10900	13600	9350	11300	21700	6240	11100	9520	17600
Antimony	820.00	---		0.023	<0.010	0.028	0.057	0.076	<0.010	0.038	<0.010	0.186
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		1.45	0.325	0.582	0.679	0.471	0.364	1.02	0.363	0.44
Beryllium	4100.00	2100.00		<0.001	<0.001	<0.001	0.001	0.002	<0.001	0.004	<0.001	<0.001
Boron	410000.00	---		238	24.7	455	734	3550	<56.2	349	<58.6	<244
Cadmium	2000.00	2800.00		0.169 B2	<0.003 B2	0.120 B2	0.275 B2	0.632 B2	0.022 B2	0.211 B2	<0.003 B2	1.05 B2
Calcium	---	---		109000	70800	92500	75800	41100	85000	68900	114000	29000
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		9.2	10.5	12	17.3	52.1	9.51	17.5	6.27	16.5
Copper	82000.00	---		750	18.2	1920	3390	9230	29.8	7620	21.5	13700
Cyanide (amenable)	41000.00	---										
Cyanide				0.066 V	<0.034 V	0.032	<0.032 J3	0.047	<0.034	0.055	<0.034	<0.037
Hardness												
Iron	---	---		20600	20900	33400	44600	134000	20200	43700	15500	68500
Lead	800.00	---		4.17	<0.005	1.96	14.1	26.3	0.439	44.5	0.008 V	126
Magnesium	---	---		53800	32800	42600	37500	23100	44700	30000	51200	7470
Manganese	41000.00	91000.00		688	419	1340	1400	4410	477	1260	869	1220
Mercury	610.00	16.00		0.05	0.01	0.13	0.13 J3	0.27	0.04	0.1	0.01	0.23
Nickel	41000.00	21000.00		0.081	0.006	0.062	0.1	0.237	0.026	0.186	0.013	0.094
Potassium	---	---		2090	4520	1870	1710	1750	2180	1240	3410	2450
Selenium	10000.00	---		0.042 J6	0.025 J6	0.037 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.035 J6	<0.025 J5	0.035 J6
Silver	10000.00	---		0.003	0.005	<0.003	<0.003	0.004	<0.003	<0.003	0.003	0.014
Sodium	---	---		1540	316	2020	3950	16100	242	3140	325	2380
Strontium	1000000.00	---		76.4	50.2	41.8	46.1	63.7	37.4	72.7	48.6	125
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	0.025 B1	<0.025 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		77.6	<0.025	64.7	219	257	7.7	70	0.055	137
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0057	<0.005	<0.0048	<0.0046	0.0052	0.01	<0.0049	0.0071	<0.0061
Benzene	100	1.6		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromobenzene	16000	810		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromochloroethene												
Bromochloromethane				<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromodichloromethane	92	3000		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromoform	720	100		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromomethane	2900	15		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
2-Butanone (MEK)	1000000	25000		<0.0057	<0.005	<0.0048	<0.0046	<0.0043	<0.0053	<0.0049	<0.0055	<0.0061
Carbon Disulfide	200000	720		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Carbon tetrachloride	44	0.64		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chlorobenzene	41000	210		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chloroethane	---	1500		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chloroform	940	0.54		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chloromethane	---	170		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Dibromochloromethane	92	3000		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2-Dibromoethane				<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Dibromomethane				<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1-Dichloroethane	200000	1700		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2-Dichloroethane	63	0.7		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1-Dichloroethene				<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
cis-1,2-Dichloroethene	20000	1200		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
trans-1,2-Dichloroethene	41000	3100		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1-Dichloropropene				<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2-Dichloropropane	84	23		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,3-Dichloropropane	41000	1000		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
2,2-Dichloropropane				<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
cis-1,3-Dichloropropene	57	2.1		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
trans-1,3-Dichloropropene	57	2.1		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Ethylbenzene	200000	400		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
2-Hexanone (MBK)	10000	720		<0.0023	<0.002	<0.0019	<0.0046	<0.0043	<0.0021	<0.002	0.0044	0.0024
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Methylene Chloride	760	24		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Methyl tert-butyl ether	20000	8800		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
4-Methyl-2pentanone (MIBK)	---	340		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	0.0024	<0.0024
Stryene	410000	1500		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Tetrachloroethene	110	20		<0.0023	<0.002	<0.0019	0.003	<0.0017	<0.0021	0.0022	0.0028	0.0024
Trichlorofluoromethane	61000	1400		<0.0023	<0.002	<0.0019	<0.0018	<0.0017				
Toluene	410000	650		0.0036	<0.002	<0.0019	0.0021	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,1-Trichloroethane	---	1200		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,2-Trichloroethane	8200	1800		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2,3-Trichloropropane	0.19	5		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,1,2-Tetrachloroethane	61000	2100		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Trichloroethene	520	8.9		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Vinyl chloride	7.9	1.1		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Xylenes, Total	410000	320		<0.0023	<0.002	<0.0019	0.0024	0.0022	<0.0021	0.0023	0.0044	0.0029

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Acenaphthylene	61000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Acetophenone				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Anthracene	610000	---		<0.06 J3	<0.059	<0.053	<0.052	0.075	<0.049	0.052	<0.056	0.11
Azobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Benzo(a)anthracene	8	---		<0.06 J3	<0.059	0.064	<0.052	0.15	<0.049	0.24 J1	<0.056	0.2
Benzo(b)fluoranthene	8	---		<0.06 J3	<0.059	0.084	<0.052	0.16	<0.049	0.29	<0.056	0.24
Benzo(k)fluoranthene	78	---		<0.06 J3	<0.059	<0.053	<0.052	0.069	<0.049	0.081	<0.056	0.085
Benzo(g,h,i)perylene	61000	---		<0.06 J3	<0.059	<0.053	<0.052	0.054	<0.049	0.14	<0.056	0.06
Benzo(a)pyrene	0.8	---		<0.06 J3	<0.059	0.063	<0.052	0.12	<0.049	0.21	<0.056	0.14
Bis(2-chloroethyl)ether	5	0.47		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Bis(2-chloroethoxy)methane				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Bis(2-ethylhexyl)phthalate	410	31000		<0.2 J3	<0.2	<0.18 O1	<0.18 O1	<0.16 O1	<0.17 O1	<0.17 J1, O1	<0.19 O1	<0.19 O1
4-Bromophenyl phenyl ether				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Butyl benzyl phthalate	410000	930		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05 J1	<0.056	<0.057
Carbazole	290	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Chloro-3-methylphenol				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Chloroaniline	8200	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1-Chloronaphthalene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Chloronaphthalene	160000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Chlorophenol	10000	53000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Chlorophenyl phenyl ether				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Chrysene	780	---		<0.06 J3	<0.059	0.078	<0.052	0.17	<0.049	0.47 J1	<0.056	0.29
1,2-Dichlorobenzene	180000	560		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,3-Dichlorobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,4-Dichlorobenzene	---	17000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4-Dichlorophenol	6100	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Di-n-butyl phthalate	200000	2300		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Di-n-octyl phthalate	41000	10000		<0.2 J3	<0.2	<0.18 O1	<0.18 O1	<0.16 O1	<0.17 O1	<0.17 O1	<0.19 O1	<0.19 O1
1,2-Dinitrobenzene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
1,3-Dinitrobenzene	200	---		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
1,4-Dinitrobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,6-Dinitrotoluene	8.4	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4-Dinitrophenol	4100	---		<0.2 J3	<0.2	<0.18 J3	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
2,4-Dinitrotoluene	8.4	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Dibenz(a,h)anthracene	0.8	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Dibenzofuran	2000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.068	<0.056	0.065
3,3'-Dichlorobenzidine	13	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05 J1	<0.056	<0.057
2,6-Dichlorophenol				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Diethyl phthalate	1000000	2000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Dimethyl phthalate	1000000	1300		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
p-Dimethylaminoazobenzene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17 J1	<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
2,4-Dimethylphenol	41000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4,6-Dinitro-2-methylphenol				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Diphenylamine	51000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Fluoranthene	82000	---		<0.06 J3	<0.059	0.1	<0.052	0.32	<0.049	0.27	<0.056	0.47
Fluorene	82000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachlorobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachlorobutadiene	2000			<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachlorocyclopentadiene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Hexachloroethane	2000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachloropropene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Indeno(1,2,3-cd)pyrene	8	---		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Isodrin				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Isophorone	410000	4600		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Isosafrole				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Mestranol				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Ethyl methanesulfonate				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Methyl methanesulfonate				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Methylnaphthalene	8200	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.3	<0.056	0.094
2-Methylphenol	100000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Methylphenol	200000	170000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Naphthalene	41000	270		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.18	<0.056	0.11
1-Naphthylamine				<0.2 J3	<0.2	<0.18 J3, O2	<0.18 O2	<0.16 O2	<0.17 O2	<0.17 O2	<0.19 O2	<0.19 O2
2-Naphthylamine				<0.2 J3	<0.2	<0.18 J3	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
5-Nitroacenaphthene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Nitroaniline	31000	28		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
3-Nitroaniline				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Nitroaniline	8200	2400		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Nitrobenzene	1000	140		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Nitrobiphenyl				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
2-Nitrophenol				<0.2 J3	<0.2	<0.18 J5	<0.18 J5	<0.16 J5	<0.17 J5	<0.17 J5	<0.19 J5	<0.19 J5
4-Nitrophenol	16000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
N-Nitrosodi-n-butylamine				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
N-Nitrosodi-n-propylamine	0.8	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
N-Nitrosopiperidine				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,2'-Oxybis (1-chloropropane)				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pentachlorobenzene	6100	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pentachloronitrobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pentachlorophenol	24	---		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Phenacetin				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Phenanthrene	61000	---		<0.06 J3	<0.059	0.06	<0.052	0.36	<0.049	0.79	<0.056	0.8

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation										
			Lab Sample #	23I0395-07	23I0395-08	23H1261-08	23H1261-09	23H1261-10	23H1261-12	23H1261-17	23H1261-13	23H1261-14
			Sample Name	SB-69 (5-7)	SB-69 (10-12)	SB-70 (0-2) D	SB-70 (0-2)	SB-70 (5-7)	SB-70 (10-12)	SB-71 (3-5)	SB-72 (9-11) MS/MSD	SB-72 (5-7)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/12/2023	9/12/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	11:55 AM	12:00 PM	2:55 PM	2:55 PM	2:40 PM	2:50 PM	4:15 PM	3:35 PM	3:25 PM
			% Solids	81.53242	84.26641	93.84921	93.78698	94.0622	89.00883	87.5121	85.31935	82.03704
Phenol	610000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Picoline				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pronamide				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pyrene	61000	---		<0.06 J3	<0.059	0.1	<0.052	0.27	<0.049	0.49 J1	<0.056	0.42
Pyridine	2000	200000		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Safrole				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,2,4,5-Tetrachlorobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,3,4,6-Tetrachlorophenol				<0.06 J3	<0.059	<0.053 J3	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,2,4-Trichlorobenzene	20000	3200		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4,5-Trichlorophenol	200000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4,6-Trichlorophenol	520	390		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
alpha-BHC	0.9	1.5		<0.0023	<0.0022	<0.0021	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0024
beta-BHC				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
delta-BHC				<0.0057 O1	<0.0056 O1	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
gamma-BHC	4	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
alpha-Chlordane	16	140		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
gamma-Chlordane	16	140		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Dieldrin	0.4	2.2		0.0026	<0.0022	<0.0021	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0024
p,p'-DDT	17	1500		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
p,p'-DDD	24	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	0.017	<0.0058	<0.006
p,p'-DDE	17	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endosulfan I	12000	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Endosulfan II				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endosulfan sulfate				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endrin	610	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Endrin aldehyde				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endrin ketone				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	0.017	<0.0058	<0.006
Heptachlor	1	11		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Heptachlor epoxide	0.6	9.2		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Methoxychlor	10000	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Toxaphene	5.2	170		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12
Aroclor 1016	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1221	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1232	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1242	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1248	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1254	1			0.041	<0.011	<0.011	0.11	0.04	<0.011	5.7	<0.012	<0.012
Aroclor 1260	1			0.016	<0.011	<0.011	<0.011	<0.011	<0.011	2.9	<0.012	<0.012
PCB, Total	1									8.6		
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		9870	5170	19800	23500	18800	12500	18500	8900	12500
Antimony	820.00	---		<0.010	0.111	0.062	0.063	0.014	0.015	<0.010	0.023	<0.010
Arsenic	13.00	1200.00		<0.010 B1, J3, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		0.425	0.754	2.15	1.15	0.838	0.813	0.628	0.248	0.571
Beryllium	4100.00	2100.00		<0.001	0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---			47.8	853	280	23.1	28.8	417	235	36.5
Cadmium	2000.00	2800.00		<0.005 B2	0.616 B2	0.541 B2	0.494 B2	0.154 B2	0.110 B2	<0.005 B2	0.229 B2	0.006 B2
Calcium	---	---		102000	141000	37200	43900	14200	76900	45800	60700	81300
Chromium	6100.00	420.00		<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		8.04 I	4.98	26.3	18.7	15.3	10.3	21.9	10.6	8.93
Copper	82000.00	---		19.2 I, J3	1490	8880	10300	78.5	154	12300	2230	64
Cyanide (amenable)	41000.00	---										
Cyanide				<0.031 J3, V	0.145 J3, V	<0.035 V	<0.033 V	<0.032 V	<0.032 V	0.101 V	<0.031 V	<0.034 V
Hardness												
Iron	---	---		15900 I	10900	75300	97900	29500	20800	75500	40300	19800
Lead	800.00	---		0.018	7.73	22.8	26	1.75	1.28	0.037	5.47	0.066
Magnesium	---	---		52600	67900	17300	18500	10200	36500	21200	28000	38400
Manganese	41000.00	91000.00		592	428	1560	1520	382	538	1830	809	489
Mercury	610.00	16.00		0.02	0.08 J3	1.05	0.76	0.04	0.22	0.44	0.16	0.02
Nickel	41000.00	21000.00		0.006	0.314	0.255	0.213	0.068	0.064	0.087	0.076	0.083
Potassium	---	---		3550	1520	2380	2960	3240	3930	2250	1630	4540
Selenium	10000.00	---		<0.025 J3, J5	0.033 J6, V	0.027 J6, V	0.048 J6, V	0.027 J6, V	0.028 J6, V	0.027 J6, V	<0.025 J5	<0.025 J5
Silver	10000.00	---		0.004	<0.003	0.003	0.003	0.005	0.004	0.006	0.005	<0.003
Sodium	---	---		268	635	4800	3270	<223	335	5830	1270	596
Strontium	1000000.00	---		44.7 J3	75.2	87.5	130	19.6	45.4	120	49.4	56.5
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.010 B1
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		0.149 I	454	213	235	37.2	29.2	0.625	66.7	2.36
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0044	<0.0052	<0.0056	0.024	<0.0045	<0.0052	<0.0045	0.01	
Benzene	100	1.6		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Bromobenzene	16000	810		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Bromochloroethene												
Bromochloromethane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Bromodichloromethane	92	3000		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Bromoform	720	100		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Bromomethane	2900	15		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
2-Butanone (MEK)	1000000	25000		<0.0044	<0.0052	<0.0056	<0.0047	<0.0045	<0.0052	<0.0045	<0.0044	
Carbon Disulfide	200000	720		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Carbon tetrachloride	44	0.64		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Chlorobenzene	41000	210		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Chloroethane	---	1500		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Chloroform	940	0.54		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Chloromethane	---	170		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Dibromochloromethane	92	3000		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,2-Dibromoethane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Dibromomethane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1-Dichloroethane	200000	1700		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,2-Dichloroethane	63	0.7		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1-Dichloroethene				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
cis-1,2-Dichloroethene	20000	1200		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1-Dichloropropene				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,2-Dichloropropane	84	23		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,3-Dichloropropane	41000	1000		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
2,2-Dichloropropane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Ethylbenzene	200000	400		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
2-Hexanone (MBK)	10000	720		0.0031	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Methylene Chloride	760	24		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Stryene	410000	1500		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Tetrachloroethene	110	20		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Trichlorofluoromethane	61000	1400		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Toluene	410000	650		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Trichloroethene	520	8.9		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Vinyl chloride	7.9	1.1		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	
Xylenes, Total	410000	320		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018	

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Acenaphthylene	61000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Acetophenone				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Anthracene	610000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Azobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Benzo(a)anthracene	8	---		<0.055	0.11	0.2	0.13	0.067	0.079	<0.057	0.068	<0.054
Benzo(b)fluoranthene	8	---		<0.055	0.14	0.28	0.16	0.12	0.12	<0.057	0.099	<0.054
Benzo(k)fluoranthene	78	---		<0.055	<0.06	0.097	0.057	<0.056	<0.054	<0.057	<0.054	<0.054
Benzo(g,h,i)perylene	61000	---		<0.055	0.066	0.1	0.064	0.057	<0.054	<0.057	<0.054	<0.054
Benzo(a)pyrene	0.8	---		<0.055	0.095	0.19	0.11	0.081	0.086	<0.057	0.069	<0.054
Bis(2-chloroethyl)ether	5	0.47		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Bis(2-chloroethoxy)methane				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Bis(2-ethylhexyl)phthalate	410	31000		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
4-Bromophenyl phenyl ether				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Butyl benzyl phthalate	410000	930		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Carbazole	290	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4-Chloro-3-methylphenol				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4-Chloroaniline	8200	---		<0.055	<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
1-Chloronaphthalene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2-Chloronaphthalene	160000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2-Chlorophenol	10000	53000		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4-Chlorophenyl phenyl ether				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Chrysene	780	---		<0.055	0.17	0.28	0.18	0.091	0.1	<0.057	0.094	<0.054
1,2-Dichlorobenzene	180000	560		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
1,3-Dichlorobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
1,4-Dichlorobenzene	---	17000		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,4-Dichlorophenol	6100	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Di-n-butyl phthalate	200000	2300		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Di-n-octyl phthalate	41000	10000		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
1,2-Dinitrobenzene				<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
1,3-Dinitrobenzene	200	---		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
1,4-Dinitrobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,6-Dinitrotoluene	8.4	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,4-Dinitrophenol	4100	---		<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
2,4-Dinitrotoluene	8.4	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Dibenz(a,h)anthracene	0.8	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Dibenzofuran	2000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
3,3'-Dichlorobenzidine	13	---		<0.055	<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,6-Dichlorophenol				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Diethyl phthalate	1000000	2000		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Dimethyl phthalate	1000000	1300		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
p-Dimethylaminoazobenzene				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
2,4-Dimethylphenol	41000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4,6-Dinitro-2-methylphenol				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Diphenylamine	51000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Fluoranthene	82000	---		<0.055	0.23	0.41	0.27	0.13	0.18	<0.057	0.15	<0.054
Fluorene	82000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Hexachlorobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Hexachlorobutadiene	2000			<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Hexachlorocyclopentadiene				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18 J3
Hexachloroethane	2000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Hexachloropropene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Indeno(1,2,3-cd)pyrene	8	---		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Isodrin				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Isophorone	410000	4600		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Isosafrole				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Mestranol				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Ethyl methanesulfonate				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Methyl methanesulfonate				<0.055	<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2-Methylnaphthalene	8200	---		<0.055	0.079	0.084	0.065	<0.056	<0.054	<0.057	<0.054	<0.054
2-Methylphenol	100000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4-Methylphenol	200000	170000		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Naphthalene	41000	270		<0.055	0.11	0.081	0.071	<0.056	<0.054	<0.057	<0.054	<0.054
1-Naphthylamine				<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
2-Naphthylamine				<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
5-Nitroacenaphthene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2-Nitroaniline	31000	28		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
3-Nitroaniline				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4-Nitroaniline	8200	2400		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Nitrobenzene	1000	140		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
4-Nitrobiphenyl				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
2-Nitrophenol				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18 J5
4-Nitrophenol	16000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
N-Nitrosodi-n-butylamine				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
N-Nitrosodi-n-propylamine	0.8	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
N-Nitrosopiperidine				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,2'-Oxybis (1-chloropropane)				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Pentachlorobenzene	6100	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Pentachloronitrobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Pentachlorophenol	24	---		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Phenacetin				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Phenanthrene	61000	---		<0.055	0.37	0.47	0.35	0.059	0.12	<0.057	0.14	<0.054

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids								
			Lab Sample #	23I0313-01	23I0313-02	23I0313-03	23I0313-04	23I0313-06	23I0313-07	23I0313-08	23I0313-09	23I0395-01
			Sample Name	SB-73 (1-3)	SB-73 (12-14)	SB-74 (2-4)	SB-75 (2-4)	SB-76 (1-3)	SB-76 (1-3) D	SB-76 (14-16)	SB-77 (5-7)	SB-77 (14-16)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023
			Time sampled	12:45 PM	1:10 PM	1:45 PM	2:25 PM	2:55 PM	2:55 PM	3:40 PM	4:10 PM	4:40 PM
			% Solids	90.57692	83.44308	88.28654	88.90977	88.02817	90.40836	87.33459	91.90244	86.76028
Phenol	610000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2-Picoline				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Pronamide				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Pyrene	61000	---		<0.055	0.21	0.38	0.25	0.1	0.13	<0.057	0.11	<0.054
Pyridine	2000	200000		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18
Safrole				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
1,2,4,5-Tetrachlorobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,3,4,6-Tetrachlorophenol				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
1,2,4-Trichlorobenzene	20000	3200		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,4,5-Trichlorophenol	200000	---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
2,4,6-Trichlorophenol	520	390		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
alpha-BHC	0.9	1.5		<0.0022	<0.0024	<0.0023	<0.0022 J1	<0.0022	<0.0022	<0.0023	<0.0022	<0.0023
beta-BHC				<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
delta-BHC				<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
gamma-BHC	4	---		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
alpha-Chlordane	16	140		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
gamma-Chlordane	16	140		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Dieldrin	0.4	2.2		<0.0022	<0.0024 J3	<0.0023	<0.0022 J1	<0.0022	<0.0022	<0.0023	<0.0022	<0.0023
p,p'-DDT	17	1500		<1.1	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
p,p'-DDD	24	---		<1.1	0.007 J3	0.0076	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
p,p'-DDE	17	---		2.6	0.019 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Endosulfan I	12000	---		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Endosulfan II				<0.0054	<0.0059 J3	<0.0056	0.0089 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Endosulfan sulfate				<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Endrin	610	---		<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Endrin aldehyde				<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Endrin ketone				<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Heptachlor	1	11		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Heptachlor epoxide	0.6	9.2		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Methoxychlor	10000	---		<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057
Toxaphene	5.2	170		<0.11	<0.12	<0.11	<0.11 J1	<0.11	<0.11	<0.11	<0.11	<0.11
Aroclor 1016	1			<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011
Aroclor 1221	1			<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011
Aroclor 1232	1			<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011
Aroclor 1242	1			<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011
Aroclor 1248	1			<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011 J3	<0.011
Aroclor 1254	1			<0.011	0.36 I	7.1	2	0.035	0.031	<0.011	<0.011	0.025
Aroclor 1260	1			<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011
PCB, Total	1					7.1	2					
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			8.3 I, Q	8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids										
			Lab Sample #	23I0313-10	23I0395-03	23I0395-04	23I0395-05	23I0395-06	23I0387-04	23I0387-05	23I0387-06	23I0394-02
			Sample Name	SB-77 (14-16)	SB-78 (6-8)	SB-78 (13-15)	SB-79 (5-7)	SB-79 (12-14)	SB-80 (1-3)	SB-80 (1-3)D	SB-80 (8-11)	SB-80 (11-12)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/11/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023
			Time sampled	4:40 PM	8:50 AM	9:20 AM	9:55 AM	10:15 AM	2:00 PM	2:00 PM	2:25 PM	3:00 PM
			% Solids		57.92507	86.27087	80.48077	80.81003	87.91423	85.56985	78.37573	85.47486
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00			976	12500	5660	11500	9430	12800	46100	9120
Antimony	820.00	---			0.098	<0.010	0.119	<0.010	<0.010	<0.010	0.099	<0.010
Arsenic	13.00	1200.00			<0.010 B1, J7	<0.010 B1, J7	<0.010 J7, B1	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00			0.798	0.647	0.786	0.734	0.413	0.425	1.54	0.48
Beryllium	4100.00	2100.00			<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---			78.7	27.2	9.32	20.1	20.8	24.4	201	30.0 I, J3
Cadmium	2000.00	2800.00			0.108 B2	0.004 B2	0.493 B2	0.003 B2	0.005 B2	<0.005 B2	0.430 B2	0.019 B2
Calcium	---	---			29100	83500	114000	72800	46000	68500	46100	93400
Chromium	6100.00	420.00			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---			2.05	9.88	6.9	10.6	7.84	8.14	69.6	12.2 I
Copper	82000.00	---			2010	239	16.7	19.2	70.4	30.9	16100	45.4 I
Cyanide (amenable)	41000.00	---										
Cyanide					0.701 V	<0.032 V	0.091 V	<0.034 V	0.073 V	<0.035 V	<0.036 V	<0.035 V
Hardness												
Iron	---	---			3270	17800	14800	18600	19900	20800	214000	17300 I
Lead	800.00	---			36.9	0.075	15	0.007	0.015	0.013	102	0.009
Magnesium	---	---			1470	38000	53800	35100	21600	33100	6560	36400
Manganese	41000.00	91000.00			457	493	486	510	1300	457	2620	703 I
Mercury	610.00	16.00			0.11	0.02	0.03	0.01	0.09	0.02	0.08	0.03 J3
Nickel	41000.00	21000.00			0.109	0.109	0.768	0.034	0.009	0.008	0.143	0.01
Potassium	---	---			<339	4370	1260	3570	2240	3950	5370	3100
Selenium	10000.00	---			0.041 J6	0.028 J6	0.036 J6	<0.025 J5	<0.025 J5	0.032 J6, V	0.037 J6, V	<0.025 J5
Silver	10000.00	---			<0.003	0.005	<0.003	0.005	0.005	0.004	<0.003	0.006
Sodium	---	---			435	344	376	263	382	436	11200	293
Strontium	1000000.00	---			206	63.2	40	44.6	28.3	43	168	53.9 I
Thallium	160.00	---			<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	14000.00	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---			101	1.36	624	0.15	0.599	0.157	80.9	0.752
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0038	<0.0088	<0.0043	0.01	<0.005	<0.0041	<0.0046	0.0084	<0.0045
Benzene	100	1.6		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Bromobenzene	16000	810		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Bromochloroethene												
Bromochloromethane				<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Bromodichloromethane	92	3000		<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Bromoform	720	100		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Bromomethane	2900	15		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
2-Butanone (MEK)	1000000	25000		<0.0038	<0.0088	<0.0043	<0.0051	<0.005	<0.0041	<0.0046	<0.005	<0.0045
Carbon Disulfide	200000	720		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Carbon tetrachloride	44	0.64		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Chlorobenzene	41000	210		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Chloroethane	---	1500		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Chloroform	940	0.54		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Chloromethane	---	170		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Dibromochloromethane	92	3000		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,2-Dibromoethane				<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Dibromomethane				<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,1-Dichloroethane	200000	1700		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,2-Dichloroethane	63	0.7		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,1-Dichloroethene				<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
cis-1,2-Dichloroethene	20000	1200		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
trans-1,2-Dichloroethene	41000	3100		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,1-Dichloropropene				<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,2-Dichloropropane	84	23		<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,3-Dichloropropane	41000	1000		<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
2,2-Dichloropropane				<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
cis-1,3-Dichloropropene	57	2.1		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
trans-1,3-Dichloropropene	57	2.1		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Ethylbenzene	200000	400		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
2-Hexanone (MBK)	10000	720		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Methylene Chloride	760	24		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	0.0018	<0.002	<0.0018
Methyl tert-butyl ether	20000	8800		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
4-Methyl-2pentanone (MIBK)	---	340		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Stryene	410000	1500		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Tetrachloroethene	110	20		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Trichlorofluoromethane	61000	1400		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Toluene	410000	650		<0.0015	<0.0035	<0.0017	0.0043	0.0038	0.0041	0.0033	0.0037	<0.0018
1,1,1-Trichloroethane	---	1200		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,1,2-Trichloroethane	8200	1800		<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,2,3-Trichloropropane	0.19	5		<0.0015	<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,1,1,2-Tetrachloroethane	61000	2100		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Trichloroethene	520	8.9		<0.0015	0.016	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Vinyl chloride	7.9	1.1		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018
Xylenes, Total	410000	320		<0.0015	<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids		23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Acenaphthylene	61000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Acetophenone						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Anthracene	610000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	0.088	<0.057
Azobenzene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Benzo(a)anthracene	8	---				0.16	<0.058	<0.06	<0.058	0.089	<0.055	0.18	<0.057 J1
Benzo(b)fluoranthene	8	---				0.25	<0.058	<0.06	<0.058	0.17	<0.055	0.23	<0.057
Benzo(k)fluoranthene	78	---				0.088	<0.058	<0.06	<0.058	0.066	<0.055	0.089	<0.057
Benzo(g,h,i)perylene	61000	---				0.14	<0.058	<0.06	<0.058	0.064	<0.055	0.082	<0.057
Benzo(a)pyrene	0.8	---				0.18	<0.058	<0.06	<0.058	0.1	<0.055	0.15	<0.057
Bis(2-chloroethyl)ether	5	0.47				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Bis(2-chloroethoxy)methane						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Bis(2-ethylhexyl)phthalate	410	31000				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
4-Bromophenyl phenyl ether						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Butyl benzyl phthalate	410000	930				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Carbazole	290	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
4-Chloro-3-methylphenol						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
4-Chloroaniline	8200	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
1-Chloronaphthalene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2-Chloronaphthalene	160000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2-Chlorophenol	10000	53000				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
4-Chlorophenyl phenyl ether						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Chrysene	780	---				0.27	<0.058	<0.06	<0.058	0.12	<0.055	0.25	<0.057 J1
1,2-Dichlorobenzene	180000	560				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
1,3-Dichlorobenzene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
1,4-Dichlorobenzene	---	17000				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2,4-Dichlorophenol	6100	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Di-n-butyl phthalate	200000	2300				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Di-n-octyl phthalate	41000	10000				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
1,2-Dinitrobenzene						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
1,3-Dinitrobenzene	200	---				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
1,4-Dinitrobenzene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2,6-Dinitrotoluene	8.4	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2,4-Dinitrophenol	4100	---				<0.28	<0.2	<0.2	<0.2	<0.19 O2	<0.19 O2	<0.2 O2	<0.19 J1, O2
2,4-Dinitrotoluene	8.4	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Dibenz(a,h)anthracene	0.8	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Dibenzofuran	2000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
3,3'-Dichlorobenzidine	13	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2,6-Dichlorophenol						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Diethyl phthalate	1000000	2000				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Dimethyl phthalate	1000000	1300				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
p-Dimethylaminoazobenzene						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
7,12-Dimethylbenzo(a)anthracene						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
2,4-Dimethylphenol	41000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
4,6-Dinitro-2-methylphenol						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Diphenylamine	51000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Fluoranthene	82000	---				0.36	<0.058	<0.06	<0.058	0.19	<0.055	0.39	<0.057
Fluorene	82000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Hexachlorobenzene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Hexachlorobutadiene	2000					<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Hexachlorocyclopentadiene						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
Hexachloroethane	2000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Hexachloropropene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Indeno(1,2,3-cd)pyrene	8	---				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Isodrin						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Isophorone	410000	4600				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Isosafrole						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Mestranol						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Ethyl methanesulfonate						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Methyl methanesulfonate						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2-Methylnaphthalene	8200	---				0.21	<0.058	<0.06	<0.058	<0.055	<0.055	0.11	<0.057
2-Methylphenol	100000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
4-Methylphenol	200000	170000				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	0.096	<0.057 J1
Naphthalene	41000	270				0.2	<0.058	<0.06	<0.058	<0.055	<0.055	0.12	<0.057
1-Naphthylamine						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
2-Naphthylamine						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
5-Nitroacenaphthene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
2-Nitroaniline	31000	28				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
3-Nitroaniline						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
4-Nitroaniline	8200	2400				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Nitrobenzene	1000	140				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
4-Nitrobiphenyl						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
2-Nitrophenol						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
4-Nitrophenol	16000	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
N-Nitrosodi-n-butylamine						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
N-Nitrosodi-n-propylamine	0.8	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
N-Nitrosopiperidine						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
2,2'-Oxybis (1-chloropropane)						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Pentachlorobenzene	6100	---				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Pentachloronitrobenzene						<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Pentachlorophenol	24	---				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Phenacetin						<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19
Phenanthrene	61000	---				0.41	<0.058	0.1	<0.058	0.12	<0.055	0.45	<0.057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486
Phenol	610000	---			0.086	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2-Picoline					<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Pronamide					<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
Pyrene	61000	---			0.3	<0.058	<0.06	<0.058	0.16	<0.055	0.36	<0.057 J1
Pyridine	2000	200000			<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1
Safrole					<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
1,2,4,5-Tetrachlorobenzene					<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2,3,4,6-Tetrachlorophenol					<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
1,2,4-Trichlorobenzene	20000	3200			<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057
2,4,5-Trichlorophenol	200000	---			<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
2,4,6-Trichlorophenol	520	390			<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
alpha-BHC	0.9	1.5			<0.0032	<0.0023	<0.0023	<0.0025	<0.0021	<0.0023	<0.0025	<0.0022
beta-BHC					<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
delta-BHC					0.4	<0.0056	<0.0058	<0.0061 O1	<0.0054	<0.0058	<0.0062	<0.0055
gamma-BHC	4	---			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
alpha-Chlordane	16	140			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
gamma-Chlordane	16	140			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Dieldrin	0.4	2.2			<0.0032	<0.0023	<0.0023	<0.0025	<0.0021	<0.0023	<0.0025	<0.0022
p,p'-DDT	17	1500			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
p,p'-DDD	24	---			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
p,p'-DDE	17	---			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Endosulfan I	12000	---			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Endosulfan II					<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Endosulfan sulfate					<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Endrin	610	---			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Endrin aldehyde					<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Endrin ketone					0.0095	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Heptachlor	1	11			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Heptachlor epoxide	0.6	9.2			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Methoxychlor	10000	---			<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055
Toxaphene	5.2	170			<0.16	<0.11	<0.12	<0.12	<0.11	<0.12	<0.12	<0.11
Aroclor 1016	1				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1221	1				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1232	1				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1242	1				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1248	1				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1254	1				93	0.046	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1260	1				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
PCB, Total	1				93							
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12				8.9 I, Q	8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167
Inorganics - mg/kg or mg/L												
Aluminum	1000000.00	1000000.00		9280	10200	13900	10500	6040	25000	6720	11800	4400
Antimony	820.00	---		0.06	0.026	0.033	0.048	<0.010	<0.010	<0.010	<0.010	<0.010
Arsenic	13.00	1200.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		3.58	0.806	0.628	0.802	0.343	0.366	0.424	0.472	0.396 I
Beryllium	4100.00	2100.00		<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	410000.00	---		59.6	41.3	57.5	65.9	64.8	13.8	11.2	22.8	8.21
Cadmium	2000.00	2800.00		0.259 B2	0.140 B2	0.086 B2	0.090 B2	<0.003 B2	0.006 B2	<0.003 B2	<0.005 B2	<0.003 B2
Calcium	---	---		20500	30500	92500	71200	79100	5210	98700	89100	50600
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00										
Cobalt	120000.00	---		9.18	10.2	11.7	7.94	5.8	21.2	11	7.66	3.2
Copper	82000.00	---		6990	1110	71	549	16.7	27.2	17.5	23.7	16.5
Cyanide (amenable)	41000.00	---										
Cyanide				0.259	0.035 V	0.663	0.037 J3	0.054	<0.038 J3, V	<0.031 J3, V	<0.034 J3	0.04
Hardness												
Iron	---	---		36400	21300	17600	17200	13100	49000	21800	16900	6780
Lead	800.00	---		26.5	2.03	1.86	2.76	<0.005	0.053	<0.005	0.018	0.005
Magnesium	---	---		8460	16200	38400	36900	40300	7270	48400	43300	27700
Manganese	41000.00	91000.00		700	371	589	550	479	431	632	412	268
Mercury	610.00	16.00		0.67 J3	0.1	0.02	0.17	0.01	0.04	0.009	0.02	1.03
Nickel	41000.00	21000.00		0.115	0.041	0.06	0.063	0.056	0.019	0.01	0.012	0.012
Potassium	---	---		1420	2020	4390	3750	2000	2620	1800	3740	1180
Selenium	10000.00	---		0.027 J6	0.032 J6	0.031 J6	0.032 J6, V	0.029 J6	0.027 J6	0.025 J6	0.033 J6, V	0.034 J6
Silver	10000.00	---		<0.003	<0.003	0.004	<0.003	0.004	<0.003	0.004	0.005	0.004
Sodium	---	---		1140	1570	953	1680	1560	<256	247	662	<225
Strontium	1000000.00	---		74	50.4	54.5	59.9	36.8	30.7	35.6	55.4	19.2
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1, J3
Vanadium	14000.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	610000.00	---		68.3	60.9	16.2	17.1	0.282	0.968	<0.025	0.071	<0.025
Volatiles Organics - mg/kg or mg/L												
Acetone	---	100000		<0.0058	<0.0053	0.018	<0.0046	<0.0044	0.029	<0.0043	<0.0049	<0.0048
Benzene	100	1.6		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Bromobenzene	16000	810		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Bromochloroethene												
Bromochloromethane				<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Bromodichloromethane	92	3000		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Bromoform	720	100		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Bromomethane	2900	15		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
2-Butanone (MEK)	1000000	25000		<0.0058	<0.0053	<0.005	<0.0046	<0.0044	0.0071	<0.0043	<0.0049	<0.0048
Carbon Disulfide	200000	720		<0.0023	<0.0021	0.0026	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Carbon tetrachloride	44	0.64		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Chlorobenzene	41000	210		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Chloroethane	---	1500		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Chloroform	940	0.54		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Chloromethane	---	170		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Dibromochloromethane	92	3000		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,2-Dibromoethane				<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Dibromomethane				<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,1-Dichloroethane	200000	1700		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	0.0023	<0.002	0.0043
1,2-Dichloroethane	63	0.7		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,1-Dichloroethene				<0.0023	<0.0021	0.01	<0.0018	<0.0018	0.0033	0.0023	<0.002	<0.0019
cis-1,2-Dichloroethene	20000	1200		<0.0023	<0.0021	0.061	0.02	<0.0018	0.032	0.17	<0.002	0.039
trans-1,2-Dichloroethene	41000	3100		<0.0023	<0.0021	0.0089	<0.0018	<0.0018	<0.0021	0.0073	<0.002	0.0054
1,1-Dichloropropene				<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,2-Dichloropropane	84	23		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,3-Dichloropropane	41000	1000		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
2,2-Dichloropropane				<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
cis-1,3-Dichloropropene	57	2.1		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
trans-1,3-Dichloropropene	57	2.1		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Ethylbenzene	200000	400		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
2-Hexanone (MBK)	10000	720		0.0035	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Isobutyl acetate												
Isopropylbenzene (Cumene)	200000	800		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Methylene Chloride	760	24		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Methyl tert-butyl ether	20000	8800		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
4-Methyl-2pentanone (MIBK)	---	340		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Stryene	410000	1500		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Tetrachloroethene	110	20		<0.0023	<0.0021	0.022	<0.0018	<0.0018	<0.0021	0.0029	<0.002	0.0042
Trichlorofluoromethane	61000	1400		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Toluene	410000	650		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,1,1-Trichloroethane	---	1200		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	0.011
1,1,2-Trichloroethane	8200	1800		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,2,3-Trichloropropane	0.19	5		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100		<0.0023	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000		0.011	<0.0021	<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019
Trichloroethene	520	8.9		<0.0023	<0.0021	<0.002	0.0036	<0.0018	<0.0021	<0.0017	0.0041	<0.0019
Vinyl chloride	7.9	1.1		<0.0023	<0.0021	<0.002	0.0049	<0.0018	<0.0021	0.0097	<0.002	<0.0019
Xylenes, Total	410000	320		<0.0023	<0.0021	0.0026	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167
Semi-Volatiles - mg/kg or mg/L												
Acenaphthene	120000	---		0.16	<0.059	0.088	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Acenaphthylene	61000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Acetophenone				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Anthracene	610000	---		0.26	0.083	0.18	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Azobenzene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Benzo(a)anthracene	8	---		0.29	0.11	0.48	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Benzo(b)fluoranthene	8	---		0.28	<0.059	0.58	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Benzo(k)fluoranthene	78	---		0.12	<0.059	0.22	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Benzo(g,h,i)perylene	61000	---		0.15	<0.059	0.34	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Benzo(a)pyrene	0.8	---		0.2	<0.059	0.45	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Bis(2-chloroethyl)ether	5	0.47		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Bis(2-chloroethoxy)methane				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Bis(2-ethylhexyl)phthalate	410	31000		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
4-Bromophenyl phenyl ether				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Butyl benzyl phthalate	410000	930		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Carbazole	290	---		<0.06	<0.059	0.099	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4-Chloro-3-methylphenol				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4-Chloroaniline	8200	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1-Chloronaphthalene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2-Chloronaphthalene	160000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2-Chlorophenol	10000	53000		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4-Chlorophenyl phenyl ether				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Chrysene	780	---		0.48	0.18	0.54	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1,2-Dichlorobenzene	180000	560		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1,3-Dichlorobenzene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1,4-Dichlorobenzene	---	17000		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,4-Dichlorophenol	6100	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Di-n-butyl phthalate	200000	2300		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Di-n-octyl phthalate	41000	10000		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
1,2-Dinitrobenzene				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
1,3-Dinitrobenzene	200	---		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
1,4-Dinitrobenzene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,6-Dinitrotoluene	8.4	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,4-Dinitrophenol	4100	---		<0.21 O2	<0.2	<0.19	<0.21 O2	<0.18 O2	<0.21	<0.19	<0.19 O2	<0.19 O2
2,4-Dinitrotoluene	8.4	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Dibenz(a,h)anthracene	0.8	---		<0.06	<0.059	0.064	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Dibenzofuran	2000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
3,3'-Dichlorobenzidine	13	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,6-Dichlorophenol				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Diethyl phthalate	1000000	2000		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Dimethyl phthalate	1000000	1300		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
p-Dimethylaminoazobenzene				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
2,4-Dimethylphenol	41000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4,6-Dinitro-2-methylphenol				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Diphenylamine	51000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Fluoranthene	82000	---		0.54	0.075	1	0.072	<0.053	<0.061	<0.057	0.076	<0.057
Fluorene	82000	---		0.19	0.11	0.082	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Hexachlorobenzene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Hexachlorobutadiene	2000			<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Hexachlorocyclopentadiene				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Hexachloroethane	2000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Hexachloropropene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Indeno(1,2,3-cd)pyrene	8	---		<0.21	<0.2	0.34	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Isodrin				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Isophorone	410000	4600		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Isosafrole				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Mestranol				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Ethyl methanesulfonate				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Methyl methanesulfonate				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2-Methylnaphthalene	8200	---		0.3	0.11	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2-Methylphenol	100000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4-Methylphenol	200000	170000		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Naphthalene	41000	270		0.2	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1-Naphthylamine				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
2-Naphthylamine				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
5-Nitroacenaphthene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2-Nitroaniline	31000	28		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
3-Nitroaniline				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4-Nitroaniline	8200	2400		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Nitrobenzene	1000	140		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
4-Nitrobiphenyl				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
2-Nitrophenol				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
4-Nitrophenol	16000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
N-Nitrosodi-n-butylamine				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
N-Nitrosodi-n-propylamine	0.8	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
N-Nitrosopiperidine				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,2'-Oxybis (1-chloropropane)				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Pentachlorobenzene	6100	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Pentachloronitrobenzene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Pentachlorophenol	24	---		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Phenacetin				<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Phenanthrene	61000	---		0.91	0.36	0.86	0.12	<0.053	<0.061	<0.057	0.064	<0.057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation										
			Lab Sample #	23I0394-03	23I0394-05	23I0394-08	23I0393-01	23I0393-04	23I0394-06	23I0394-07	23I0393-02	23I0393-03
			Sample Name	SB-81 (7-9)	SB-81 (10-12)	SB-82 (4-6)	SB-82 (8-9)	SB-82 (14-16)	SB-83 (5-7)	SB-83 (10-12)	SB-84 (1-3)	SB-84 (10-12)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023
			Time sampled	3:50 PM	4:10 PM	4:50 PM	5:00 PM	5:10 PM	4:20 PM	4:35 PM	5:05 PM	5:15 PM
			% Solids	78.80725	82.28461	85.1958	80.55281	87.93619	78.04878	86.8472	85.50725	86.98167
Phenol	610000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2-Picoline				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Pronamide				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Pyrene	61000	---		0.98	0.29	0.97	0.082	<0.053	<0.061	<0.057	0.061	<0.057
Pyridine	2000	200000		<0.21	<0.2	<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19
Safrole				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1,2,4,5-Tetrachlorobenzene				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,3,4,6-Tetrachlorophenol				<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
1,2,4-Trichlorobenzene	20000	3200		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,4,5-Trichlorophenol	200000	---		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
2,4,6-Trichlorophenol	520	390		<0.06	<0.059	<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.3	6.6		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
alpha-BHC	0.9	1.5		<0.0023	<0.0023	<0.0023 J3	<0.0024	<0.0022	<0.0025	<0.0022	<0.0022	<0.0023
beta-BHC				<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
delta-BHC				<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
gamma-BHC	4	---		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
alpha-Chlordane	16	140		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
gamma-Chlordane	16	140		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Dieldrin	0.4	2.2		<0.0023	<0.0023	<0.0023 J3	<0.0024	<0.0022	<0.0025	<0.0022	<0.0022	<0.0023
p,p'-DDT	17	1500		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
p,p'-DDD	24	---		<0.0059	<0.0058	<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
p,p'-DDE	17	---		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Endosulfan I	12000	---		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Endosulfan II				<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Endosulfan sulfate				<0.0059	<0.0058	<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Endrin	610	---		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Endrin aldehyde				<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Endrin ketone				<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Heptachlor	1	11		<0.0059	<0.0058	<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Heptachlor epoxide	0.6	9.2		<0.0059	<0.0058	<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Methoxychlor	10000	---		<0.0059	<0.0058	<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057
Toxaphene	5.2	170		<0.12	<0.12	<0.11	<0.12	<0.11	<0.12	<0.11	<0.11	<0.11
Aroclor 1016	1			<0.012	<0.012	0.099	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Aroclor 1221	1			<0.012	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Aroclor 1232	1			<0.012	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Aroclor 1242	1			<0.012	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Aroclor 1248	1			<0.012	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Aroclor 1254	1			<0.012	<0.012	0.12	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
Aroclor 1260	1			<0.012	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011
PCB, Total	1											
Dioxins - ng/Kg (ppt)												
2,3,7,8-TCDD Equivalence												
Alcohols - mg/kg or mg/L												
Methanol	1000000	100000										
pH - Standard Units												
pH	12			9.9 I, Q	9.7 I, Q	11.0 I, Q	10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249	23I0451-09 SB-86 (14-16) Soil 9/13/2023 9:00 AM 87.34884
Inorganics - mg/kg or mg/L							
Aluminum	1000000.00	1000000.00		12100	9580	10400	11200
Antimony	820.00	---		0.065	<0.010	0.028	<0.010
Arsenic	13.00	1200.00		<0.010 B1, I, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	140000.00	910000.00		0.452 I	0.345	0.755	0.681
Beryllium	4100.00	2100.00		0.003	<0.001	<0.001	<0.001
Boron	410000.00	---		695	25.4	21.3	24.1
Cadmium	2000.00	2800.00		0.505 B2, I	0.003 B2	0.112 B2	<0.003 B2
Calcium	---	---		62900	91100	68900	83700
Chromium	6100.00	420.00		<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	6100.00	420.00					
Cobalt	120000.00	---		17.9	8	8.24	9.65
Copper	82000.00	---		13100	17.7	3060	82
Cyanide (amenable)	41000.00	---					
Cyanide				0.07	<0.035	0.184	<0.032
Hardness							
Iron	---	---		44300	16300	21700	17800
Lead	800.00	---		30.1	0.013	3.78	<0.010
Magnesium	---	---		24500	44000	32600	40200
Manganese	41000.00	91000.00		4560	602	585	545
Mercury	610.00	16.00		0.73	0.01	0.38	0.02
Nickel	41000.00	21000.00		0.371 I	0.011	0.048	0.066
Potassium	---	---		964	3360	3210	4180
Selenium	10000.00	---		0.029 J3, J6	0.031 J6	0.039 J6	0.029 J6
Silver	10000.00	---		<0.012	<0.012	<0.012	<0.012
Sodium	---	---		4580	234	1480	784
Strontium	1000000.00	---		128	47.4	59.4	64.2
Thallium	160.00	---		<0.025 B1, I	0.035 B1	<0.025 B1	0.029 B1
Vanadium	14000.00	---		<0.005 B1	<0.005 B1	<0.005 B1	<0.005 B1
Zinc	610000.00	---		260	0.031	19.1	<0.025
Volatiles Organics - mg/kg or mg/L							
Acetone	---	100000		0.0086	<0.0043	0.0094	<0.0042
Benzene	100	1.6		<0.0018	<0.0017	<0.0023	<0.0017
Bromobenzene	16000	810		<0.0018	<0.0017	<0.0023	<0.0017
Bromochloroethene							
Bromochloromethane				<0.0018	<0.0017	<0.0023	<0.0017
Bromodichloromethane	92	3000		<0.0018	<0.0017	<0.0023	<0.0017
Bromoform	720	100		<0.0018	<0.0017	<0.0023	<0.0017
Bromomethane	2900	15		<0.0018	<0.0017	<0.0023	<0.0017
2-Butanone (MEK)	1000000	25000		<0.0045	<0.0043	<0.0057	<0.0042
Carbon Disulfide	200000	720		<0.0018	<0.0017	<0.0023	<0.0017
Carbon tetrachloride	44	0.64		<0.0018	<0.0017	<0.0023	<0.0017
Chlorobenzene	41000	210		<0.0018	<0.0017	<0.0023	<0.0017
Chloroethane	---	1500		<0.0018	<0.0017	<0.0023	<0.0017
Chloroform	940	0.54		<0.0018	<0.0017	<0.0023	<0.0017
Chloromethane	---	170		<0.0018	<0.0017	<0.0023	<0.0017
Dibromochloromethane	92	3000		<0.0018	<0.0017	<0.0023	<0.0017
1,2-Dibromoethane				<0.0018	<0.0017	<0.0023	<0.0017
Dibromomethane				<0.0018	<0.0017	<0.0023	<0.0017
1,1-Dichloroethane	200000	1700		<0.0018	<0.0017	<0.0023	<0.0017
1,2-Dichloroethane	63	0.7		<0.0018	<0.0017	<0.0023	<0.0017
1,1-Dichloroethene				<0.0018	<0.0017	<0.0023	<0.0017
cis-1,2-Dichloroethene	20000	1200		<0.0018	<0.0017	<0.0023	<0.0017
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0017	<0.0023	<0.0017
1,1-Dichloropropene				<0.0018	<0.0017	<0.0023	<0.0017
1,2-Dichloropropane	84	23		<0.0018	<0.0017	<0.0023	<0.0017
1,3-Dichloropropane	41000	1000		<0.0018	<0.0017	<0.0023	<0.0017
2,2-Dichloropropane				<0.0018	<0.0017	<0.0023	<0.0017
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0017	<0.0023	<0.0017
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0017	<0.0023	<0.0017
Ethylbenzene	200000	400		<0.0018	<0.0017	<0.0023	<0.0017
2-Hexanone (MBK)	10000	720		<0.0018	<0.0017	<0.0023	<0.0017
Isobutyl acetate							
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0017	<0.0023	<0.0017
Methylene Chloride	760	24		<0.0018	<0.0017	<0.0023	<0.0017
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0017	<0.0023	<0.0017
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0017	<0.0023	<0.0017
Stryene	410000	1500		<0.0018	<0.0017	<0.0023	<0.0017
Tetrachloroethene	110	20		<0.0018	<0.0017	<0.0023	<0.0017
Trichlorofluoromethane	61000	1400		<0.0018	<0.0017	<0.0023	<0.0017
Toluene	410000	650		0.0024	0.0027	0.005	<0.0017
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0017	<0.0023	<0.0017
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0017	<0.0023	<0.0017
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0017	<0.0023	<0.0017
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0017	<0.0023	<0.0017
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0017	<0.0023	<0.0017
Trichloroethene	520	8.9		<0.0018	<0.0017	<0.0023	<0.0017
Vinyl chloride	7.9	1.1		<0.0018	<0.0017	<0.0023	<0.0017
Xylenes, Total	410000	320		<0.0018	<0.0017	<0.0023	<0.0017

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249	23I0451-09 SB-86 (14-16) Soil 9/13/2023 9:00 AM 87.34884
Semi-Volatiles - mg/kg or mg/L							
Acenaphthene	120000	---		0.12	<0.057	<0.063	<0.054
Acenaphthylene	61000	---		<0.054	<0.057	<0.063	<0.054
Acetophenone				<0.054	<0.057	<0.063	<0.054
Anthracene	610000	---		0.28	<0.057	<0.063	<0.054
Azobenzene				<0.054	<0.057	<0.063	<0.054
Benzo(a)anthracene	8	---		0.59	<0.057	0.18	<0.054
Benzo(b)fluoranthene	8	---		0.8	<0.057	0.26	<0.054
Benzo(k)fluoranthene	78	---		0.28	<0.057	0.1	<0.054
Benzo(g,h,i)perylene	61000	---		0.26	<0.057	0.1	<0.054
Benzo(a)pyrene	0.8	---		0.49	<0.057	0.16	<0.054
Bis(2-chloroethyl)ether	5	0.47		<0.054	<0.057	<0.063	<0.054
Bis(2-chloroethoxy)methane				<0.054	<0.057	<0.063	<0.054
Bis(2-ethylhexyl)phthalate	410	31000		<0.18	<0.19	<0.21	<0.18
4-Bromophenyl phenyl ether				<0.054	<0.057	<0.063	<0.054
Butyl benzyl phthalate	410000	930		<0.054	<0.057	<0.063	<0.054
Carbazole	290	---		0.23	<0.057	<0.063	<0.054
4-Chloro-3-methylphenol				<0.054	<0.057	<0.063	<0.054
4-Chloroaniline	8200	---		<0.054	<0.057	<0.063	<0.054
1-Chloronaphthalene				<0.054	<0.057	<0.063	<0.054
2-Chloronaphthalene	160000	---		<0.054	<0.057	<0.063	<0.054
2-Chlorophenol	10000	53000		<0.054	<0.057	<0.063	<0.054
4-Chlorophenyl phenyl ether				<0.054	<0.057	<0.063	<0.054
Chrysene	780	---		0.74	<0.057	0.22	<0.054
1,2-Dichlorobenzene	180000	560		<0.054	<0.057	<0.063	<0.054
1,3-Dichlorobenzene				<0.054	<0.057	<0.063	<0.054
1,4-Dichlorobenzene	---	17000		<0.054	<0.057	<0.063	<0.054
2,4-Dichlorophenol	6100	---		<0.054	<0.057	<0.063	<0.054
Di-n-butyl phthalate	200000	2300		<0.18	<0.19	<0.21	<0.18
Di-n-octyl phthalate	41000	10000		<0.18	<0.19	<0.21	<0.18
1,2-Dinitrobenzene				<0.18	<0.19	<0.21	<0.18
1,3-Dinitrobenzene	200	---		<0.18	<0.19	<0.21	<0.18
1,4-Dinitrobenzene				<0.054	<0.057	<0.063	<0.054
2,6-Dinitrotoluene	8.4	---		<0.054	<0.057	<0.063	<0.054
2,4-Dinitrophenol	4100	---		<0.18	<0.19	<0.21	<0.18
2,4-Dinitrotoluene	8.4	---		<0.054	<0.057	<0.063	<0.054
Dibenz(a,h)anthracene	0.8	---		<0.054	<0.057	<0.063	<0.054
Dibenzofuran	2000	---		0.17	<0.057	<0.063	<0.054
3,3'-Dichlorobenzidine	13	---		<0.054	<0.057	<0.063	<0.054
2,6-Dichlorophenol				<0.054	<0.057	<0.063	<0.054
Diethyl phthalate	1000000	2000		<0.054	<0.057	<0.063	<0.054
Dimethyl phthalate	1000000	1300		<0.054	<0.057	<0.063	<0.054
p-Dimethylaminoazobenzene				<0.18	<0.19	<0.21	<0.18
7,12-Dimethylbenzo(a)anthracene				<0.18	<0.19	<0.21	<0.18
2,4-Dimethylphenol	41000	---		<0.054	<0.057	<0.063	<0.054
4,6-Dinitro-2-methylphenol				<0.18	<0.19	<0.21	<0.18
Diphenylamine	51000	---		<0.054	<0.057	<0.063	<0.054
Fluoranthene	82000	---		1.7	<0.057	0.39	<0.054
Fluorene	82000	---		0.15	<0.057	<0.063	<0.054
Hexachlorobenzene				<0.054	<0.057	<0.063	<0.054
Hexachlorobutadiene	2000			<0.054	<0.057	<0.063	<0.054
Hexachlorocyclopentadiene				<0.18	<0.19	<0.21	<0.18
Hexachloroethane	2000	---		<0.054	<0.057	<0.063	<0.054
Hexachloropropene				<0.054	<0.057	<0.063	<0.054
Indeno(1,2,3-cd)pyrene	8	---		0.28	<0.19	<0.21	<0.18
Isodrin				<0.054	<0.057	<0.063	<0.054
Isophorone	410000	4600		<0.18	<0.19	<0.21	<0.18
Isosafrole				<0.054	<0.057	<0.063	<0.054
Mestranol				<0.18	<0.19	<0.21	<0.18
Ethyl methanesulfonate				<0.054	<0.057	<0.063	<0.054
Methyl methanesulfonate				<0.054	<0.057	<0.063	<0.054
2-Methylnaphthalene	8200	---		0.15	<0.057	<0.063	<0.054
2-Methylphenol	100000	---		<0.054	<0.057	<0.063	<0.054
4-Methylphenol	200000	170000		<0.054	<0.057	<0.063	<0.054
Naphthalene	41000	270		0.24	<0.057	<0.063	<0.054
1-Naphthylamine				<0.18	<0.19	<0.21	<0.18
2-Naphthylamine				<0.18	<0.19	<0.21	<0.18
5-Nitroacenaphthene				<0.054	<0.057	<0.063	<0.054
2-Nitroaniline	31000	28		<0.18	<0.19	<0.21	<0.18
3-Nitroaniline				<0.054	<0.057	<0.063	<0.054
4-Nitroaniline	8200	2400		<0.054	<0.057	<0.063	<0.054
Nitrobenzene	1000	140		<0.054	<0.057	<0.063	<0.054
4-Nitrobiphenyl				<0.18	<0.19	<0.21	<0.18
2-Nitrophenol				<0.18	<0.19	<0.21	<0.18
4-Nitrophenol	16000	---		<0.054	<0.057	<0.063	<0.054
N-Nitrosodi-n-butylamine				<0.054	<0.057	<0.063	<0.054
N-Nitrosodi-n-propylamine	0.8	---		<0.054	<0.057	<0.063	<0.054
N-Nitrosopiperidine				<0.054	<0.057	<0.063	<0.054
2,2'-Oxybis (1-chloropropane)				<0.054	<0.057	<0.063	<0.054
Pentachlorobenzene	6100	---		<0.054	<0.057	<0.063	<0.054
Pentachloronitrobenzene				<0.054	<0.057	<0.063	<0.054
Pentachlorophenol	24	---		<0.18	<0.19	<0.21	<0.18
Phenacetin				<0.18	<0.19	<0.21	<0.18
Phenanthrene	61000	---		1.9	<0.057	0.24	<0.054

CHEMICAL NAME	E ACTION OBJECTIV INDUSTRIAL COMMERCIAL Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249	23I0451-09 SB-86 (14-16) Soil 9/13/2023 9:00 AM 87.34884
Phenol	610000	---			<0.054	<0.057	<0.063	<0.054
2-Picoline					<0.054	<0.057	<0.063	<0.054
Pronamide					<0.054	<0.057	<0.063	<0.054
Pyrene	61000	---			1.2	<0.057	0.29	<0.054
Pyridine	2000	200000			<0.18	<0.19	<0.21	<0.18
Safrole					<0.054	<0.057	<0.063	<0.054
1,2,4,5-Tetrachlorobenzene					<0.054	<0.057	<0.063	<0.054
2,3,4,6-Tetrachlorophenol					<0.054	<0.057	<0.063	<0.054
1,2,4-Trichlorobenzene	20000	3200			<0.054	<0.057	<0.063	<0.054
2,4,5-Trichlorophenol	200000	---			<0.054	<0.057	<0.063	<0.054
2,4,6-Trichlorophenol	520	390			<0.054	<0.057	<0.063	<0.054
Pesticides/PCBs - mg/kg or mg/L								
Aldrin	0.3	6.6			<0.0057	<0.0055	<0.006	<0.0056
alpha-BHC	0.9	1.5			<0.0023	<0.0022	<0.0024	<0.0022
beta-BHC					<0.0057	<0.0055	<0.006	<0.0056
delta-BHC					<0.0057 O1	<0.0055 O1	<0.006 O1	<0.0056
gamma-BHC	4	---			<0.0057	<0.0055	<0.006	<0.0056
alpha-Chlordane	16	140			<0.0057	<0.0055	<0.006	<0.0056
gamma-Chlordane	16	140			<0.0057	<0.0055	<0.006	<0.0056
Dieldrin	0.4	2.2			0.064	<0.0022	0.0024	<0.0022
p,p'-DDT	17	1500			<0.0057	<0.0055	<0.006	<0.0056
p,p'-DDD	24	---			<0.0057	<0.0055	<0.006	<0.0056
p,p'-DDE	17	---			0.008	<0.0055	<0.006	<0.0056
Endosulfan I	12000	---			<0.0057	<0.0055	<0.006	<0.0056
Endosulfan II					<0.0057	<0.0055	<0.006	<0.0056
Endosulfan sulfate					<0.0057	<0.0055	<0.006	<0.0056
Endrin	610	---			<0.0057	<0.0055	<0.006	<0.0056
Endrin aldehyde					<0.0057	<0.0055	<0.006	<0.0056
Endrin ketone					0.023	<0.0055	<0.006	<0.0056
Heptachlor	1	11			<0.0057	<0.0055	<0.006	<0.0056
Heptachlor epoxide	0.6	9.2			0.0064	<0.0055	<0.006	<0.0056
Methoxychlor	10000	---			<0.0057	<0.0055	<0.006	<0.0056
Toxaphene	5.2	170			<0.11	<0.11	<0.12	<0.11
Aroclor 1016	1				<0.011	<0.011	<0.012	<0.011
Aroclor 1221	1				<0.011	<0.011	<0.012	<0.011
Aroclor 1232	1				<0.011	<0.011	<0.012	<0.011
Aroclor 1242	1				<0.011	<0.011	<0.012	<0.011
Aroclor 1248	1				<0.011	<0.011	<0.012	<0.011
Aroclor 1254	1				1.3	<0.011	<0.012	<0.011
Aroclor 1260	1				0.48	<0.011	<0.012	<0.011
PCB, Total	1				1.78			
Dioxins - ng/Kg (ppt)								
2,3,7,8-TCDD Equivalence								
Alcohols - mg/kg or mg/L								
Methanol	1000000	100000						
pH - Standard Units								
pH	12				7.7 I, Q	8.4 I, Q	10.3 I, Q	9.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1213-01 X201 Soil 9/28/2022 4:00 PM 75.29644	22I1213-02 X301 Soil 9/28/2022 4:40 PM 99.1	22I1083-01 SB01 5-8 Soil 9/26/2022 1:45 PM 80.21978	22I1083-02 SB01 10-12 Soil 9/26/2022 2:10 PM 84.01598	22I1083-04 SB02 9-12 Soil 9/26/2022 2:20 PM 86.52695	22I1083-05 SB03 0-3 Soil 9/26/2022 2:45 PM 91.43427	22I1083-06 SB03 4-7 Soil 9/26/2022 2:50 PM 85.25896	22I1083-07 SB03 9-11 Soil 9/26/2022 3:05 PM 83.8806	22I1083-08 SB04 4-7 Soil 9/26/2022 2:50 PM 78.99497	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		10300	33400	6010	5670	13400	13400	12700	7420	11500 J3	11200
Antimony	82.00	---		3.67 B2	47.6 B2	<2.44 B2	<2.38 B2	2.88 B2	3.24 B2	29.4 B2	2.53 B2	26.0 B2, J3	4.67 B2
Arsenic	61.00	25000.00		10.1 B2	9.73 B2	4.78 B2	4.87 B2	7.59 B2	11.4 B2	16.3	6.09 B2	21	13.1
Barium	14000.00	870000.00		60.7	435	22.3	16.5	23.7	59.3	133	13.8	139	71.2
Beryllium	410.00	44000.00		<0.26	97.1	<0.24	<0.24	<0.23	<0.22	8.03	<0.24	3.47	<0.23
Boron	41000.00	---		28.7 B1	5990 B1	11.6 B1	6.35 B1	19.2 B1	14.9 B1	319 B1	18.4 B1	153 B1, J3	22.0 B1
Cadmium	200.00	59000.00		6.20 B2	42.2 B2	2.66 B2	3.95 B2	6.08 B2	4.67 B2	27.3 B2	5.44 B2	23.7 B2	12.3 B2
Calcium	---	---		75600	20100	85800	84500	40300	80000	92500	51200	6700 J3	3980
Chromium	4100.00	690.00		15.2	96.8	10.3	9.17	19.9	19.5	54.2	12.7	38.0 J3	19.2
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		9.61	70	6.02	7.67	10.3	9.5	10.6	8.62	8.37	10.6
Copper	8200.00	---		138	14400	27.4	21.8	22.3	32	6810	31	12100 J3	2330
Cyanide (amenable)	4100.00	---											
Cyanide				0.071		<0.037	<0.033	<0.032	<0.032	0.159	<0.034	0.393 J3, V	0.217 J3, V
Hardness													
Iron	---	---		16600	205000	10200	16600	28000	19300	32900	13300	17700 J3, I	21200
Lead	700.00	---		69.5	6530	8.77	6.85	10.6	21.2	9260	17.7	3660	575
Magnesium	730000.00	---		37200	10200	45100	41700	27500	38300	54100	30600	3340 J3	4270
Manganese	4100.00	8700.00		638	7440	594	539	324	557	818	403	771	365
Mercury	61.00	0.10		0.04	0.03 J3	0.08	0.009	0.01	0.02	0.29	0.02	0.24 J3	0.04
Nickel	4100.00	440000.00		21.6	696	12.7	15.6	31.5	23.2	101	20.7	114 J3	31.4
Potassium	---	---		2330	1750	1860	1650	4200	3630	1690	2620	463	2120
Selenium	1000.00	---		5.03 B2	30.6 B2	<2.44 B2	<2.38 B2	<2.31 B2	<2.19 B2	<2.35 B2	<2.38 B2	9.69 B2	5.23 B2
Silver	1000.00	---		0.78	1.94	0.91	0.75	<0.58	0.6	3.94	<0.60	5.24 J3	<0.57
Sodium	---	---		415	32000	335	<238	407	819	2350	304	625	537
Strontium	410000.00	---		55.8	91.4	37	37.5	25.9	48	66.7	29.6	40.8 J3	25.6
Thallium	160.00	---		<2.60 B2	16.4 B2	<2.44 B2	<2.38 B2	4.55 B2	<2.19 B2	10.2 B2	<2.38 B2	<2.58 B2, I	<2.26 B2
Vanadium	1400.00	---		19.6 B1	18.4 B1	13.6 B1	14.5 B1	20.2 B1	25.7 B1	14.4 B1	16.2 B1	11.2	24.9
Zinc	61000.00	---		760	129000	358	82.2	1190	98.2	17700	1080	23500	5050
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.63 I		0.019	<0.0049	<0.0048	<0.0044	<0.0043	<0.0049	<0.0059	0.0075
Benzene	100	1.6		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Bromobenzene	16000	810		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Bromochloroethene													
Bromochloromethane				<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Bromodichloromethane	92	3000		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Bromoform	720	100		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Bromomethane	2900	15		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
2-Butanone (MEK)	1000000	25000		<0.63 I		<0.0059	<0.0049	<0.0048	<0.0044	<0.0043	<0.0049	<0.0059	<0.0052
Carbon Disulfide	200000	720		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Carbon tetrachloride	44	0.64		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Chlorobenzene	41000	210		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Chloroethane	---	1500		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Chloroform	940	0.54		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Chloromethane	---	170		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Dibromochloromethane	92	3000		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,2-Dibromoethane				<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Dibromomethane				<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1-Dichloroethane	200000	1700		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,2-Dichloroethane	63	0.7		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1-Dichloroethene				<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
cis-1,2-Dichloroethene	20000	1200		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
trans-1,2-Dichloroethene	41000	3100		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1-Dichloropropene				<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,2-Dichloropropane	84	23		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,3-Dichloropropane	41000	1000		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
2,2-Dichloropropane				<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
cis-1,3-Dichloropropene	57	2.1		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
trans-1,3-Dichloropropene	57	2.1		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Ethylbenzene	200000	400		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
2-Hexanone (MBK)	10000	720		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Methylene Chloride	760	24		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Methyl tert-butyl ether	20000	8800		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
4-Methyl-2pentanone (MIBK)	---	340		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Stryene	410000	1500		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Tetrachloroethene	110	20		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Trichlorofluoromethane	61000	1400		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Toluene	410000	650		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1,1-Trichloroethane	---	1200		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1,2-Trichloroethane	8200	1800		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,2,3-Trichloropropane	0.19	5		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1,1,2-Tetrachloroethane	61000	2100		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
1,1,2,2-Tetrachloroehtane	12000	2000		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Trichloroethene	520	8.9		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Vinyl chloride	7.9	1.1		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Xylenes, Total	410000	320		<0.25 I		<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023	<0.0021
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---											
Acenaphthylene	61000	---											
Acetophenone													
Anthracene	610000	---											
Azobenzene													
Benzo(a)anthracene	8	---											
Benzo(b)fluoranthene	8	---											
Benzo(k)fluoranthene	78	---											
Benzo(g,h,i)perylene	61000	---											
Benzo(a)pyrene	0.8	---											
Bis(2-chloroethyl)ether	5	0.47											

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample #	22I1213-01	22I1213-02	22I1083-01	22I1083-02	22I1083-04	22I1083-05	22I1083-06	22I1083-07	22I1083-08	22I1083-09
			Sample Name	X201	X301	SB01 5-8	SB01 10-12	SB02 9-12	SB03 0-3	SB03 4-7	SB03 9-11	SB04 4-7	SB04 9-12
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/28/2022	9/28/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	4:00 PM	4:40 PM	1:45 PM	2:10 PM	2:20 PM	2:45 PM	2:50 PM	3:05 PM	2:50 PM	3:00 PM
			% Solids	75.29644	99.1	80.21978	84.01598	86.52695	91.43427	85.25896	83.8806	78.99497	86.65998
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate	410	31000											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate	410000	930											
Carbazole	290	---											
4-Chloro-3-methylphenol													
4-Chloroaniline	8200	---											
1-Chloronaphthalene													
2-Chloronaphthalene	160000	---											
2-Chlorophenol	10000	53000											
4-Chlorophenyl phenyl ether													
Chrysene	780	---											
1,2-Dichlorobenzene	180000	560											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene	---	17000											
2,4-Dichlorophenol	6100	---											
Di-n-butyl phthalate	200000	2300											
Di-n-octyl phthalate	41000	10000											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene	200	---											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene	8.4	---											
2,4-Dinitrophenol	4100	---											
2,4-Dinitrotoluene	8.4	---											
Dibenz(a,h)anthracene	0.8	---											
Dibenzofuran	2000	---											
3,3'-Dichlorobenzidine	13	---											
2,6-Dichlorophenol													
Diethyl phthalate	1000000	2000											
Dimethyl phthalate	1000000	1300											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol	41000	---											
4,6-Dinitro-2-methylphenol													
Diphenylamine	51000	---											
Fluoranthene	82000	---											
Fluorene	82000	---											
Hexachlorobenzene													
Hexachlorobutadiene	2000												
Hexachlorocyclopentadiene													
Hexachloroethane	2000	---											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene	8	---											
Isodrin													
Isophorone	410000	4600											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene	8200	---											
2-Methylphenol	100000	---											
4-Methylphenol	200000	170000											
Naphthalene	41000	270											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline	31000	28											
3-Nitroaniline													
4-Nitroaniline	8200	2400											
Nitrobenzene	1000	140											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol	16000	---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine	0.8	---											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene	6100	---											
Pentachloronitrobenzene													
Pentachlorophenol	24	---											
Phenacetin													
Phenanthrene	61000	---											
Phenol	610000	---											
2-Picoline													
Pronamide													
Pyrene	61000	---											
Pyridine	2000	200000											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene	20000	3200											
2,4,5-Trichlorophenol	200000	---											
2,4,6-Trichlorophenol	520	390											
Pesticides/PCBs - mg/kg or mg/L													
Aldrin	0.3	6.6											
alpha-BHC	0.9	1.5											
beta-BHC													
delta-BHC													
gamma-BHC	4	---											
alpha-Chlordane	16	140											
gamma-Chlordane	16	140											
Dieldrin	0.4	2.2											
p,p'-DDT	17	1500											
p,p'-DDD	24	---											
p,p'-DDE	17	---											
Endosulfan I	12000	---											
Endosulfan II													

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample #	22I1213-01	22I1213-02	22I1083-01	22I1083-02	22I1083-04	22I1083-05	22I1083-06	22I1083-07	22I1083-08	22I1083-09
			Sample Name	X201	X301	SB01 5-8	SB01 10-12	SB02 9-12	SB03 0-3	SB03 4-7	SB03 9-11	SB04 4-7	SB04 9-12
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/28/2022	9/28/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	4:00 PM	4:40 PM	1:45 PM	2:10 PM	2:20 PM	2:45 PM	2:50 PM	3:05 PM	2:50 PM	3:00 PM
			% Solids	75.29644	99.1	80.21978	84.01598	86.52695	91.43427	85.25896	83.8806	78.99497	86.65998
Endosulfan sulfate													
Endrin	610	---											
Endrin aldehyde													
Endrin ketone													
Heptachlor	1	11											
Heptachlor epoxide	0.6	9.2											
Methoxychlor	10000	---											
Toxaphene	5.2	170											
Aroclor 1016	1												
Aroclor 1221	1												
Aroclor 1232	1												
Aroclor 1242	1												
Aroclor 1248	1												
Aroclor 1254	1												
Aroclor 1260	1												
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12												

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE		Lab Sample #	23I0451-04	23I0452-02	22I1083-13	22I1083-14	22I1083-15	22I1080-02	23I0394-04	22I1080-03	22I1080-04	22I1080-05
			Sample Name	SB-4E (1-3)	SB-4E (10-12)	SB05 0-3	SB05 6-9	SB05 9-11	SB06 8.5-10.5	SB-6E (10-12)	SB07 4-8	SB07 8-10	SB08 6-8
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION		Date sampled	9/13/2023	9/13/2023	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/12/2023	9/26/2022	9/26/2022	9/26/2022
	WORKER		Time sampled	9:30 AM	10:50 AM	3:40 PM	3:50 PM	4:00 PM	4:10 PM	4:00 PM	4:45 PM	4:50 PM	4:45 PM
	Ingestion	Inhalation	% Solids	84.37792	82.14286	91.42572	86.17235	83.13374	77.21393	76.0659	78.60696	78.9	89.0099
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		14700	9790	8320	8060	7920	13900	18400	11300	7870	11400
Antimony	82.00	---		<0.010	<0.010	3.03 B2	10.2 B2	<2.45 B2	4.46 B2, J3	<0.010	86.6 B2	<2.53 B2	38.6 B2
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 B1, J7	9.98 B2	14	7.88 B2	22.7	<0.010 B1, J7	25.5	5.96	21.1
Barium	14000.00	870000.00		0.535	0.207	41.8	71.1	17.1	92.7	0.343	216	25.9	199
Beryllium	410.00	44000.00		<0.001	<0.001	0.55	0.72	<0.25	<0.26	<0.001	12.6	<0.25	15.9
Boron	41000.00	---		22.4	28.2	48.4 B1	36.0 B1	27.5 B1	53.3 B1	63	319 B1	124 B1	262 B1
Cadmium	200.00	59000.00		0.004 B2	0.004 B2	3.46 B2	8.36 B2	3.84 B2	10.6 B2	0.010 B2	30.0 B2	4.18 B2	24.3 B2
Calcium	---	---		64300	77800	72000	53600	70200	44400	3910	18400	52200	14000
Chromium	4100.00	690.00		<0.005	<0.005	13.6	17	13.5	20.6	<0.005	206	14.3	69.5
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		9.95	18.1	7.75	7.63	8.03	14.4	14.9	25.2	6.9	16.5
Copper	8200.00	---		92.2	21.7	155	4380	29.6	29.3 I	20.5	56900	41.6	20800
Cyanide (amenable)	4100.00	---											
Cyanide				<0.037	<0.032	0.140 V	0.097 V	<0.035 V	<0.038	<0.038 V	0.098 J3	<0.038	0.174
Hardness													
Iron	---	---		19500	28900	14200	17000	12400	35000 I	35200	49700	14600	45900
Lead	700.00	---		<0.010	<0.010	82.1	1410	11.8	12.9 I	<0.005	6260	23.8	4690
Magnesium	730000.00	---		30500	44700	30400	28100	37900	28900	5450	11000	30900	6210
Manganese	4100.00	8700.00		526	1340	530	541	499	621	499	2100	386	1070
Mercury	61.00	0.10		0.06	0.01	0.03	0.22	0.01	0.01	0.04	0.33	0.01	0.03
Nickel	4100.00	440000.00		0.011	0.011	22.6	38.1	20.4	33.2	0.012	1950	17.3	204
Potassium	---	---		3510	2890	1970	1620	2980	2950	3370	1140	1440	1310
Selenium	1000.00	---		0.045 J6	0.026 J6	<2.14 B2	4.76 B2	<2.45 B2	5.40 B2, I	0.041 J6	92.8 B2	<2.53 B2	9.72 B2
Silver	1000.00	---		<0.012	<0.012	<0.54	1.32	<0.61	<0.65	0.003	11.7	<0.63	4.31
Sodium	---	---		237	482	923	638	587	1700	2100	5580	2820	1910
Strontium	410000.00	---		40.8	37	35.3	33.7	39.6	35.4	52.2	98.3	23	62.6
Thallium	160.00	---		0.026 B1	0.028 B1	<2.14 B2	<2.32 B2	<2.45 B2	4.23 B2	<0.025 B1	<2.54 B2	<2.53 B2	7.74 B2
Vanadium	1400.00	---		<0.005 B1	<0.005 B1	18.6	17.2	19.1	29.9 B1	<0.005	16.2 B1	20.4 B1	14.2 B1
Zinc	61000.00	---		0.238	0.059	1270	7390	333	1530	0.257	58900	1180	38900
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0054	<0.0054	<0.004	<0.0056	0.0065	<0.0057	0.013	<0.0063	<0.0055	<0.0047
Benzene	100	1.6		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Bromobenzene	16000	810		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Bromochloroethene													
Bromochloromethane				<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Bromodichloromethane	92	3000		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Bromoform	720	100		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Bromomethane	2900	15		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
2-Butanone (MEK)	1000000	25000		<0.0054	<0.0054	<0.004	<0.0056	<0.0048	<0.0057	<0.0053	<0.0063	<0.0055	<0.0047
Carbon Disulfide	200000	720		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Carbon tetrachloride	44	0.64		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Chlorobenzene	41000	210		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Chloroethane	---	1500		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Chloroform	940	0.54		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Chloromethane	---	170		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Dibromochloromethane	92	3000		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,2-Dibromoethane				<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Dibromomethane				<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1-Dichloroethane	200000	1700		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,2-Dichloroethane	63	0.7		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1-Dichloroethene				<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
cis-1,2-Dichloroethene	20000	1200		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
trans-1,2-Dichloroethene	41000	3100		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1-Dichloropropene				<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,2-Dichloropropane	84	23		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,3-Dichloropropane	41000	1000		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
2,2-Dichloropropane				<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
cis-1,3-Dichloropropene	57	2.1		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
trans-1,3-Dichloropropene	57	2.1		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Ethylbenzene	200000	400		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
2-Hexanone (MBK)	10000	720		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Methylene Chloride	760	24		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Methyl tert-butyl ether	20000	8800		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
4-Methyl-2pentanone (MIBK)	---	340		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Stryene	410000	1500		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Tetrachloroethene	110	20		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Trichlorofluoromethane	61000	1400		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Toluene	410000	650		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1,1-Trichloroethane	---	1200		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1,2-Trichloroethane	8200	1800		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,2,3-Trichloropropane	0.19	5		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	0.0021
Trichloroethene	520	8.9		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Vinyl chloride	7.9	1.1		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	<0.0019
Xylenes, Total	410000	320		<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022	0.0022
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.057	<0.059					<0.065			
Acenaphthylene	61000	---		<0.057	<0.059					<0.065			
Acetophenone				<0.057	<0.059					<0.065			
Anthracene	610000	---		<0.057	<0.059					<0.065			
Azobenzene				<0.057	<0.059					<0.065			
Benzo(a)anthracene	8	---		0.22	<0.059					<0.065			
Benzo(b)fluoranthene	8	---		0.4	<0.059					<0.065			
Benzo(k)fluoranthene	78	---		0.17	<0.059					<0.065			
Benzo(g,h,i)perylene	61000	---		0.19	<0.059					<0.065			
Benzo(a)pyrene	0.8	---		0.27	<0.059					<0.065			
Bis(2-chloroethyl)ether	5	0.47		<0.057	<0.059					<0.065			

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099
Bis(2-chloroethoxy)methane				<0.057	<0.059					<0.065			
Bis(2-ethylhexyl)phthalate	410	31000		<0.19	<0.2					<0.22			
4-Bromophenyl phenyl ether				<0.057	<0.059					<0.065			
Butyl benzyl phthalate	410000	930		<0.057	<0.059					<0.065			
Carbazole	290	---		<0.057	<0.059					<0.065			
4-Chloro-3-methylphenol				<0.057	<0.059					<0.065			
4-Chloroaniline	8200	---		<0.057	<0.059					<0.065			
1-Chloronaphthalene				<0.057	<0.059					<0.065			
2-Chloronaphthalene	160000	---		<0.057	<0.059					<0.065			
2-Chlorophenol	10000	53000		<0.057	<0.059					<0.065			
4-Chlorophenyl phenyl ether				<0.057	<0.059					<0.065			
Chrysene	780	---		0.31	<0.059					<0.065			
1,2-Dichlorobenzene	180000	560		<0.057	<0.059					<0.065			
1,3-Dichlorobenzene				<0.057	<0.059					<0.065			
1,4-Dichlorobenzene	---	17000		<0.057	<0.059					<0.065			
2,4-Dichlorophenol	6100	---		<0.057	<0.059					<0.065			
Di-n-butyl phthalate	200000	2300		<0.19	<0.2					<0.22			
Di-n-octyl phthalate	41000	10000		<0.19	<0.2					<0.22			
1,2-Dinitrobenzene				<0.19	<0.2					<0.22			
1,3-Dinitrobenzene	200	---		<0.19	<0.2					<0.22			
1,4-Dinitrobenzene				<0.057	<0.059					<0.065			
2,6-Dinitrotoluene	8.4	---		<0.057	<0.059					<0.065			
2,4-Dinitrophenol	4100	---		<0.19	<0.2					<0.22			
2,4-Dinitrotoluene	8.4	---		<0.057	<0.059					<0.065			
Dibenz(a,h)anthracene	0.8	---		<0.057	<0.059					<0.065			
Dibenzofuran	2000	---		<0.057	<0.059					<0.065			
3,3'-Dichlorobenzidine	13	---		<0.057	<0.059					<0.065			
2,6-Dichlorophenol				<0.057	<0.059					<0.065			
Diethyl phthalate	1000000	2000		<0.057	<0.059					<0.065			
Dimethyl phthalate	1000000	1300		<0.057	<0.059					<0.065			
p-Dimethylaminoazobenzene				<0.19	<0.2					<0.22			
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.2					<0.22			
2,4-Dimethylphenol	41000	---		<0.057	<0.059					<0.065			
4,6-Dinitro-2-methylphenol				<0.19	<0.2					<0.22			
Diphenylamine	51000	---		<0.057	<0.059					<0.065			
Fluoranthene	82000	---		0.63	<0.059					<0.065			
Fluorene	82000	---		<0.057	<0.059					<0.065			
Hexachlorobenzene				<0.057	<0.059					<0.065			
Hexachlorobutadiene	2000			<0.057	<0.059					<0.065			
Hexachlorocyclopentadiene				<0.19	<0.2					<0.22			
Hexachloroethane	2000	---		<0.057	<0.059					<0.065			
Hexachloropropene				<0.057	<0.059					<0.065			
Indeno(1,2,3-cd)pyrene	8	---		0.2	<0.2					<0.22			
Isodrin				<0.057	<0.059					<0.065			
Isophorone	410000	4600		<0.19	<0.2					<0.22			
Isosafrole				<0.057	<0.059					<0.065			
Mestranol				<0.19	<0.2					<0.22			
Ethyl methanesulfonate				<0.057	<0.059					<0.065			
Methyl methanesulfonate				<0.057	<0.059					<0.065			
2-Methylnaphthalene	8200	---		<0.057	<0.059					<0.065			
2-Methylphenol	100000	---		<0.057	<0.059					<0.065			
4-Methylphenol	200000	170000		<0.057	<0.059					<0.065			
Naphthalene	41000	270		<0.057	<0.059					<0.065			
1-Naphthylamine				<0.19	<0.2					<0.22			
2-Naphthylamine				<0.19	<0.2					<0.22			
5-Nitroacenaphthene				<0.057	<0.059					<0.065			
2-Nitroaniline	31000	28		<0.19	<0.2					<0.22			
3-Nitroaniline				<0.057	<0.059					<0.065			
4-Nitroaniline	8200	2400		<0.057	<0.059					<0.065			
Nitrobenzene	1000	140		<0.057	<0.059					<0.065			
4-Nitrobiphenyl				<0.19	<0.2					<0.22			
2-Nitrophenol				<0.19	<0.2					<0.22			
4-Nitrophenol	16000	---		<0.057	<0.059					<0.065			
N-Nitrosodi-n-butylamine				<0.057	<0.059					<0.065			
N-Nitrosodi-n-propylamine	0.8	---		<0.057	<0.059					<0.065			
N-Nitrosopiperidine				<0.057	<0.059					<0.065			
2,2'-Oxybis (1-chloropropane)				<0.057	<0.059					<0.065			
Pentachlorobenzene	6100	---		<0.057	<0.059					<0.065			
Pentachloronitrobenzene				<0.057	<0.059					<0.065			
Pentachlorophenol	24	---		<0.19	<0.2					<0.22			
Phenacetin				<0.19	<0.2					<0.22			
Phenanthrene	61000	---		0.23	<0.059					<0.065			
Phenol	610000	---		<0.057	<0.059					<0.065			
2-Picoline				<0.057	<0.059					<0.065			
Pronamide				<0.057	<0.059					<0.065			
Pyrene	61000	---		0.49	<0.059					<0.065			
Pyridine	2000	200000		<0.19	<0.2					<0.22			
Safrole				<0.057	<0.059					<0.065			
1,2,4,5-Tetrachlorobenzene				<0.057	<0.059					<0.065			
2,3,4,6-Tetrachlorophenol				<0.057	<0.059					<0.065			
1,2,4-Trichlorobenzene	20000	3200		<0.057	<0.059					<0.065			
2,4,5-Trichlorophenol	200000	---		<0.057	<0.059					<0.065			
2,4,6-Trichlorophenol	520	390		<0.057	<0.059					<0.065			

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0057	<0.0057					<0.0063			
alpha-BHC	0.9	1.5		<0.0023	<0.0023					<0.0025			
beta-BHC				<0.0057	<0.0057					<0.0063			
delta-BHC				<0.0057 O1	<0.0057					<0.0063			
gamma-BHC	4	---		<0.0057	<0.0057					<0.0063			
alpha-Chlordane	16	140		<0.0057	<0.0057					<0.0063			
gamma-Chlordane	16	140		<0.0057	<0.0057					<0.0063			
Dieldrin	0.4	2.2		0.0093	<0.0023					<0.0025			
p,p'-DDT	17	1500		<0.0057	<0.0057					<0.0063			
p,p'-DDD	24	---		<0.0057	<0.0057					<0.0063			
p,p'-DDE	17	---		0.0067	<0.0057					<0.0063			
Endosulfan I	12000	---		<0.0057	<0.0057					<0.0063			
Endosulfan II				<0.0057	<0.0057					<0.0063			

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099
Endosulfan sulfate				<0.0057	<0.0057					<0.0063			
Endrin	610	---		<0.0057	<0.0057					<0.0063			
Endrin aldehyde				<0.0057	<0.0057					<0.0063			
Endrin ketone				<0.0057	<0.0057					<0.0063			
Heptachlor	1	11		<0.0057	<0.0057					<0.0063			
Heptachlor epoxide	0.6	9.2		<0.0057	<0.0057					<0.0063			
Methoxychlor	10000	---		<0.0057	<0.0057					<0.0063			
Toxaphene	5.2	170		<0.11	<0.11					<0.13			
Aroclor 1016	1			<0.011	<0.011					<0.013			
Aroclor 1221	1			<0.011	<0.011					<0.013			
Aroclor 1232	1			<0.011	<0.011					<0.013			
Aroclor 1242	1			<0.011	<0.011					<0.013			
Aroclor 1248	1			<0.011	<0.011					<0.013			
Aroclor 1254	1			<0.011	<0.011					<0.013			
Aroclor 1260	1			<0.011	<0.011					<0.013			
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.3 I, Q	8.7 I, Q					8.8 I, Q			

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE Ingestion	E ACTION OBJECTIVE Inhalation											
	CONSTRUCTION WORKER		Lab Sample #	22I1080-06	23I0387-08	23I0387-09	22I1080-12	22I1080-13	22I1080-07	22I1080-09	22I1080-10	22I1080-11	22I1080-14
			Sample Name	SB08 9-10	SB-8E (6-8)	SB-8E (14-16)	SB09 4-7	SB09 9-12	SB10 1-3	SB10 6-7	SB10 9-11	SB11 4-7	SB11 9-12
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/26/2022	9/12/2023	9/12/2023	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	5:10 PM	3:00 PM	3:10 PM	6:15 PM	6:20 PM	5:25 PM	5:40 PM	5:50 PM	6:00 PM	6:10 PM
	Ingestion	Inhalation	% Solids	78.6	85.26316	81.81818	88.7338	84.9	86.44401	92.33068	79.25851	78.76371	87.01299
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		18000	20800	12500	11000	10800	10900	44600	15100	7600	12500
Antimony	82.00	---		3.44 B2	0.086	<0.010	58.7 B2	3.44 B2	3.22 B2	48.6 B2	4.36 B2	13.2 B2	2.62 B2
Arsenic	61.00	25000.00		6.20 B2	<0.010 B1, J7	<0.010 B1, J7	19.9	7.03 B2	16.6	13.3	15.1	12.0 B2	11.4 B2
Barium	14000.00	870000.00		104	2.13	0.621	228	35.1	74.5	763	45.1	137	49.4
Beryllium	410.00	44000.00		0.53	0.008	<0.001	1.01	<0.24	<0.23	62	<0.25	0.74	<0.23
Boron	41000.00	---		146 B1	173	61.5	92.1 B1	106 B1	17.8 B1	627 B1	222 B1	39.7 B1	21.0 B1
Cadmium	200.00	59000.00		4.29 B2	0.313 B2	<0.005 B2	24.4 B2	7.28 B2	4.41 B2	37.8 B2	14.6 B2	12.3 B2	4.89 B2
Calcium	---	---		6930	18900	68600	4660	30300	88000	37000	16500	12800	61400
Chromium	4100.00	690.00		23.9	<0.005	<0.005	135	19.5	17.7	192	24	25.4	19
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		8.27	27.3	9.64	8.41	10.3	9.11	84.8	8.47	8.12	10.6
Copper	8200.00	---		44.6	6300	20.2	16200	214	90.4	<21.7	87.2	3360	49.5
Cyanide (amenable)	4100.00	---											
Cyanide				0.196	0.100 V	<0.037 V	0.249	<0.035	<0.032	<0.031	<0.036	0.104	<0.032
Hardness													
Iron	---	---		15500	71100	18900	27400	19900	17800	167000	18700	26400	20000
Lead	700.00	---		17.1	20.2	0.013	5160	61.6	36.5	10800	51.6	1610	15.4
Magnesium	730000.00	---		4660	3770	34000	1730	21400	40800	9140	12300	5380	31700
Manganese	4100.00	8700.00		90.2	1200	418	983	284	513	4960	189	323	480
Mercury	61.00	0.10		0.13	0.35	0.01	1.75	0.02	0.04	0.03	0.02	0.12	0.01
Nickel	4100.00	440000.00		27	0.544	0.013	73.7	27.4	23.4	820	24.8	52.1	26.4
Potassium	---	---		2770	2560	4000	1040	2430	3370	3410	3630	981	3880
Selenium	1000.00	---		3.53 B2	0.059 J6, V	<0.025 J5	9.67 B2	4.63 B2	3.11 B2	22.8 B2	14.0 B2	14.9 B2	<2.30 B2
Silver	1000.00	---		<0.64	<0.003	0.004	9.52	<0.59	0.76	2.8	<0.62	1.59	<0.57
Sodium	---	---		5420	3080	1600	5900	2790	700	16400	5560	1420	412
Strontium	410000.00	---		50.1	94.9	42.5	77.1	42.9	53.6	175	33.2	46.3	48.3
Thallium	160.00	---		3.74 B2	<0.025 B1	<0.025 B1	<2.21 B2	2.65 B2	3.29 B2	25.2 B2	4.55 B2	<2.54 B2	2.35 B2
Vanadium	1400.00	---		27.1 B1	<0.005	<0.005	14.2 B1	22.2 B1	18.8 B1	28.5 B1	25.7 B1	11.1 B1	21.3 B1
Zinc	61000.00	---		114	247	0.157	35000	1450	236	122000	1690	9910	136
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0062	0.0056	<0.005	<0.0052	0.0054	<0.0045		<0.0051	<0.0057	<0.0043
Benzene	100	1.6		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Bromobenzene	16000	810		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Bromochloroethene													
Bromochloromethane				<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Bromodichloromethane	92	3000		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Bromoform	720	100		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Bromomethane	2900	15		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
2-Butanone (MEK)	1000000	25000		<0.0062	<0.0044	<0.005	<0.0052	<0.0048	<0.0045		<0.0051	<0.0057	<0.0043
Carbon Disulfide	200000	720		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Carbon tetrachloride	44	0.64		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Chlorobenzene	41000	210		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Chloroethane	---	1500		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Chloroform	940	0.54		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Chloromethane	---	170		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Dibromochloromethane	92	3000		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,2-Dibromoethane				<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Dibromomethane				<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1-Dichloroethane	200000	1700		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,2-Dichloroethane	63	0.7		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1-Dichloroethene				<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
cis-1,2-Dichloroethene	20000	1200		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
trans-1,2-Dichloroethene	41000	3100		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1-Dichloropropene				<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,2-Dichloropropane	84	23		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,3-Dichloropropane	41000	1000		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
2,2-Dichloropropane				<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
cis-1,3-Dichloropropene	57	2.1		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
trans-1,3-Dichloropropene	57	2.1		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Ethylbenzene	200000	400		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
2-Hexanone (MBK)	10000	720		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Methylene Chloride	760	24		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Methyl tert-butyl ether	20000	8800		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
4-Methyl-2pentanone (MIBK)	---	340		<0.0025	0.002	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Stryene	410000	1500		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Tetrachloroethene	110	20		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Trichlorofluoromethane	61000	1400		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Toluene	410000	650		<0.0025	0.0039	0.0026	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1,1-Trichloroethane	---	1200		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1,2-Trichloroethane	8200	1800		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,2,3-Trichloropropane	0.19	5		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1,1,2-Tetrachloroethane	61000	2100		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Trichloroethene	520	8.9		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Vinyl chloride	7.9	1.1		<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Xylenes, Total	410000	320		<0.0025	0.0032	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023	<0.0017
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---			0.14 J1	<0.057							
Acenaphthylene	61000	---			<0.054 J1	<0.057							
Acetophenone					<0.054	<0.057							
Anthracene	610000	---			0.27	<0.057							
Azobenzene					<0.054	<0.057							
Benzo(a)anthracene	8	---			0.68	<0.057							
Benzo(b)fluoranthene	8	---			1.1	<0.057							
Benzo(k)fluoranthene	78	---			0.32	<0.057							
Benzo(g,h,i)perylene	61000	---			0.33	<0.057							
Benzo(a)pyrene	0.8	---			0.58	<0.057							
Bis(2-chloroethyl)ether	5	0.47			<0.054	<0.057							

	E ACTION OBJECTIVE		Lab Sample #	22I1080-06	23I0387-08	23I0387-09	22I1080-12	22I1080-13	22I1080-07	22I1080-09	22I1080-10	22I1080-11	22I1080-14
			Sample Name	SB08 9-10	SB-8E (6-8)	SB-8E (14-16)	SB09 4-7	SB09 9-12	SB10 1-3	SB10 6-7	SB10 9-11	SB11 4-7	SB11 9-12
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	9/26/2022	9/12/2023	9/12/2023	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	5:10 PM	3:00 PM	3:10 PM	6:15 PM	6:20 PM	5:25 PM	5:40 PM	5:50 PM	6:00 PM	6:10 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	78.6	85.26316	81.81818	88.7338	84.9	86.44401	92.33068	79.25851	78.76371	87.01299
Bis(2-chloroethoxy)methane					<0.054	<0.057							
Bis(2-ethylhexyl)phthalate	410	31000			0.26	<0.19							
4-Bromophenyl phenyl ether					<0.054	<0.057							
Butyl benzyl phthalate	410000	930			<0.054	<0.057							
Carbazole	290	---			0.1	<0.057							
4-Chloro-3-methylphenol					<0.054	<0.057							
4-Chloroaniline	8200	---			<0.054	<0.057							
1-Chloronaphthalene					<0.054 J1	<0.057							
2-Chloronaphthalene	160000	---			<0.054 J1	<0.057							
2-Chlorophenol	10000	53000			<0.054	<0.057							
4-Chlorophenyl phenyl ether					<0.054 J1	<0.057							
Chrysene	780	---			1	<0.057							
1,2-Dichlorobenzene	180000	560			<0.054	<0.057							
1,3-Dichlorobenzene					<0.054	<0.057							
1,4-Dichlorobenzene	---	17000			<0.054	<0.057							
2,4-Dichlorophenol	6100	---			<0.054	<0.057							
Di-n-butyl phthalate	200000	2300			<0.18	<0.19							
Di-n-octyl phthalate	41000	10000			<0.18	<0.19							
1,2-Dinitrobenzene					<0.18 J1	<0.19							
1,3-Dinitrobenzene	200	---			<0.18 J1	<0.19							
1,4-Dinitrobenzene					<0.054 J1	<0.057							
2,6-Dinitrotoluene	8.4	---			<0.054 J1	<0.057							
2,4-Dinitrophenol	4100	---			<0.18 J1, O2	<0.19 O2							
2,4-Dinitrotoluene	8.4	---			<0.054 J1	<0.057							
Dibenz(a,h)anthracene	0.8	---			0.092	<0.057							
Dibenzofuran	2000	---			0.19 J1	<0.057							
3,3'-Dichlorobenzidine	13	---			<0.054	<0.057							
2,6-Dichlorophenol					<0.054	<0.057							
Diethyl phthalate	1000000	2000			<0.054 J1	<0.057							
Dimethyl phthalate	1000000	1300			<0.054 J1	<0.057							
p-Dimethylaminoazobenzene					<0.18	<0.19							
7,12-Dimethylbenzo(a)anthracene					<0.18	<0.19							
2,4-Dimethylphenol	41000	---			<0.054	<0.057							
4,6-Dinitro-2-methylphenol					<0.18	<0.19							
Diphenylamine	51000	---			<0.054	<0.057							
Fluoranthene	82000	---			1.6	<0.057							
Fluorene	82000	---			0.14 J1	<0.057							
Hexachlorobenzene					<0.054	<0.057							
Hexachlorobutadiene	2000				<0.054	<0.057							
Hexachlorocyclopentadiene					<0.18 J1	<0.19							
Hexachloroethane	2000	---			<0.054	<0.057							
Hexachloropropene					<0.054	<0.057							
Indeno(1,2,3-cd)pyrene	8	---			0.31	<0.19							
Isodrin					<0.054	<0.057							
Isophorone	410000	4600			<0.18	<0.19							
Isosafrole					<0.054	<0.057							
Mestranol					<0.18	<0.19							
Ethyl methanesulfonate					<0.054	<0.057							
Methyl methanesulfonate					<0.054	<0.057							
2-Methylnaphthalene	8200	---			0.37	<0.057							
2-Methylphenol	100000	---			<0.054	<0.057							
4-Methylphenol	200000	170000			<0.054	<0.057							
Naphthalene	41000	270			0.37	<0.057							
1-Naphthylamine					<0.18 J1	<0.19							
2-Naphthylamine					<0.18 J1	<0.19							
5-Nitroacenaphthene					<0.054	<0.057							
2-Nitroaniline	31000	28			<0.18 J1	<0.19							
3-Nitroaniline					<0.054 J1	<0.057							
4-Nitroaniline	8200	2400			<0.054 J1	<0.057							
Nitrobenzene	1000	140			<0.054	<0.057							
4-Nitrobiphenyl					<0.18	<0.19							
2-Nitrophenol					<0.18	<0.19							
4-Nitrophenol	16000	---			<0.054 J1	<0.057							
N-Nitrosodi-n-butylamine					<0.054	<0.057							
N-Nitrosodi-n-propylamine	0.8	---			<0.054	<0.057							
N-Nitrosopiperidine					<0.054	<0.057							
2,2'-Oxybis (1-chloropropane)					<0.054	<0.057							
Pentachlorobenzene	6100	---			<0.054 J1	<0.057							
Pentachloronitrobenzene					<0.054	<0.057							
Pentachlorophenol	24	---			<0.18	<0.19							
Phenacetin					<0.18	<0.19							
Phenanthrene	61000	---			1.5	<0.057							
Phenol	610000	---			0.2	<0.057							
2-Picoline					<0.054	<0.057							
Pronamide					<0.054	<0.057							
Pyrene	61000	---			1.7	<0.057							
Pyridine	2000	200000			<0.18	<0.19							
Safrole					<0.054 J1	<0.057							
1,2,4,5-Tetrachlorobenzene					<0.054 J1	<0.057							
2,3,4,6-Tetrachlorophenol					<0.054 J1	<0.057							
1,2,4-Trichlorobenzene	20000	3200			<0.054	<0.057							
2,4,5-Trichlorophenol	200000	---			<0.054 J1	<0.057							
2,4,6-Trichlorophenol	520	390			<0.054 J1	<0.057							

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6			<0.0056 J1	<0.006							
alpha-BHC	0.9	1.5			0.0033 J1	<0.0024							
beta-BHC					<0.0056 J1	<0.006							
delta-BHC					<0.0056 J1	<0.006							
gamma-BHC	4	---			<0.0056 J1	<0.006							
alpha-Chlordane	16	140			<0.0056 J1	<0.006							
gamma-Chlordane	16	140			<0.0056 J1	<0.006							
Dieldrin	0.4	2.2			0.0089 J1	<0.0024							
p,p'-DDT	17	1500			<0.0056 J1	<0.006							
p,p'-DDD	24	---			<0.0056 J1	<0.006							
p,p'-DDE	17	---			0.01 J1	<0.006							
Endosulfan I	12000	---			<0.0056 J1	<0.006							
Endosulfan II					<0.0056 J1	<0.006							

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371	22I1080-14 SB11 9-12 Soil 9/26/2022 6:10 PM 87.01299
Endosulfan sulfate					<0.0056 J1	<0.006							
Endrin	610	---			<0.0056 J1	<0.006							
Endrin aldehyde					<0.0056 J1	<0.006							
Endrin ketone					0.014 J1	<0.006							
Heptachlor	1	11			<0.0056 J1	<0.006							
Heptachlor epoxide	0.6	9.2			<0.0056 J1	<0.006							
Methoxychlor	10000	---			<0.0056 J1	<0.006							
Toxaphene	5.2	170			<0.11 J1	<0.12							
Aroclor 1016	1				<0.011 I, J1	<0.012							
Aroclor 1221	1				<0.011 I, J1	<0.012							
Aroclor 1232	1				<0.011 I, J1	<0.012							
Aroclor 1242	1				<0.011 I, J1	<0.012							
Aroclor 1248	1				<0.011 I, J1	<0.012							
Aroclor 1254	1				0.31 I, J1	<0.012							
Aroclor 1260	1				<0.011 I, J1	<0.012							
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12				10.2 I, Q	9.2 I, Q							

IEPA TACO TABLE

Site:
Project Number:

E ACTION OBJECTIVE			Lab Sample #	22I1136-01	22I1136-02	22I1136-03	22I1136-07	22I1136-11	22I1136-12	23I0387-02	23I0387-03	22I1136-08	22I1136-06
			Sample Name	SB12 9-11	SB12 8.5-10.5	SB13 6-9	SB13 9-11	SB14 3.5-5	SB14 8-10	SB-14E (3-5)	SB-14E (10-12)	SB15 1-4	SB15 5-6
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
CONSTRUCTION			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/12/2023	9/12/2023	9/27/2022	9/27/2022
WORKER			Time sampled	9:00 AM	9:15 AM	9:40 AM	9:55 AM	10:20 AM	10:30 AM	1:25 PM	1:40 PM	10:10 AM	9:50 AM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	91.97225	85.54337	94.86405	86.14158	84.77612	83.61303	88.6256	83.53294	86.54038	83.06613
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		36500	5990	39600	10600	12100	11200	43200	10000	8830	27400
Antimony	82.00	---		45.5 B2	3.25 B2	36.5 B2	3.84 B2	12.7 B2, I, J3	12.8 B2	0.135	<0.010	3.95 B2	34.2 B2
Arsenic	61.00	25000.00		18	6.25 B2	13.5	7.89 B2	14.8	12.7 B2	<0.010 B1, J7	<0.010 B1, J7	9.04 B2	22.8
Barium	14000.00	870000.00		713 I	17.8 I	654 I	47.1 I	179 J3	41.8	0.593	0.324	48.2 I	417 I
Beryllium	410.00	44000.00		66.1	<0.23	122	<0.23	2.95	<0.24	<0.001	<0.001	1.1	17.6
Boron	41000.00	---		980 B1, I	38.2 B1, I	5270 B1, I	33.5 B1, I	79.3 B1, J3	22.9 B1	1120	32.4	77.4 B1, I	1120 B1, I
Cadmium	200.00	59000.00		37.7 B2	3.26 B2	30.6 B2	8.10 B2	14.9 B2, J3	22.6 B2	1.57 B2	0.011 B2	3.93 B2	55.4 B2
Calcium	---	---		34200 I	45400 I	22900 I	62800 I	67100	41500	39600	92700	83500 I	27400 I
Chromium	4100.00	690.00		170	11.1	104	17.4	30.7	18.9	<0.005	<0.005	13.8	170
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		71	5.42	78.7	9.14	13.5 I, J3	9.67	76.1	8.63	7.9	31.6
Copper	8200.00	---		16700 I	42.4 I	14300 I	30.2 I	2180 J3	37.3	18900	24.6	298 I	8650 I
Cyanide (amenable)	4100.00	---											
Cyanide				<0.032	<0.032	<0.031	<0.036	0.048	0.041	<0.032 V	<0.035 V	<0.034	<0.036
Hardness													
Iron	---	---		138000 I	11200 I	142000 I	16600 I	34200	19500	179000	16200	14700 I	126000 I
Lead	700.00	---		8850	27.0 I	5660	12.1 I	2100	42	36.8	0.012	199 I	7970
Magnesium	730000.00	---		9110	27000	10000	29600	31400	26300	8450	23400	39700	6970
Manganese	4100.00	8700.00		4270 I	295 I	5690 I	456 I	739 I	458	4830	413	445 I	2780 I
Mercury	61.00	0.10		0.04	0.007	<0.005	0.01	0.13 J3	0.03 J3	0.03 J3	0.01	0.13	0.41
Nickel	4100.00	440000.00		683	15	712	22.1	72.0 I, J3	26.4	0.147	0.007	24.6	216
Potassium	---	---		3110	1710	2370	3180	1910	3190	3970	3210	2000	2700
Selenium	1000.00	---		24.9	25	34.1	<2.28	<2.36 B2, I	8.56 B2	0.099 J6, V	<0.025 J5	<2.31	23.6
Silver	1000.00	---		3.01	0.67	2.49	0.73	1.14	<0.60	<0.003	0.005	1.3	3.66
Sodium	---	---		18600	1530	41600	403	2070	494	20300	331	696	9780
Strontium	410000.00	---		160	18.3	119	41.7	72.3 J3	50.6	179	93.5	45.5	147
Thallium	160.00	---		13.7 B2	<2.34 B2	12.5 B2	<2.28 B2	<2.36 B2, J3	<2.39 B2	<0.025 B1	<0.025 B1	<2.31 B2	10.3 B2
Vanadium	1400.00	---		29.4 I	14.4 I	27.9 I	21.8 I	20.7 B1, I	23.4 B1	<0.005	<0.005	18.9 I	31.6 I
Zinc	61000.00	---		109000	642	135000	1660	17700 J3	33600	691	0.147	1840	68700
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0045	0.0095	<0.0043	<0.0044	0.0059	0.0064	0.0095	<0.0047	<0.0045	
Benzene	100	1.6		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Bromobenzene	16000	810		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Bromochloroethene													
Bromochloromethane				<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Bromodichloromethane	92	3000		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Bromoform	720	100		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Bromomethane	2900	15		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
2-Butanone (MEK)	1000000	25000		<0.0045	0.0053	<0.0043	<0.0044	<0.0048	<0.0046	<0.0045	<0.0047	<0.0045	
Carbon Disulfide	200000	720		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Carbon tetrachloride	44	0.64		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Chlorobenzene	41000	210		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Chloroethane	---	1500		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Chloroform	940	0.54		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Chloromethane	---	170		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Dibromochloromethane	92	3000		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,2-Dibromoethane				<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Dibromomethane				<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,1-Dichloroethane	200000	1700		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,2-Dichloroethane	63	0.7		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,1-Dichloroethene				<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
cis-1,2-Dichloroethene	20000	1200		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,1-Dichloropropene				<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,2-Dichloropropane	84	23		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,3-Dichloropropane	41000	1000		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
2,2-Dichloropropane				<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Ethylbenzene	200000	400		<0.0018	0.0073	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
2-Hexanone (MBK)	10000	720		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Methylene Chloride	760	24		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Stryene	410000	1500		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Tetrachloroethene	110	20		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Trichlorofluoromethane	61000	1400		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Toluene	410000	650		<0.0018	0.0078	<0.0017	<0.0018	<0.0019	<0.0019	0.0038	0.0025	<0.0018	
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	0.0032	<0.0019	<0.0018	
Trichloroethene	520	8.9		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Vinyl chloride	7.9	1.1		<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Xylenes, Total	410000	320		<0.0018	0.039	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018	
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---								<0.055	<0.059		
Acenaphthylene	61000	---								<0.055	<0.059		
Acetophenone										<0.055	<0.059		
Anthracene	610000	---								<0.055	<0.059		
Azobenzene										<0.055	<0.059		
Benzo(a)anthracene	8	---								<0.055	<0.059		
Benzo(b)fluoranthene	8	---								<0.055	<0.059		
Benzo(k)fluoranthene	78	---								<0.055	<0.059		
Benzo(g,h,i)perylene	61000	---								<0.055	<0.059		
Benzo(a)pyrene	0.8	---								0.16	<0.059		
Bis(2-chloroethyl)ether	5	0.47								<0.055	<0.059		

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-01 SB12 9-11 Soil 9/27/2022 9:00 AM 91.97225	22I1136-02 SB12 8.5-10.5 Soil 9/27/2022 9:15 AM 85.54337	22I1136-03 SB13 6-9 Soil 9/27/2022 9:40 AM 94.86405	22I1136-07 SB13 9-11 Soil 9/27/2022 9:55 AM 86.14158	22I1136-11 SB14 3.5-5 Soil 9/27/2022 10:20 AM 84.77612	22I1136-12 SB14 8-10 Soil 9/27/2022 10:30 AM 83.61303	23I0387-02 SB-14E (3-5) Soil 9/12/2023 1:25 PM 88.6256	23I0387-03 SB-14E (10-12) Soil 9/12/2023 1:40 PM 83.53294	22I1136-08 SB15 1-4 Soil 9/27/2022 10:10 AM 86.54038	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613
Bis(2-chloroethoxy)methane										<0.055	<0.059		
Bis(2-ethylhexyl)phthalate	410	31000								<0.19	<0.2		
4-Bromophenyl phenyl ether										<0.055	<0.059		
Butyl benzyl phthalate	410000	930								<0.055	<0.059		
Carbazole	290	---								<0.055	<0.059		
4-Chloro-3-methylphenol										<0.055	<0.059		
4-Chloroaniline	8200	---								<0.055	<0.059		
1-Chloronaphthalene										<0.055	<0.059		
2-Chloronaphthalene	160000	---								<0.055	<0.059		
2-Chlorophenol	10000	53000								<0.055	<0.059		
4-Chlorophenyl phenyl ether										<0.055	<0.059		
Chrysene	780	---								0.42	<0.059		
1,2-Dichlorobenzene	180000	560								<0.055	<0.059		
1,3-Dichlorobenzene										<0.055	<0.059		
1,4-Dichlorobenzene	---	17000								<0.055	<0.059		
2,4-Dichlorophenol	6100	---								<0.055	<0.059		
Di-n-butyl phthalate	200000	2300								<0.19	<0.2		
Di-n-octyl phthalate	41000	10000								<0.19	<0.2		
1,2-Dinitrobenzene										<0.19	<0.2		
1,3-Dinitrobenzene	200	---								<0.19	<0.2		
1,4-Dinitrobenzene										<0.055	<0.059		
2,6-Dinitrotoluene	8.4	---								<0.055	<0.059		
2,4-Dinitrophenol	4100	---								<0.19 O2	<0.2 O2		
2,4-Dinitrotoluene	8.4	---								<0.055	<0.059		
Dibenz(a,h)anthracene	0.8	---								<0.055	<0.059		
Dibenzofuran	2000	---								<0.055	<0.059		
3,3'-Dichlorobenzidine	13	---								<0.055	<0.059		
2,6-Dichlorophenol										<0.055	<0.059		
Diethyl phthalate	1000000	2000								<0.055	<0.059		
Dimethyl phthalate	1000000	1300								<0.055	<0.059		
p-Dimethylaminoazobenzene										<0.19	<0.2		
7,12-Dimethylbenzo(a)anthracene										<0.19	<0.2		
2,4-Dimethylphenol	41000	---								<0.055	<0.059		
4,6-Dinitro-2-methylphenol										<0.19	<0.2		
Diphenylamine	51000	---								<0.055	<0.059		
Fluoranthene	82000	---								0.19	<0.059		
Fluorene	82000	---								<0.055	<0.059		
Hexachlorobenzene										<0.055	<0.059		
Hexachlorobutadiene	2000									<0.055	<0.059		
Hexachlorocyclopentadiene										<0.19	<0.2		
Hexachloroethane	2000	---								<0.055	<0.059		
Hexachloropropene										<0.055	<0.059		
Indeno(1,2,3-cd)pyrene	8	---								<0.19	<0.2		
Isodrin										<0.055	<0.059		
Isophorone	410000	4600								<0.19	<0.2		
Isosafrole										<0.055	<0.059		
Mestranol										<0.19	<0.2		
Ethyl methanesulfonate										<0.055	<0.059		
Methyl methanesulfonate										<0.055	<0.059		
2-Methylnaphthalene	8200	---								0.071	<0.059		
2-Methylphenol	100000	---								<0.055	<0.059		
4-Methylphenol	200000	170000								<0.055	<0.059		
Naphthalene	41000	270								<0.055	<0.059		
1-Naphthylamine										<0.19	<0.2		
2-Naphthylamine										<0.19	<0.2		
5-Nitroacenaphthene										<0.055	<0.059		
2-Nitroaniline	31000	28								<0.19	<0.2		
3-Nitroaniline										<0.055	<0.059		
4-Nitroaniline	8200	2400								<0.055	<0.059		
Nitrobenzene	1000	140								<0.055	<0.059		
4-Nitrobiphenyl										<0.19	<0.2		
2-Nitrophenol										<0.19	<0.2		
4-Nitrophenol	16000	---								<0.055	<0.059		
N-Nitrosodi-n-butylamine										<0.055	<0.059		
N-Nitrosodi-n-propylamine	0.8	---								<0.055	<0.059		
N-Nitrosopiperidine										<0.055	<0.059		
2,2'-Oxybis (1-chloropropane)										<0.055	<0.059		
Pentachlorobenzene	6100	---								<0.055	<0.059		
Pentachloronitrobenzene										<0.055	<0.059		
Pentachlorophenol	24	---								<0.19	<0.2		
Phenacetin										<0.19	<0.2		
Phenanthrene	61000	---								0.23	<0.059		
Phenol	610000	---								<0.055	<0.059		
2-Picoline										<0.055	<0.059		
Pronamide										<0.055	<0.059		
Pyrene	61000	---								0.29	<0.059		
Pyridine	2000	200000								<0.19	<0.2		
Safrole										<0.055	<0.059		
1,2,4,5-Tetrachlorobenzene										<0.055	<0.059		
2,3,4,6-Tetrachlorophenol										<0.055	<0.059		
1,2,4-Trichlorobenzene	20000	3200								<0.055	<0.059		
2,4,5-Trichlorophenol	200000	---								<0.055	<0.059		
2,4,6-Trichlorophenol	520	390								<0.055	<0.059		

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6								<0.0053 J1	<0.0058		
alpha-BHC	0.9	1.5								<0.0021 J1	<0.0023		
beta-BHC										<0.0053 J1	<0.0058		
delta-BHC										<0.0053 J1	<0.0058		
gamma-BHC	4	---								<0.0053 J1	<0.0058		
alpha-Chlordane	16	140								<0.0053 J1	<0.0058		
gamma-Chlordane	16	140								<0.0053 J1	<0.0058		
Dieldrin	0.4	2.2								<0.0021 J1	<0.0023		
p,p'-DDT	17	1500								<0.0053 J1	<0.0058		
p,p'-DDD	24	---								<0.0053 J1	<0.0058		
p,p'-DDE	17	---								<0.0053 J1	<0.0058		
Endosulfan I	12000	---								<0.0053 J1	<0.0058		
Endosulfan II										<0.0053 J1	<0.0058		

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample #	22I1136-01	22I1136-02	22I1136-03	22I1136-07	22I1136-11	22I1136-12	23I0387-02	23I0387-03	22I1136-08	22I1136-06
			Sample Name	SB12 9-11	SB12 8.5-10.5	SB13 6-9	SB13 9-11	SB14 3.5-5	SB14 8-10	SB-14E (3-5)	SB-14E (10-12)	SB15 1-4	SB15 5-6
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/12/2023	9/12/2023	9/27/2022	9/27/2022
			Time sampled	9:00 AM	9:15 AM	9:40 AM	9:55 AM	10:20 AM	10:30 AM	1:25 PM	1:40 PM	10:10 AM	9:50 AM
			% Solids	91.97225	85.54337	94.86405	86.14158	84.77612	83.61303	88.6256	83.53294	86.54038	83.06613
Endosulfan sulfate										<0.0053 J1	<0.0058		
Endrin	610	---								<0.0053 J1	<0.0058		
Endrin aldehyde										<0.0053 J1	<0.0058		
Endrin ketone										0.0093 J1	<0.0058		
Heptachlor	1	11								<0.0053 J1	<0.0058		
Heptachlor epoxide	0.6	9.2								<0.0053 J1	<0.0058		
Methoxychlor	10000	---								<0.0053 J1	<0.0058		
Toxaphene	5.2	170								<0.11 J1	<0.12		
Aroclor 1016	1									<0.011 J1	<0.012		
Aroclor 1221	1									<0.011 J1	<0.012		
Aroclor 1232	1									<0.011 J1	<0.012		
Aroclor 1242	1									<0.011 J1	<0.012		
Aroclor 1248	1									<0.011 J1	<0.012		
Aroclor 1254	1									<0.011 J1	<0.012		
Aroclor 1260	1									<0.011 J1	<0.012		
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12									8.9 I, Q	8.2 I, Q		

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		10400	15600	12100	10400	16300	7900	11000	2900	10400	13700
Antimony	82.00	---		8.93 B2	0.084	<0.010	45.3 B2	5.75 B2	2.89 B2	3.52 B2	<2.21 B2	<2.49 B2	19.7 B2
Arsenic	61.00	25000.00		14.3	<0.010 B1, J7	<0.010 B1, J7	25.2	10.3 B2	9.22 B2	10.8 B2	4.29 B2	5.80 B2	18.3
Barium	14000.00	870000.00		60.6 I	1.25	0.816	129	86.5	49.8	44.4	14	35.6	246
Beryllium	410.00	44000.00		<0.24	0.006	<0.001	5.11	<0.26	<0.23	0.4	<0.22	<0.25	31.7
Boron	41000.00	---		19.3 B1, I	519	30	286 B1	15.6 B1	27.9 B1	33.8 B1	7.75 B1	14.9 B1	1420 B1
Cadmium	200.00	59000.00		11.1 B2	1.84 B2	<0.005 B2	117 B2	9.70 B2	4.01 B2	3.65 B2	2.62 B2	4.49 B2	23.8 B2
Calcium	---	---		54300 I	57200	77800	38000	8290	78900	60100	50700	69500	15000
Chromium	4100.00	690.00		16.7	<0.005	<0.005	29.1	24.7	13.1	14.5	5.82	17	36.8
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		16.8	16	12.1	22.4	8.77	8.27	7.68	3.7	10.1	31.1
Copper	8200.00	---		40.2 I	10900	36.2	1250	38.5	69.6	110	130	18.7	4930
Cyanide (amenable)	4100.00	---											
Cyanide				<0.036	0.038 V	<0.034 V	0.166	0.172	<0.032 V	<0.034 V		<0.036 V	
Hardness													
Iron	---	---		20000 I	49700	17900	21600	17400	15100	15400	7940	18600	48700
Lead	700.00	---		19.6 I	11.3	0.019	2440	83	188	65	64.8	9.16	3460
Magnesium	730000.00	---		33700	24400	37600	13400	8450	35900	27100	22800	35500	6190
Manganese	4100.00	8700.00		765 I	912	483	1100	244	485	458	308	543	1700
Mercury	61.00	0.10		0.01	0.17	0.02	0.05	0.03	0.03	0.13	0.03	0.01	0.15
Nickel	4100.00	440000.00		25.7	0.248	0.101	55.3	27.7	27.1	22	9.06	24.7	221
Potassium	---	---		2990	2150	4220	1010	2570	2160	2410	822	3290	978
Selenium	1000.00	---		5.79	0.053 J6	<0.025 J5	3.03 B2	<2.59 B2	<2.28 B2	3.46 B2	<2.21 B2	3.73 B2	10.1 B2
Silver	1000.00	---		0.78	<0.003	0.005	1.73	<0.65	<0.57	<0.55	0.65	<0.62	3.13
Sodium	---	---		264	4310	277	1770	286	843	1030	237	296	9140
Strontium	410000.00	---		26.8	73.6	51.7	127	22.8	40.3	39	27.2	48.2	78.7
Thallium	160.00	---		<2.38 B2	<0.025 B1	<0.025 B1	<2.42 B2	<2.59 B2	<2.28 B2	<2.20 B2	<2.21 B2	<2.49 B2	<2.18 B2
Vanadium	1400.00	---		20.7 I	<0.005	<0.005	20.3 B1	27.2 B1	18.9	23.8	10.1	18.9	25.1
Zinc	61000.00	---		16100	376	0.588	34500	2780	575	686	807	146	48900
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		0.0073	0.024	<0.0042		0.007	0.013	<0.0043		0.0057	
Benzene	100	1.6		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Bromobenzene	16000	810		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Bromochloroethene													
Bromochloromethane				<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Bromodichloromethane	92	3000		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Bromoform	720	100		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Bromomethane	2900	15		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019 J3	<0.0017		<0.002	
2-Butanone (MEK)	1000000	25000		<0.0046	<0.0056	<0.0042		<0.0052	<0.0047	<0.0043		<0.0049	
Carbon Disulfide	200000	720		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Carbon tetrachloride	44	0.64		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Chlorobenzene	41000	210		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Chloroethane	---	1500		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Chloroform	940	0.54		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Chloromethane	---	170		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Dibromochloromethane	92	3000		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,2-Dibromoethane				<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Dibromomethane				<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,1-Dichloroethane	200000	1700		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,2-Dichloroethane	63	0.7		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,1-Dichloroethene				<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
cis-1,2-Dichloroethene	20000	1200		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,1-Dichloropropene				<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,2-Dichloropropane	84	23		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,3-Dichloropropane	41000	1000		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
2,2-Dichloropropane				<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Ethylbenzene	200000	400		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
2-Hexanone (MBK)	10000	720		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Methylene Chloride	760	24		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Stryene	410000	1500		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Tetrachloroethene	110	20		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Trichlorofluoromethane	61000	1400		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Toluene	410000	650		<0.0018	0.0039	0.0024		<0.0021	<0.0019	<0.0017		<0.002	
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019 J3	<0.0017		<0.002	
Trichloroethene	520	8.9		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019 J3	<0.0017		<0.002	
Vinyl chloride	7.9	1.1		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Xylenes, Total	410000	320		<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002	
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---			0.98	<0.054							
Acenaphthylene	61000	---			<0.055	<0.054							
Acetophenone					<0.055	<0.054							
Anthracene	610000	---			1.6	<0.054							
Azobenzene					<0.055	<0.054							
Benzo(a)anthracene	8	---			1.2	<0.054							
Benzo(b)fluoranthene	8	---			0.45	<0.054							
Benzo(k)fluoranthene	78	---			0.13	<0.054							
Benzo(g,h,i)perylene	61000	---			0.5	<0.054							
Benzo(a)pyrene	0.8	---			0.71	<0.054							
Bis(2-chloroethyl)ether	5	0.47			<0.055	<0.054							

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976
Bis(2-chloroethoxy)methane					<0.055	<0.054							
Bis(2-ethylhexyl)phthalate	410	31000			<0.19	<0.18							
4-Bromophenyl phenyl ether					<0.055	<0.054							
Butyl benzyl phthalate	410000	930			<0.055	<0.054							
Carbazole	290	---			<0.055	<0.054							
4-Chloro-3-methylphenol					<0.055	<0.054							
4-Chloroaniline	8200	---			<0.055	<0.054							
1-Chloronaphthalene					<0.055	<0.054							
2-Chloronaphthalene	160000	---			<0.055	<0.054							
2-Chlorophenol	10000	53000			<0.055	<0.054							
4-Chlorophenyl phenyl ether					<0.055	<0.054							
Chrysene	780	---			1.8	<0.054							
1,2-Dichlorobenzene	180000	560			<0.055	<0.054							
1,3-Dichlorobenzene					<0.055	<0.054							
1,4-Dichlorobenzene	---	17000			<0.055	<0.054							
2,4-Dichlorophenol	6100	---			<0.055	<0.054							
Di-n-butyl phthalate	200000	2300			<0.19	<0.18							
Di-n-octyl phthalate	41000	10000			<0.19	<0.18							
1,2-Dinitrobenzene					<0.19	<0.18							
1,3-Dinitrobenzene	200	---			<0.19	<0.18							
1,4-Dinitrobenzene					<0.055	<0.054							
2,6-Dinitrotoluene	8.4	---			<0.055	<0.054							
2,4-Dinitrophenol	4100	---			<0.19	<0.18 O2							
2,4-Dinitrotoluene	8.4	---			<0.055	<0.054							
Dibenz(a,h)anthracene	0.8	---			<0.055	<0.054							
Dibenzofuran	2000	---			<0.055	<0.054							
3,3'-Dichlorobenzidine	13	---			<0.055	<0.054							
2,6-Dichlorophenol					<0.055	<0.054							
Diethyl phthalate	1000000	2000			<0.055	<0.054							
Dimethyl phthalate	1000000	1300			<0.055	<0.054							
p-Dimethylaminoazobenzene					<0.19	<0.18							
7,12-Dimethylbenzo(a)anthracene					<0.19	<0.18							
2,4-Dimethylphenol	41000	---			<0.055	<0.054							
4,6-Dinitro-2-methylphenol					<0.19	<0.18							
Diphenylamine	51000	---			<0.055	<0.054							
Fluoranthene	82000	---			0.65	<0.054							
Fluorene	82000	---			0.21	<0.054							
Hexachlorobenzene					<0.055	<0.054							
Hexachlorobutadiene	2000				<0.055	<0.054							
Hexachlorocyclopentadiene					<0.19	<0.18							
Hexachloroethane	2000	---			<0.055	<0.054							
Hexachloropropene					<0.055	<0.054							
Indeno(1,2,3-cd)pyrene	8	---			0.23	<0.18							
Isodrin					<0.055	<0.054							
Isophorone	410000	4600			<0.19	<0.18							
Isosafrole					<0.055	<0.054							
Mestranol					<0.19	<0.18							
Ethyl methanesulfonate					<0.055	<0.054							
Methyl methanesulfonate					<0.055	<0.054							
2-Methylnaphthalene	8200	---			1.1	<0.054							
2-Methylphenol	100000	---			<0.055	<0.054							
4-Methylphenol	200000	170000			<0.055	<0.054							
Naphthalene	41000	270			0.39	<0.054							
1-Naphthylamine					<0.19	<0.18							
2-Naphthylamine					<0.19	<0.18							
5-Nitroacenaphthene					<0.055	<0.054							
2-Nitroaniline	31000	28			<0.19	<0.18							
3-Nitroaniline					<0.055	<0.054							
4-Nitroaniline	8200	2400			<0.055	<0.054							
Nitrobenzene	1000	140			<0.055	<0.054							
4-Nitrobiphenyl					<0.19	<0.18							
2-Nitrophenol					<0.19	<0.18							
4-Nitrophenol	16000	---			<0.055	<0.054							
N-Nitrosodi-n-butylamine					<0.055	<0.054							
N-Nitrosodi-n-propylamine	0.8	---			<0.055	<0.054							
N-Nitrosopiperidine					<0.055	<0.054							
2,2'-Oxybis (1-chloropropane)					<0.055	<0.054							
Pentachlorobenzene	6100	---			<0.055	<0.054							
Pentachloronitrobenzene					<0.055	<0.054							
Pentachlorophenol	24	---			<0.19	<0.18							
Phenacetin					<0.19	<0.18							
Phenanthrene	61000	---			1.4	<0.054							
Phenol	610000	---			<0.055	<0.054							
2-Picoline					<0.055	<0.054							
Pronamide					<0.055	<0.054							
Pyrene	61000	---			2.8	<0.054							
Pyridine	2000	200000			<0.19	<0.18							
Safrole					<0.055	<0.054							
1,2,4,5-Tetrachlorobenzene					<0.055	<0.054							
2,3,4,6-Tetrachlorophenol					<0.055	<0.054							
1,2,4-Trichlorobenzene	20000	3200			<0.055	<0.054							
2,4,5-Trichlorophenol	200000	---			<0.055	<0.054							
2,4,6-Trichlorophenol	520	390			<0.055	<0.054							

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6			<0.0058	<0.0053							
alpha-BHC	0.9	1.5			<0.0023	<0.0021							
beta-BHC					<0.0058	<0.0053							
delta-BHC					0.025 O1	<0.0053							
gamma-BHC	4	---			<0.0058	<0.0053							
alpha-Chlordane	16	140			<0.0058	<0.0053							
gamma-Chlordane	16	140			<0.0058	<0.0053							
Dieldrin	0.4	2.2			<0.0023	<0.0021							
p,p'-DDT	17	1500			<0.0058	<0.0053							
p,p'-DDD	24	---			<0.0058	<0.0053							
p,p'-DDE	17	---			<0.0058	<0.0053							
Endosulfan I	12000	---			<0.0058	<0.0053							
Endosulfan II					<0.0058	<0.0053							

CHEMICAL NAME	E ACTION OBJECTIV		Lab Sample #	22I1136-10	23I0395-09	23I0387-01	22I1136-13	22I1136-14	22I1132-01	22I1132-04	22I1132-03	22I1132-02	22I1132-07
			Sample Name	SB15 9-12	SB-15E (6-8)	SB-15E (14-16)	SB16 4-6	SB16 9-12	SB17 5-7	SB18 0-4	SB18 6-7	SB18 10-12	SB19 5.5-7
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	9/27/2022	9/12/2023	9/12/2023	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	10:00 AM	12:05 PM	12:40 PM	10:40 AM	10:45 AM	11:10 AM	11:45 AM	11:40 AM	11:30 AM	11:50 AM
	Ingestion	Inhalation	% Solids	84.04786	85.79881	86.86964	82.58707	77.33598	87.67535	89.25373	87.09037	80.30888	89.87976
Endosulfan sulfate					<0.0058	<0.0053							
Endrin	610	---			<0.0058	<0.0053							
Endrin aldehyde					<0.0058	<0.0053							
Endrin ketone					0.017	<0.0053							
Heptachlor	1	11			<0.0058	<0.0053							
Heptachlor epoxide	0.6	9.2			<0.0058	<0.0053							
Methoxychlor	10000	---			<0.0058	<0.0053							
Toxaphene	5.2	170			<0.12	<0.11							
Aroclor 1016	1				<0.012	<0.011							
Aroclor 1221	1				<0.012	<0.011							
Aroclor 1232	1				<0.012	<0.011							
Aroclor 1242	1				<0.012	<0.011							
Aroclor 1248	1				<0.012	<0.011							
Aroclor 1254	1				<0.012	<0.011							
Aroclor 1260	1				<0.012	<0.011							
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12				9.2 I, Q	8.6 I, Q							

IEPA TACO TABLE

Site:
Project Number:

	E ACTION OBJECTIVE		Lab Sample #	22I1132-08	22I1132-10	22I1132-12	22I1132-09	22I1132-11	23I0451-06	23I0451-07	23I0451-08	22I1132-14	22I1132-15
			Sample Name	SB19 8-10	SB20 6-10	SB20 10-12	SB21 4.5-6.5	SB21 10-12	SB-21E (1-3)	SB-21E (1-3) D	SB-21E (10-12)	SB22 4-6	SB22 10-12
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION		Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/13/2023	9/13/2023	9/13/2023	9/27/2022	9/27/2022
	WORKER		Time sampled	12:00 PM	12:20 PM	12:30 PM	12:20 PM	12:30 PM	9:30 AM	9:30 AM	9:55 AM	1:20 PM	1:30 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	77.8335	89.67229	82.68269	88.31683	78.29534	87.53568	88.33182	82.5188	73.20717	83.89662
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		14100	25000	12100	44200	6980	12600	13100	11100	12500	14600
Antimony	82.00	---		3.87 B2	30.4 B2	2.84 B2	35.9 B2	<2.61 B2	<0.010	<0.010	<0.010	68.5 B2	3.72 B2
Arsenic	61.00	25000.00		11.3 B2	15.1	5.98 B2	19.8	19.9	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	35.5	10.9 B2
Barium	14000.00	870000.00		47.7	2300	41.4	868	21.1	0.463	0.462	0.27	220	42
Beryllium	410.00	44000.00		<0.26	<0.23	<0.25	<0.23	<0.26	<0.001	<0.001	<0.001	0.81	<0.24
Boron	41000.00	---		35.8 B1	87.7 B1	16.1 B1	73.8 B1	15.5 B1	23.3	28.1	23.1	38.1 B1	24.8 B1
Cadmium	200.00	59000.00		6.35 B2	21.8 B2	3.69 B2	36.0 B2	6.16 B2	0.003 B2	0.003 B2	0.049 B2	34.9 B2	4.61 B2
Calcium	---	---		61200	35400	57500	40300	46500	77100	86300	70600	10100	74900
Chromium	4100.00	690.00		22.6	38.8	18.9	36.4	12.2	<0.005	<0.005	<0.005	31.2	22.2
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		10.8	15.4	7.94	20.3	7.27	9.12	9.47	9.11	11.9	10.1
Copper	8200.00	---		27.5	5840	19.9	9290	31.5	37.9	274 J3	20	11900	32.2
Cyanide (amenable)	4100.00	---											
Cyanide				<0.033 V	<0.033 V	<0.034 V	0.038 V	<0.036 V	<0.035	<0.030	<0.034	0.402 V	<0.035 V
Hardness													
Iron	---	---		19700	115000	15900	192000	18700	18700	28800	15300	41600	19800
Lead	700.00	---		12.9	7270	10.1	8970	23.8	0.015	<0.010	<0.010	6250	15.2
Magnesium	730000.00	---		37400	10300	34100	8020	27500	34100	37100	34700	3270	35700
Manganese	4100.00	8700.00		855	1230	456	1980	342	465	623 J3	457	662	457
Mercury	61.00	0.10		0.01	0.1	0.01	0.05	0.02	0.03	0.03	0.02	1.81	0.01
Nickel	4100.00	440000.00		28.9	58.7	21.5	63	20.1	0.008	0.009	0.007	123	27.3
Potassium	---	---		4320	3120	3780	5690	2450	3320	3170	3800	1480	4770
Selenium	1000.00	---		4.51 B2	9.97 B2	<2.47 B2	14.0 B2	2.92 B2	0.032 J6	0.034 J6	<0.025 J5	8.70 B2	3.86 B2
Silver	1000.00	---		<0.66	<0.57	<0.62	0.84	<0.65	<0.012	<0.012	<0.012	4.38	<0.60
Sodium	---	---		370	2450	<247	14800	308	<228	539	467	869	363
Strontium	410000.00	---		51.1	129	56.2	211	26.6	46.2	58	44.6	69.4	48.7
Thallium	160.00	---		<2.62 B2	12.1 B2	<2.47 B2	15.3 B2	<2.61 B2	<0.025 B1	<0.025 B1	<0.025 B1	<2.73 B2	<2.38 B2
Vanadium	1400.00	---		24.9	35.9	22.7	49.7	18.2	<0.005 B1	<0.005 B1	<0.005 B1	21.5	26.3
Zinc	61000.00	---		381	32300	57.6	64800	638	0.03	<0.025	1.37	22700	75.9
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0052	0.0047	<0.0057	0.015	<0.0051	<0.0046	<0.0045	0.013	<0.0078	<0.0047
Benzene	100	1.6		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Bromobenzene	16000	810		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Bromochloroethene													
Bromochloromethane				<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Bromodichloromethane	92	3000		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Bromoform	720	100		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Bromomethane	2900	15		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
2-Butanone (MEK)	1000000	25000		<0.0052	<0.0045	<0.0057	<0.0055	<0.0051	<0.0046	<0.0045	<0.0089	<0.0078	<0.0047
Carbon Disulfide	200000	720		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Carbon tetrachloride	44	0.64		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Chlorobenzene	41000	210		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Chloroethane	---	1500		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Chloroform	940	0.54		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Chloromethane	---	170		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Dibromochloromethane	92	3000		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,2-Dibromoethane				<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Dibromomethane				<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1-Dichloroethane	200000	1700		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,2-Dichloroethane	63	0.7		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1-Dichloroethene				<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
cis-1,2-Dichloroethene	20000	1200		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
trans-1,2-Dichloroethene	41000	3100		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1-Dichloropropene				<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,2-Dichloropropane	84	23		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,3-Dichloropropane	41000	1000		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
2,2-Dichloropropane				<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
cis-1,3-Dichloropropene	57	2.1		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
trans-1,3-Dichloropropene	57	2.1		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Ethylbenzene	200000	400		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
2-Hexanone (MBK)	10000	720		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Methylene Chloride	760	24		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Methyl tert-butyl ether	20000	8800		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
4-Methyl-2pentanone (MIBK)	---	340		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Stryene	410000	1500		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Tetrachloroethene	110	20		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Trichlorofluoromethane	61000	1400		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Toluene	410000	650		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1,1-Trichloroethane	---	1200		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1,2-Trichloroethane	8200	1800		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,2,3-Trichloropropane	0.19	5		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Trichloroethene	520	8.9		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Vinyl chloride	7.9	1.1		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Xylenes, Total	410000	320		<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031	<0.0019
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---							<0.055	<0.055	<0.057		
Acenaphthylene	61000	---							<0.055	<0.055	<0.057		
Acetophenone									<0.055	<0.055	<0.057		
Anthracene	610000	---							<0.055	<0.055	<0.057		
Azobenzene									<0.055	<0.055	<0.057		
Benzo(a)anthracene	8	---							0.083	0.16	<0.057		
Benzo(b)fluoranthene	8	---							0.18	0.25	<0.057		
Benzo(k)fluoranthene	78	---							0.073	0.096	<0.057		
Benzo(g,h,i)perylene	61000	---							0.076	0.13	<0.057		
Benzo(a)pyrene	0.8	---							0.11	0.18	<0.057		
Bis(2-chloroethyl)ether	5	0.47							<0.055	<0.055	<0.057		

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717	22I1132-15 SB22 10-12 Soil 9/27/2022 1:30 PM 83.89662
Bis(2-chloroethoxy)methane									<0.055	<0.055	<0.057		
Bis(2-ethylhexyl)phthalate	410	31000							<0.19	<0.19	<0.19		
4-Bromophenyl phenyl ether									<0.055	<0.055	<0.057		
Butyl benzyl phthalate	410000	930							<0.055	<0.055	<0.057		
Carbazole	290	---							<0.055	<0.055	<0.057		
4-Chloro-3-methylphenol									<0.055	<0.055	<0.057		
4-Chloroaniline	8200	---							<0.055	<0.055	<0.057		
1-Chloronaphthalene									<0.055	<0.055	<0.057		
2-Chloronaphthalene	160000	---							<0.055	<0.055	<0.057		
2-Chlorophenol	10000	53000							<0.055	<0.055	<0.057		
4-Chlorophenyl phenyl ether									<0.055	<0.055	<0.057		
Chrysene	780	---							0.11	0.2	<0.057		
1,2-Dichlorobenzene	180000	560							<0.055	<0.055	<0.057		
1,3-Dichlorobenzene									<0.055	<0.055	<0.057		
1,4-Dichlorobenzene	---	17000							<0.055	<0.055	<0.057		
2,4-Dichlorophenol	6100	---							<0.055	<0.055	<0.057		
Di-n-butyl phthalate	200000	2300							<0.19	<0.19	<0.19		
Di-n-octyl phthalate	41000	10000							<0.19	<0.19	<0.19		
1,2-Dinitrobenzene									<0.19	<0.19	<0.19		
1,3-Dinitrobenzene	200	---							<0.19	<0.19	<0.19		
1,4-Dinitrobenzene									<0.055	<0.055	<0.057		
2,6-Dinitrotoluene	8.4	---							<0.055	<0.055	<0.057		
2,4-Dinitrophenol	4100	---							<0.19	<0.19	<0.19		
2,4-Dinitrotoluene	8.4	---							<0.055	<0.055	<0.057		
Dibenz(a,h)anthracene	0.8	---							<0.055	<0.055	<0.057		
Dibenzofuran	2000	---							<0.055	<0.055	<0.057		
3,3'-Dichlorobenzidine	13	---							<0.055	<0.055	<0.057		
2,6-Dichlorophenol									<0.055	<0.055	<0.057		
Diethyl phthalate	1000000	2000							<0.055	<0.055	<0.057		
Dimethyl phthalate	1000000	1300							<0.055	<0.055	<0.057		
p-Dimethylaminoazobenzene									<0.19	<0.19	<0.19		
7,12-Dimethylbenzo(a)anthracene									<0.19	<0.19	<0.19		
2,4-Dimethylphenol	41000	---							<0.055	<0.055	<0.057		
4,6-Dinitro-2-methylphenol									<0.19	<0.19	<0.19		
Diphenylamine	51000	---							<0.055	<0.055	<0.057		
Fluoranthene	82000	---							0.2	0.42	<0.057		
Fluorene	82000	---							<0.055	<0.055	<0.057		
Hexachlorobenzene									<0.055	<0.055	<0.057		
Hexachlorobutadiene	2000								<0.055	<0.055	<0.057		
Hexachlorocyclopentadiene									<0.19	<0.19	<0.19		
Hexachloroethane	2000	---							<0.055	<0.055	<0.057		
Hexachloropropene									<0.055	<0.055	<0.057		
Indeno(1,2,3-cd)pyrene	8	---							<0.19	<0.19	<0.19		
Isodrin									<0.055	<0.055	<0.057		
Isophorone	410000	4600							<0.19	<0.19	<0.19		
Isosafrole									<0.055	<0.055	<0.057		
Mestranol									<0.19	<0.19	<0.19		
Ethyl methanesulfonate									<0.055	<0.055	<0.057		
Methyl methanesulfonate									<0.055	<0.055	<0.057		
2-Methylnaphthalene	8200	---							<0.055	<0.055	<0.057		
2-Methylphenol	100000	---							<0.055	<0.055	<0.057		
4-Methylphenol	200000	170000							<0.055	<0.055	<0.057		
Naphthalene	41000	270							<0.055	<0.055	<0.057		
1-Naphthylamine									<0.19	<0.19	<0.19		
2-Naphthylamine									<0.19	<0.19	<0.19		
5-Nitroacenaphthene									<0.055	<0.055	<0.057		
2-Nitroaniline	31000	28							<0.19	<0.19	<0.19		
3-Nitroaniline									<0.055	<0.055	<0.057		
4-Nitroaniline	8200	2400							<0.055	<0.055	<0.057		
Nitrobenzene	1000	140							<0.055	<0.055	<0.057		
4-Nitrobiphenyl									<0.19	<0.19	<0.19		
2-Nitrophenol									<0.19	<0.19	<0.19		
4-Nitrophenol	16000	---							<0.055	<0.055	<0.057		
N-Nitrosodi-n-butylamine									<0.055	<0.055	<0.057		
N-Nitrosodi-n-propylamine	0.8	---							<0.055	<0.055	<0.057		
N-Nitrosopiperidine									<0.055	<0.055	<0.057		
2,2'-Oxybis (1-chloropropane)									<0.055	<0.055	<0.057		
Pentachlorobenzene	6100	---							<0.055	<0.055	<0.057		
Pentachloronitrobenzene									<0.055	<0.055	<0.057		
Pentachlorophenol	24	---							<0.19	<0.19	<0.19		
Phenacetin									<0.19	<0.19	<0.19		
Phenanthrene	61000	---							<0.055	0.21	<0.057		
Phenol	610000	---							<0.055	<0.055	<0.057		
2-Picoline									<0.055	<0.055	<0.057		
Pronamide									<0.055	<0.055	<0.057		
Pyrene	61000	---							0.21	0.35	<0.057		
Pyridine	2000	200000							<0.19	<0.19	<0.19		
Safrole									<0.055	<0.055	<0.057		
1,2,4,5-Tetrachlorobenzene									<0.055	<0.055	<0.057		
2,3,4,6-Tetrachlorophenol									<0.055	<0.055	<0.057		
1,2,4-Trichlorobenzene	20000	3200							<0.055	<0.055	<0.057		
2,4,5-Trichlorophenol	200000	---							<0.055	<0.055	<0.057		
2,4,6-Trichlorophenol	520	390							<0.055	<0.055	<0.057		

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6							<0.0056	<0.0055	<0.0059		
alpha-BHC	0.9	1.5							<0.0022	<0.0022	<0.0023		
beta-BHC									<0.0056	<0.0055	<0.0059		
delta-BHC									<0.0056 Q1	<0.0055	<0.0059		
gamma-BHC	4	---							<0.0056	<0.0055	<0.0059		
alpha-Chlordane	16	140							<0.0056	<0.0055	<0.0059		
gamma-Chlordane	16	140							<0.0056	<0.0055	<0.0059		
Dieldrin	0.4	2.2							<0.0022	<0.0022	<0.0023		
p,p'-DDT	17	1500							<0.0056	0.006	<0.0059		
p,p'-DDD	24	---							<0.0056	<0.0055	<0.0059		
p,p'-DDE	17	---							<0.0056	<0.0055	<0.0059		
Endosulfan I	12000	---							<0.0056	<0.0055	<0.0059		
Endosulfan II									<0.0056	<0.0055	<0.0059		

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717	22I1132-15 SB22 10-12 Soil 9/27/2022 1:30 PM 83.89662
Endosulfan sulfate									<0.0056	<0.0055	<0.0059		
Endrin	610	---							<0.0056	<0.0055	<0.0059		
Endrin aldehyde									<0.0056	<0.0055	<0.0059		
Endrin ketone									<0.0056	<0.0055	<0.0059		
Heptachlor	1	11							<0.0056	<0.0055	<0.0059		
Heptachlor epoxide	0.6	9.2							<0.0056	<0.0055	<0.0059		
Methoxychlor	10000	---							<0.0056	<0.0055	<0.0059		
Toxaphene	5.2	170							<0.11	<0.11	<0.12		
Aroclor 1016	1								<0.011	<0.011	<0.012		
Aroclor 1221	1								<0.011	<0.011	<0.012		
Aroclor 1232	1								<0.011	<0.011	<0.012		
Aroclor 1242	1								<0.011	<0.011	<0.012		
Aroclor 1248	1								<0.011	<0.011	<0.012		
Aroclor 1254	1								<0.011	0.02	<0.012		
Aroclor 1260	1								<0.011	<0.011	<0.012		
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12								8.5 I, Q	8.6 I, Q	8.4 I, Q		

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample #	22I1132-16	22I1132-17	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08	22I1134-09	22I1134-10	22I1134-13
				Sample Name	SB23 4-7	SB23 8-10	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10	SB26 2-4	SB26 14-16	SB27 4.5-7
				Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
				Time sampled	2:00 PM	2:10 PM	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM	3:50 PM	4:00 PM	4:35 PM
				% Solids	81.28713	78.53561	91.2785	64.43349	79.90099	85.84248	74.72417	83.15271	86.09732	88.59127
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			5840	11900	9240	125000	16400	10700	12100	19200	4630	5280
Antimony	82.00	---			19.2 B2	<2.60 B2	3.48 B2	85.7 B2	3.99 B2, J3	20.9 B2	4.62 B2	5.18 B2	<2.28 B2	9.18 B2
Arsenic	61.00	25000.00			42.1	8.87 B2	9.44 B2	64.3	4.91 B2	17.7 B2	6.69 B2	11.5 B2	6.69 B2	12.3 B2
Barium	14000.00	870000.00			102	37.4	37.1 I	160 I	59.4 I	107 I	33.5 I	110 I	19.4 I	74.0 I
Beryllium	410.00	44000.00			1.33	<0.26	<0.22	0.48	<0.25	1.35	<0.26	<0.24	<0.23	1.05
Boron	41000.00	---			39.5 B1	13.5 B1	17.8 B1, I	159 B1, I	27.2 B1, I	44.3 B1, I	16.1 B1, I	13.4 B1, I	9.68 B1, I	73.9 B1, I
Cadmium	200.00	59000.00			87.6 B2	4.14 B2	3.44 B2	47.5 B2	3.48 B2	15.0 B2	8.48 B2	5.03 B2	2.63 B2	9.15 B2
Calcium	---	---			5120	2660	61800 I	23700 I	7220 I, J3	54600 I	36100 I	17100 I	84700 I	82800 I
Chromium	4100.00	690.00			9.99	21.9	15	107	25.8	21.7	22.6	23.6	8.09	22.3
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			40.5	9.79	7.27	7.02	8.08	10.3	11.2	10.9	5.37	7.35
Copper	8200.00	---			1180	19.9	51.5 I	15600 I	29.2 I	8270 I	31.1 I	21.3 I	15.7 I	883 I
Cyanide (amenable)	4100.00	---												
Cyanide					0.081 V	<0.032 V	<0.033 J3	0.324	<0.037 V	0.222 J3	<0.040	0.171	0.091	0.183 J3
Hardness														
Iron	---	---			40000	20000	14000 I	16700 I	13900 I	21200 I	20700 I	22500 I	10800 I	28400 I
Lead	700.00	---			911	11.8	32.4 I	4050	13.0 I	2520	12.9 I	15.6 I	6.37 I	620 I
Magnesium	730000.00	---			2330	4350	31700	7060	7630 J3	26800	24000	9200	43700	42000
Manganese	4100.00	8700.00			827	226	409 I	1030 I	170 I, J3	547 I	1010 I	675 I	515 I	560 I
Mercury	61.00	0.10			0.1	0.02	0.07	0.58 J3	0.03	0.31	0.02	0.04	0.008	0.39
Nickel	4100.00	440000.00			97.1	24.3	17.6	201	26.4	74.8	30	20.9	11.6	40.6
Potassium	---	---			634	2320	2150	595	2910	1480	2920	2210	1470	886
Selenium	1000.00	---			7.60 B2	<2.60 B2	<2.19	16.9	<2.50	3.99	<2.62	6.1	<2.28	3.24
Silver	1000.00	---			5.15	<0.65	0.6	5.68	<0.63	2.65	<0.66	<0.60	0.86	1.27
Sodium	---	---			1320	433	591	845	513	957	426	2630	314	939
Strontium	410000.00	---			25.3	13.3	30.3	177	51.6	50.6	28.7	24.4	36.9	47.7
Thallium	160.00	---			<2.41 B2	<2.60 B2	<2.19 B2	4.88 B2	<2.50 B2	<2.33 B2	<2.62 B2	<2.41 B2	<2.28 B2	3.45 B2
Vanadium	1400.00	---			8.14	30.7	20.7 I	17.5 I	21.1 I	17.9 I	30.4 I	37.8 I	11.3 I	16.1 I
Zinc	61000.00	---			69000	126	331	16900	450	15200	1420	125	73.6	3610
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0063	0.0091	<0.004	<0.0077	0.005	<0.0046	0.0094	0.017	<0.0045	0.008
Benzene	100	1.6			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Bromobenzene	16000	810			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Bromochloroethene														
Bromochloromethane					<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Bromodichloromethane	92	3000			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Bromoform	720	100			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Bromomethane	2900	15			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
2-Butanone (MEK)	1000000	25000			<0.0063	<0.0054	<0.004	<0.0077	<0.005	<0.0046	<0.0057	0.0081	<0.0045	<0.0049
Carbon Disulfide	200000	720			0.0063	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Carbon tetrachloride	44	0.64			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Chlorobenzene	41000	210			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Chloroethane	---	1500			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Chloroform	940	0.54			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Chloromethane	---	170			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Dibromochloromethane	92	3000			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,2-Dibromoethane					<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Dibromomethane					<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1-Dichloroethane	200000	1700			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,2-Dichloroethane	63	0.7			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1-Dichloroethene					<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
cis-1,2-Dichloroethene	20000	1200			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
trans-1,2-Dichloroethene	41000	3100			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1-Dichloropropene					<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,2-Dichloropropane	84	23			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,3-Dichloropropane	41000	1000			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
2,2-Dichloropropane					<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
cis-1,3-Dichloropropene	57	2.1			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
trans-1,3-Dichloropropene	57	2.1			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Ethylbenzene	200000	400			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
2-Hexanone (MBK)	10000	720			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Methylene Chloride	760	24			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Methyl tert-butyl ether	20000	8800			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
4-Methyl-2pentanone (MIBK)	---	340			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Stryene	410000	1500			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Tetrachloroethene	110	20			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Trichlorofluoromethane	61000	1400			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Toluene	410000	650			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1,1-Trichloroethane	---	1200			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1,2-Trichloroethane	8200	1800			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,2,3-Trichloropropane	0.19	5			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Trichloroethene	520	8.9			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Vinyl chloride	7.9	1.1			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Xylenes, Total	410000	320			<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018	<0.0019
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---												
Acenaphthylene	61000	---												
Acetophenone														
Anthracene	610000	---												
Azobenzene														
Benzo(a)anthracene	8	---												
Benzo(b)fluoranthene	8	---												
Benzo(k)fluoranthene	78	---												
Benzo(g,h,i)perylene	61000	---												
Benzo(a)pyrene	0.8	---												
Bis(2-chloroethyl)ether	5	0.47												

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample #	22I1132-16	22I1132-17	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08	22I1134-09	22I1134-10	22I1134-13
			Sample Name	SB23 4-7	SB23 8-10	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10	SB26 2-4	SB26 14-16	SB27 4.5-7
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	2:00 PM	2:10 PM	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM	3:50 PM	4:00 PM	4:35 PM
			% Solids	81.28713	78.53561	91.2785	64.43349	79.90099	85.84248	74.72417	83.15271	86.09732	88.59127
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate	410	31000											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate	410000	930											
Carbazole	290	---											
4-Chloro-3-methylphenol													
4-Chloroaniline	8200	---											
1-Chloronaphthalene													
2-Chloronaphthalene	160000	---											
2-Chlorophenol	10000	53000											
4-Chlorophenyl phenyl ether													
Chrysene	780	---											
1,2-Dichlorobenzene	180000	560											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene	---	17000											
2,4-Dichlorophenol	6100	---											
Di-n-butyl phthalate	200000	2300											
Di-n-octyl phthalate	41000	10000											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene	200	---											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene	8.4	---											
2,4-Dinitrophenol	4100	---											
2,4-Dinitrotoluene	8.4	---											
Dibenz(a,h)anthracene	0.8	---											
Dibenzofuran	2000	---											
3,3'-Dichlorobenzidine	13	---											
2,6-Dichlorophenol													
Diethyl phthalate	1000000	2000											
Dimethyl phthalate	1000000	1300											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol	41000	---											
4,6-Dinitro-2-methylphenol													
Diphenylamine	51000	---											
Fluoranthene	82000	---											
Fluorene	82000	---											
Hexachlorobenzene													
Hexachlorobutadiene	2000												
Hexachlorocyclopentadiene													
Hexachloroethane	2000	---											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene	8	---											
Isodrin													
Isophorone	410000	4600											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene	8200	---											
2-Methylphenol	100000	---											
4-Methylphenol	200000	170000											
Naphthalene	41000	270											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline	31000	28											
3-Nitroaniline													
4-Nitroaniline	8200	2400											
Nitrobenzene	1000	140											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol	16000	---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine	0.8	---											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene	6100	---											
Pentachloronitrobenzene													
Pentachlorophenol	24	---											
Phenacetin													
Phenanthrene	61000	---											
Phenol	610000	---											
2-Picoline													
Pronamide													
Pyrene	61000	---											
Pyridine	2000	200000											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene	20000	3200											
2,4,5-Trichlorophenol	200000	---											
2,4,6-Trichlorophenol	520	390											
Pesticides/PCBs - mg/kg or mg/L													
Aldrin	0.3	6.6											
alpha-BHC	0.9	1.5											
beta-BHC													
delta-BHC													
gamma-BHC	4	---											
alpha-Chlordane	16	140											
gamma-Chlordane	16	140											
Dieldrin	0.4	2.2											
p,p'-DDT	17	1500											
p,p'-DDD	24	---											
p,p'-DDE	17	---											
Endosulfan I	12000	---											
Endosulfan II													

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample #	22I1132-16	22I1132-17	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08	22I1134-09	22I1134-10	22I1134-13
			Sample Name	SB23 4-7	SB23 8-10	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10	SB26 2-4	SB26 14-16	SB27 4.5-7
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	2:00 PM	2:10 PM	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM	3:50 PM	4:00 PM	4:35 PM
			% Solids	81.28713	78.53561	91.2785	64.43349	79.90099	85.84248	74.72417	83.15271	86.09732	88.59127
Endosulfan sulfate													
Endrin	610	---											
Endrin aldehyde													
Endrin ketone													
Heptachlor	1	11											
Heptachlor epoxide	0.6	9.2											
Methoxychlor	10000	---											
Toxaphene	5.2	170											
Aroclor 1016	1												
Aroclor 1221	1												
Aroclor 1232	1												
Aroclor 1242	1												
Aroclor 1248	1												
Aroclor 1254	1												
Aroclor 1260	1												
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12												

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		14900	22700	9770	12400	9430	4470	17400	9950	9810	3850
Antimony	82.00	---		5.22 B2	0.076	<0.010	7.09 B2	2.91 B2	17.1 B2	7.36 B2	0.029	<0.010	<2.30 B2
Arsenic	61.00	25000.00		20.1	<0.010 B1, J7	<0.010 B1, J7	8.93 B2	8.10 B2	11.7 B2	30.7	<0.010 B1, J7	<0.010 B1, J7	5.32 B2
Barium	14000.00	870000.00		69.3 I	1.16	0.295	206 I	24.9 I	217	115	0.526	0.225	24.1
Beryllium	410.00	44000.00		<0.24	<0.001	<0.001	5.36	0.24	0.72	0.56	<0.001	<0.001	0.56
Boron	41000.00	---		24.3 B1, I	34	30.5	110 B1, I	8.48 B1, I	22.1 B1	<6.28 B1	32.7	11.7	16.1 B1
Cadmium	200.00	59000.00		7.73 B2	0.158 B2	0.003 B2	13.1 B2	3.84 B2	39.3 B2	24.7 B2	0.075 B2	0.003 B2	2.66 B2
Calcium	---	---		40500 I	6020	55700	69200 I	11600 I	75300	4970	77400	16100	134000
Chromium	4100.00	690.00		22.5	<0.005	<0.005	38.5	17.9	24.1	26.8	<0.005	<0.005	8.65
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		20.4	15.7	9.78	8.29	7.61	9.8	13.3	7.82	7.24	3.84
Copper	8200.00	---		29.7 I	189	47.2	7190 I	21.9 I	4380	95.2	614	19.7	197
Cyanide (amenable)	4100.00	---											
Cyanide				<0.037	0.047	<0.036	0.488	<0.035	0.318	0.051	0.071	<0.032	0.041
Hardness													
Iron	---	---		37300 I	22000	21200	16900 I	17300 I	32700	52400	18300	15300	8530
Lead	700.00	---		14.2 I	21.9	<0.010	705 I	14.7 I	1860	1680	1.21	<0.010	79.1
Magnesium	730000.00	---		27300	6560	29500	31900	9240	41900	7550	35100	11200	74800
Manganese	4100.00	8700.00		929 I	366	351	4990 I	216 I	1270	1810	547	204	274
Mercury	61.00	0.10		0.02	0.05	0.02	0.31	0.03	1.45	0.02	0.21	0.02	0.05
Nickel	4100.00	440000.00		40.5	0.088	0.01	67.1	19.6	53.6	36.5	0.225	0.009	13
Potassium	---	---		3250	3070	2370	2060	2420	668	3350	2480	2380	1170
Selenium	1000.00	---		7.73	0.026 J6	0.039 J6	11.4	2.86	7.90 B2	11.1 B2	0.039 J6	0.025 J6	<2.30 B2
Silver	1000.00	---		<0.60	<0.012	<0.012	2.71	<0.61	2.84	<0.63	<0.012	<0.012	1.28
Sodium	---	---		444	625	435	1320	<245	393	<251	649	<227	362
Strontium	410000.00	---		25.1	30.5	28	77.1	16.3	47.7	23.3	45.7	16.3	46.2
Thallium	160.00	---		2.76 B2	<0.025 B1	<0.025 B1	<2.39 B2	2.50 B2	3.74 B2	5.49 B2	<0.025 B1	<0.025 B1	<2.30 B2
Vanadium	1400.00	---		27.4 I	<0.005 B1	<0.005 B1	18.8 I	27.5 I	9.13 B1	41.9 B1	<0.005 B1	<0.005 B1	15.2 B1
Zinc	61000.00	---		1380	80.6	0.23	7050	137	14900	6320	45.1	<0.025	453
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0057	<0.0067	<0.0048	0.0083	0.0083	<0.0071	<0.0056	<0.0088	<0.0044	0.0096
Benzene	100	1.6		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromobenzene	16000	810		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromochloroethene													
Bromochloromethane				<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromodichloromethane	92	3000		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromoform	720	100		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Bromomethane	2900	15		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
2-Butanone (MEK)	1000000	25000		<0.0057	<0.0067	<0.0048	<0.0052	<0.0058	<0.0071	<0.0056	<0.0088	<0.0044	<0.0058
Carbon Disulfide	200000	720		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Carbon tetrachloride	44	0.64		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chlorobenzene	41000	210		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chloroethane	---	1500		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chloroform	940	0.54		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Chloromethane	---	170		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Dibromochloromethane	92	3000		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2-Dibromoethane				<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Dibromomethane				<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1-Dichloroethane	200000	1700		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2-Dichloroethane	63	0.7		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1-Dichloroethene				<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
cis-1,2-Dichloroethene	20000	1200		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	0.0043	0.0054	<0.0023
trans-1,2-Dichloroethene	41000	3100		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1-Dichloropropene				<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2-Dichloropropane	84	23		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,3-Dichloropropane	41000	1000		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
2,2-Dichloropropane				<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
cis-1,3-Dichloropropene	57	2.1		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
trans-1,3-Dichloropropene	57	2.1		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Ethylbenzene	200000	400		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
2-Hexanone (MBK)	10000	720		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Methylene Chloride	760	24		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Methyl tert-butyl ether	20000	8800		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
4-Methyl-2pentanone (MIBK)	---	340		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Stryene	410000	1500		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Tetrachloroethene	110	20		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Trichlorofluoromethane	61000	1400		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Toluene	410000	650		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,1-Trichloroethane	---	1200		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,2-Trichloroethane	8200	1800		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,2,3-Trichloropropane	0.19	5		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,1,2-Tetrachloroethane	61000	2100		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Trichloroethene	520	8.9		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	0.011	0.003	<0.0023
Vinyl chloride	7.9	1.1		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Xylenes, Total	410000	320		<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018	<0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---			<0.062	<0.058					<0.055	<0.057	
Acenaphthylene	61000	---			<0.062	<0.058					<0.055	<0.057	
Acetophenone					<0.062	<0.058					<0.055	<0.057	
Anthracene	610000	---			<0.062	<0.058					<0.055	<0.057	
Azobenzene					<0.062	<0.058					<0.055	<0.057	
Benzo(a)anthracene	8	---			<0.062	<0.058					<0.055	<0.057	
Benzo(b)fluoranthene	8	---			<0.062	<0.058					<0.055	<0.057	
Benzo(k)fluoranthene	78	---			<0.062	<0.058					<0.055	<0.057	
Benzo(g,h,i)perylene	61000	---			<0.062	<0.058					<0.055	<0.057	
Benzo(a)pyrene	0.8	---			<0.062	<0.058					<0.055	<0.057	
Bis(2-chloroethyl)ether	5	0.47			<0.062	<0.058					<0.055	<0.057	

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563
Bis(2-chloroethoxy)methane					<0.062	<0.058					<0.055	<0.057	
Bis(2-ethylhexyl)phthalate	410	31000			<0.21	<0.2					<0.19	<0.19	
4-Bromophenyl phenyl ether					<0.062	<0.058					<0.055	<0.057	
Butyl benzyl phthalate	410000	930			<0.062	<0.058					<0.055	<0.057	
Carbazole	290	---			<0.062	<0.058					<0.055	<0.057	
4-Chloro-3-methylphenol					<0.062	<0.058					<0.055	<0.057	
4-Chloroaniline	8200	---			<0.062	<0.058					<0.055	<0.057	
1-Chloronaphthalene					<0.062	<0.058					<0.055	<0.057	
2-Chloronaphthalene	160000	---			<0.062	<0.058					<0.055	<0.057	
2-Chlorophenol	10000	53000			<0.062	<0.058					<0.055	<0.057	
4-Chlorophenyl phenyl ether					<0.062	<0.058					<0.055	<0.057	
Chrysene	780	---			<0.062	<0.058					<0.055	<0.057	
1,2-Dichlorobenzene	180000	560			<0.062	<0.058					<0.055	<0.057	
1,3-Dichlorobenzene					<0.062	<0.058					<0.055	<0.057	
1,4-Dichlorobenzene	---	17000			<0.062	<0.058					<0.055	<0.057	
2,4-Dichlorophenol	6100	---			<0.062	<0.058					<0.055	<0.057	
Di-n-butyl phthalate	200000	2300			<0.21	<0.2					<0.19	<0.19	
Di-n-octyl phthalate	41000	10000			<0.21	<0.2					<0.19	<0.19	
1,2-Dinitrobenzene					<0.21	<0.2					<0.19	<0.19	
1,3-Dinitrobenzene	200	---			<0.21	<0.2					<0.19	<0.19	
1,4-Dinitrobenzene					<0.062	<0.058					<0.055	<0.057	
2,6-Dinitrotoluene	8.4	---			<0.062	<0.058					<0.055	<0.057	
2,4-Dinitrophenol	4100	---			<0.21	<0.2					<0.19	<0.19	
2,4-Dinitrotoluene	8.4	---			<0.062	<0.058					<0.055	<0.057	
Dibenz(a,h)anthracene	0.8	---			<0.062	<0.058					<0.055	<0.057	
Dibenzofuran	2000	---			<0.062	<0.058					<0.055	<0.057	
3,3'-Dichlorobenzidine	13	---			<0.062	<0.058					<0.055	<0.057	
2,6-Dichlorophenol					<0.062	<0.058					<0.055	<0.057	
Diethyl phthalate	1000000	2000			<0.062	<0.058					<0.055	<0.057	
Dimethyl phthalate	1000000	1300			<0.062	<0.058					<0.055	<0.057	
p-Dimethylaminoazobenzene					<0.21	<0.2					<0.19	<0.19	
7,12-Dimethylbenzo(a)anthracene					<0.21	<0.2					<0.19	<0.19	
2,4-Dimethylphenol	41000	---			<0.062	<0.058					<0.055	<0.057	
4,6-Dinitro-2-methylphenol					<0.21	<0.2					<0.19	<0.19	
Diphenylamine	51000	---			<0.062	<0.058					<0.055	<0.057	
Fluoranthene	82000	---			0.063	<0.058					<0.055	<0.057	
Fluorene	82000	---			<0.062	<0.058					<0.055	<0.057	
Hexachlorobenzene					<0.062	<0.058					<0.055	<0.057	
Hexachlorobutadiene	2000				<0.062	<0.058					<0.055	<0.057	
Hexachlorocyclopentadiene					<0.21	<0.2					<0.19	<0.19	
Hexachloroethane	2000	---			<0.062	<0.058					<0.055	<0.057	
Hexachloropropene					<0.062	<0.058					<0.055	<0.057	
Indeno(1,2,3-cd)pyrene	8	---			<0.21	<0.2					<0.19	<0.19	
Isodrin					<0.062	<0.058					<0.055	<0.057	
Isophorone	410000	4600			<0.21	<0.2					<0.19	<0.19	
Isosafrole					<0.062	<0.058					<0.055	<0.057	
Mestranol					<0.21	<0.2					<0.19	<0.19	
Ethyl methanesulfonate					<0.062	<0.058					<0.055	<0.057	
Methyl methanesulfonate					<0.062	<0.058					<0.055	<0.057	
2-Methylnaphthalene	8200	---			<0.062	<0.058					<0.055	<0.057	
2-Methylphenol	100000	---			<0.062	<0.058					<0.055	<0.057	
4-Methylphenol	200000	170000			<0.062	<0.058					<0.055	<0.057	
Naphthalene	41000	270			<0.062	<0.058					<0.055	<0.057	
1-Naphthylamine					<0.21	<0.2					<0.19	<0.19	
2-Naphthylamine					<0.21	<0.2					<0.19	<0.19	
5-Nitroacenaphthene					<0.062	<0.058					<0.055	<0.057	
2-Nitroaniline	31000	28			<0.21	<0.2					<0.19	<0.19	
3-Nitroaniline					<0.062	<0.058					<0.055	<0.057	
4-Nitroaniline	8200	2400			<0.062	<0.058					<0.055	<0.057	
Nitrobenzene	1000	140			<0.062	<0.058					<0.055	<0.057	
4-Nitrobiphenyl					<0.21	<0.2					<0.19	<0.19	
2-Nitrophenol					<0.21	<0.2					<0.19 J5	<0.19 J5	
4-Nitrophenol	16000	---			<0.062	<0.058					<0.055	<0.057	
N-Nitrosodi-n-butylamine					<0.062	<0.058					<0.055	<0.057	
N-Nitrosodi-n-propylamine	0.8	---			<0.062	<0.058					<0.055	<0.057	
N-Nitrosopiperidine					<0.062	<0.058					<0.055	<0.057	
2,2'-Oxybis (1-chloropropane)					<0.062	<0.058					<0.055	<0.057	
Pentachlorobenzene	6100	---			<0.062	<0.058					<0.055	<0.057	
Pentachloronitrobenzene					<0.062	<0.058					<0.055	<0.057	
Pentachlorophenol	24	---			<0.21	<0.2					<0.19	<0.19	
Phenacetin					<0.21	<0.2					<0.19	<0.19	
Phenanthrene	61000	---			<0.062	<0.058					<0.055	<0.057	
Phenol	610000	---			<0.062	<0.058					<0.055	<0.057	
2-Picoline					<0.062	<0.058					<0.055	<0.057	
Pronamide					<0.062	<0.058					<0.055	<0.057	
Pyrene	61000	---			<0.062	<0.058					<0.055	<0.057	
Pyridine	2000	200000			<0.21	<0.2					<0.19	<0.19	
Safrole					<0.062	<0.058					<0.055	<0.057	
1,2,4,5-Tetrachlorobenzene					<0.062	<0.058					<0.055	<0.057	
2,3,4,6-Tetrachlorophenol					<0.062	<0.058					<0.055	<0.057	
1,2,4-Trichlorobenzene	20000	3200			<0.062	<0.058					<0.055	<0.057	
2,4,5-Trichlorophenol	200000	---			<0.062	<0.058					<0.055	<0.057	
2,4,6-Trichlorophenol	520	390			<0.062	<0.058					<0.055	<0.057	

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6			<0.0064	<0.0058					<0.0058	<0.0054	
alpha-BHC	0.9	1.5			<0.0025	<0.0023					<0.0023	<0.0022	
beta-BHC					<0.0064	<0.0058					<0.0058	<0.0054	
delta-BHC					0.0093	<0.0058					<0.0058	<0.0054	
gamma-BHC	4	---			<0.0064	<0.0058					<0.0058	<0.0054	
alpha-Chlordane	16	140			<0.0064	<0.0058					<0.0058	<0.0054	
gamma-Chlordane	16	140			<0.0064	<0.0058					<0.0058	<0.0054	
Dieldrin	0.4	2.2			<0.0025	<0.0023					<0.0023	<0.0022	
p,p'-DDT	17	1500			<0.0064	<0.0058					<0.0058	<0.0054	
p,p'-DDD	24	---			<0.0064	<0.0058					<0.0058	<0.0054	
p,p'-DDE	17	---			<0.0064	<0.0058					<0.0058	<0.0054	
Endosulfan I	12000	---			<0.0064	<0.0058					<0.0058	<0.0054	
Endosulfan II					<0.0064	<0.0058					<0.0058	<0.0054	

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563
Endosulfan sulfate					<0.0064	<0.0058					<0.0058	<0.0054	
Endrin	610	---			<0.0064	<0.0058					<0.0058	<0.0054	
Endrin aldehyde					<0.0064	<0.0058					<0.0058	<0.0054	
Endrin ketone					<0.0064	<0.0058					<0.0058	<0.0054	
Heptachlor	1	11			<0.0064	<0.0058					<0.0058	<0.0054	
Heptachlor epoxide	0.6	9.2			<0.0064	<0.0058					<0.0058	<0.0054	
Methoxychlor	10000	---			<0.0064	<0.0058					<0.0058	<0.0054	
Toxaphene	5.2	170			<0.13	<0.12					<0.12	<0.11	
Aroclor 1016	1				<0.013	<0.012					<0.012	<0.011	
Aroclor 1221	1				<0.013	<0.012					<0.012	<0.011	
Aroclor 1232	1				<0.013	<0.012					<0.012	<0.011	
Aroclor 1242	1				<0.013	<0.012					<0.012	<0.011	
Aroclor 1248	1				<0.013	<0.012					<0.012	<0.011	
Aroclor 1254	1				<0.013	<0.012					<0.012	<0.011	
Aroclor 1260	1				<0.013	<0.012					<0.012	<0.011	
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12				8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q	

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			9960	13700	17500	10200	8400	11400	16000	11400	11500	8960
Antimony	82.00	---			2.71 B2	<0.010	<0.010	4.01 B2	2.73 B2	6.82 B2	3.67 B2	<0.010	<0.010	<0.010
Arsenic	61.00	25000.00			6.76 B2	<0.010 B1, J7	<0.010 B1, J7	12.9 B2	8.02 B2	11.6 B2	11.8 B2	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	14000.00	870000.00			32.1	0.534	0.361	50	39	90.8 I	66.7 I	0.471	0.605	0.207
Beryllium	410.00	44000.00			<0.24	<0.001	<0.001	0.44	0.47	4.06	<0.23	<0.001	<0.001	<0.001
Boron	41000.00	---			11.1 B1	136	25.6	43.5 B1	52.7 B1	213 B1, I	12.7 B1, I	22.2	34.6	17.7
Cadmium	200.00	59000.00			3.40 B2	0.015 B2	<0.003 B2	4.15 B2	3.62 B2	6.15 B2	5.37 B2	0.004 B2	0.008 B2	<0.003
Calcium	---	---			69300	126000	35100	63000	91000	56200 I	16300 I	70000	61500	63500
Chromium	4100.00	690.00			16.8	<0.005	0.005	16.1	12.4	21.3	25.5	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			9.05	9.87	19.8	8.17	6.85	13.4	11.6	9.56	9.15	14.7
Copper	8200.00	---			17.9	253	26.4	117	185	1000 I	38.1 I	89.2 J3	2630	19.9
Cyanide (amenable)	4100.00	---												
Cyanide					<0.033	0.122	<0.034	<0.031 V	<0.033	<0.035	<0.033 V	<0.035 J3	0.171	<0.037
Hardness														
Iron	---	---			14000	37900	31000	16900	14000	26000 I	29300 I	20000	21600	22600
Lead	700.00	---			9.27	0.018	<0.010	87.4	112	430 I	18.8 I	0.006	0.032 V	<0.005
Magnesium	730000.00	---			37000	55500	23200	30600	38400	27900	11900	34100	29800	32500
Manganese	4100.00	8700.00			425	451	783	565	549	774 I	577 I	526 I	454	455
Mercury	61.00	0.10			0.02	0.02	0.01	0.06	0.07	<0.006	0.06	0.01	1.67	0.01
Nickel	4100.00	440000.00			19.8	0.048	0.008	21.8	21.2	59.4	35.6	0.021	0.042	0.015
Potassium	---	---			2870	2070	4900	2430	1550	2480	3240	2720	2510	2630
Selenium	1000.00	---			3.24 B2	<0.025 J5	<0.025 J5	<2.24 B2	<2.20 B2	5.09	2.58	<0.025 I, J3, J5	0.029 J6	0.026 J6
Silver	1000.00	---			<0.61	<0.012	<0.012	<0.56	0.91	1.1	<0.56	<0.003	0.003	<0.003
Sodium	---	---			<245	1360	256	1110	945	2220	730	517	542	<234
Strontium	410000.00	---			40.2	81.6	27.3	33.4	46.7	38.9	18.2	38.5 J3	47.5	35.2
Thallium	160.00	---			<2.45 B2	<0.025 B1	<0.025 B1	<2.24 B2	<2.20 B2	<2.26 B2	<2.26 B2	0.044 B2, V	0.045 B2, V	0.041 B2, V
Vanadium	1400.00	---			17.9 B1	<0.005 B1	<0.005 B1	22.8	19.6 B1	21.2 I	28.6 I	<0.005	<0.005	<0.005
Zinc	61000.00	---			43.8	3.61	<0.025	754	1110	7170	232	0.159 J6, V	1.42 J6	<0.025 J5
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0048	<0.0061	<0.0045	<0.004	<0.0043	<0.0047	<0.0048	<0.0047	0.057	0.0098
Benzene	100	1.6			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Bromobenzene	16000	810			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Bromochloroethene														
Bromochloromethane					<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Bromodichloromethane	92	3000			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Bromoform	720	100			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Bromomethane	2900	15			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
2-Butanone (MEK)	1000000	25000			<0.0048	<0.0061	<0.0045	<0.004	<0.0043	<0.0047	<0.0048	<0.0047	0.011	<0.0047
Carbon Disulfide	200000	720			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Carbon tetrachloride	44	0.64			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Chlorobenzene	41000	210			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Chloroethane	---	1500			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Chloroform	940	0.54			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Chloromethane	---	170			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Dibromochloromethane	92	3000			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,2-Dibromoethane					<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Dibromomethane					<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,1-Dichloroethane	200000	1700			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,2-Dichloroethane	63	0.7			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,1-Dichloroethene					0.011	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
cis-1,2-Dichloroethene	20000	1200			0.19 L	<0.0024	0.11	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
trans-1,2-Dichloroethene	41000	3100			0.032	<0.0024	0.0029	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,1-Dichloropropene					<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,2-Dichloropropane	84	23			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,3-Dichloropropane	41000	1000			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
2,2-Dichloropropane					<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
cis-1,3-Dichloropropene	57	2.1			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
trans-1,3-Dichloropropene	57	2.1			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Ethylbenzene	200000	400			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
2-Hexanone (MBK)	10000	720			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024 J2	<0.0019
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Methylene Chloride	760	24			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Methyl tert-butyl ether	20000	8800			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
4-Methyl-2pentanone (MIBK)	---	340			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0034	<0.0024	<0.0019
Stryene	410000	1500			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Tetrachloroethene	110	20			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Trichlorofluoromethane	61000	1400			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	0.0042 J2	<0.0019
Toluene	410000	650			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0038	<0.0024	0.0041
1,1,1-Trichloroethane	---	1200			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,1,2-Trichloroethane	8200	1800			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,2,3-Trichloropropane	0.19	5			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Trichloroethene	520	8.9			0.19 L	<0.0024	0.098	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Vinyl chloride	7.9	1.1			0.026	<0.0024	0.002	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024	<0.0019
Xylenes, Total	410000	320			<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0023	0.0024	<0.0019
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---				<0.061	<0.056					<0.058	1.1	<0.059
Acenaphthylene	61000	---				<0.061	<0.056					<0.058	<0.062	<0.059
Acetophenone						<0.061	<0.056					<0.058	<0.062	<0.059
Anthracene	610000	---				<0.061	<0.056					<0.058	1.5	<0.059
Azobenzene						<0.061	<0.056					<0.058	<0.062	<0.059
Benzo(a)anthracene	8	---				<0.061	<0.056					0.11	2.5	<0.059
Benzo(b)fluoranthene	8	---				<0.061	<0.056					0.18	2.5	<0.059
Benzo(k)fluoranthene	78	---				<0.061	<0.056					0.071	0.82	<0.059
Benzo(g,h,i)perylene	61000	---				<0.061	<0.056					0.088	0.79	<0.059
Benzo(a)pyrene	0.8	---				<0.061	<0.056					0.13	2.1	<0.059
Bis(2-chloroethyl)ether	5	0.47				<0.061	<0.056					<0.058	<0.062	<0.059

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9
Bis(2-chloroethoxy)methane					<0.061	<0.056					<0.058	<0.062	<0.059
Bis(2-ethylhexyl)phthalate	410	31000			<0.21	<0.19					<0.2	<0.21	<0.2
4-Bromophenyl phenyl ether					<0.061	<0.056					<0.058	<0.062	<0.059
Butyl benzyl phthalate	410000	930			<0.061	<0.056					<0.058	<0.062	<0.059
Carbazole	290	---			<0.061	<0.056					<0.058	0.4	<0.059
4-Chloro-3-methylphenol					<0.061	<0.056					<0.058	<0.062	<0.059
4-Chloroaniline	8200	---			<0.061	<0.056					<0.058	<0.062	<0.059
1-Chloronaphthalene					<0.061	<0.056					<0.058	<0.062	<0.059
2-Chloronaphthalene	160000	---			<0.061	<0.056					<0.058	<0.062	<0.059
2-Chlorophenol	10000	53000			<0.061	<0.056					<0.058	<0.062	<0.059
4-Chlorophenyl phenyl ether					<0.061	<0.056					<0.058	<0.062	<0.059
Chrysene	780	---			<0.061	<0.056					0.13	2.7	<0.059
1,2-Dichlorobenzene	180000	560			<0.061	<0.056					<0.058	<0.062	<0.059
1,3-Dichlorobenzene					<0.061	<0.056					<0.058	<0.062	<0.059
1,4-Dichlorobenzene	---	17000			<0.061	<0.056					<0.058	<0.062	<0.059
2,4-Dichlorophenol	6100	---			<0.061	<0.056					<0.058	<0.062	<0.059
Di-n-butyl phthalate	200000	2300			<0.21	<0.19					<0.2	<0.21	<0.2
Di-n-octyl phthalate	41000	10000			<0.21	<0.19					<0.2	<0.21	<0.2
1,2-Dinitrobenzene					<0.21	<0.19					<0.2	<0.21	<0.2
1,3-Dinitrobenzene	200	---			<0.21	<0.19					<0.2	<0.21	<0.2
1,4-Dinitrobenzene					<0.061	<0.056					<0.058	<0.062	<0.059
2,6-Dinitrotoluene	8.4	---			<0.061	<0.056					<0.058	<0.062	<0.059
2,4-Dinitrophenol	4100	---			<0.21	<0.19					<0.2	<0.21	<0.2
2,4-Dinitrotoluene	8.4	---			<0.061	<0.056					<0.058	<0.062	<0.059
Dibenz(a,h)anthracene	0.8	---			<0.061	<0.056					<0.058	0.15	<0.059
Dibenzofuran	2000	---			<0.061	<0.056					<0.058	0.34	<0.059
3,3'-Dichlorobenzidine	13	---			<0.061	<0.056					<0.058	<0.062	<0.059
2,6-Dichlorophenol					<0.061	<0.056					<0.058	<0.062	<0.059
Diethyl phthalate	1000000	2000			<0.061	<0.056					<0.058	<0.062	<0.059
Dimethyl phthalate	1000000	1300			<0.061	<0.056					<0.058	<0.062	<0.059
p-Dimethylaminoazobenzene					<0.21	<0.19					<0.2	<0.21	<0.2
7,12-Dimethylbenzo(a)anthracene					<0.21	<0.19					<0.2	<0.21	<0.2
2,4-Dimethylphenol	41000	---			<0.061	<0.056					<0.058	<0.062	<0.059
4,6-Dinitro-2-methylphenol					<0.21	<0.19					<0.2	<0.21	<0.2
Diphenylamine	51000	---			<0.061	<0.056					<0.058	<0.062	<0.059
Fluoranthene	82000	---			<0.061	<0.056					0.27	4.9	<0.059
Fluorene	82000	---			<0.061	<0.056					<0.058	0.74	<0.059
Hexachlorobenzene					<0.061	<0.056					<0.058	<0.062	<0.059
Hexachlorobutadiene	2000				<0.061	<0.056					<0.058	<0.062	<0.059
Hexachlorocyclopentadiene					<0.21	<0.19					<0.2	<0.21	<0.2
Hexachloroethane	2000	---			<0.061	<0.056					<0.058	<0.062	<0.059
Hexachloropropene					<0.061	<0.056					<0.058	<0.062	<0.059
Indeno(1,2,3-cd)pyrene	8	---			<0.21	<0.19					<0.2	0.8	<0.2
Isodrin					<0.061	<0.056					<0.058	<0.062	<0.059
Isophorone	410000	4600			<0.21	<0.19					<0.2	<0.21	<0.2
Isosafrole					<0.061	<0.056					<0.058	<0.062	<0.059
Mestranol					<0.21	<0.19					<0.2	<0.21	<0.2
Ethyl methanesulfonate					<0.061	<0.056					<0.058	<0.062	<0.059
Methyl methanesulfonate					<0.061	<0.056					<0.058	<0.062	<0.059
2-Methylnaphthalene	8200	---			0.083	<0.056					<0.058	0.29	<0.059
2-Methylphenol	100000	---			<0.061	<0.056					<0.058	<0.062	<0.059
4-Methylphenol	200000	170000			<0.061	<0.056					<0.058	<0.062	<0.059
Naphthalene	41000	270			<0.061	<0.056					<0.058	0.24	<0.059
1-Naphthylamine					<0.21	<0.19					<0.2 O2	<0.21 O2	<0.2 O2
2-Naphthylamine					<0.21	<0.19					<0.2	<0.21	<0.2
5-Nitroacenaphthene					<0.061	<0.056					<0.058	<0.062	<0.059
2-Nitroaniline	31000	28			<0.21	<0.19					<0.2	<0.21	<0.2
3-Nitroaniline					<0.061	<0.056					<0.058	<0.062	<0.059
4-Nitroaniline	8200	2400			<0.061	<0.056					<0.058	<0.062	<0.059
Nitrobenzene	1000	140			<0.061	<0.056					<0.058	<0.062	<0.059
4-Nitrobiphenyl					<0.21	<0.19					<0.2	<0.21	<0.2
2-Nitrophenol					<0.21	<0.19					<0.2	<0.21	<0.2
4-Nitrophenol	16000	---			<0.061	<0.056					<0.058	<0.062	<0.059
N-Nitrosodi-n-butylamine					<0.061	<0.056					<0.058	<0.062	<0.059
N-Nitrosodi-n-propylamine	0.8	---			<0.061	<0.056					<0.058	<0.062	<0.059
N-Nitrosopiperidine					<0.061	<0.056					<0.058	<0.062	<0.059
2,2'-Oxybis (1-chloropropane)					<0.061	<0.056					<0.058	<0.062	<0.059
Pentachlorobenzene	6100	---			<0.061	<0.056					<0.058	<0.062	<0.059
Pentachloronitrobenzene					<0.061	<0.056					<0.058	<0.062	<0.059
Pentachlorophenol	24	---			<0.21	<0.19					<0.2	<0.21	<0.2
Phenacetin					<0.21	<0.19					<0.2	<0.21	<0.2
Phenanthrene	61000	---			0.18	<0.056					0.12	7.9	<0.059
Phenol	610000	---			<0.061	<0.056					<0.058	<0.062	<0.059
2-Picoline					<0.061	<0.056					<0.058	<0.062	<0.059
Pronamide					<0.061	<0.056					<0.058	<0.062	<0.059
Pyrene	61000	---			<0.061	<0.056					0.23	7	<0.059
Pyridine	2000	200000			<0.21	<0.19					<0.2 O2	<0.21	<0.2 O2
Safrole					<0.061	<0.056					<0.058	<0.062	<0.059
1,2,4,5-Tetrachlorobenzene					<0.061	<0.056					<0.058	<0.062	<0.059
2,3,4,6-Tetrachlorophenol					<0.061	<0.056					<0.058	<0.062	<0.059
1,2,4-Trichlorobenzene	20000	3200			<0.061	<0.056					<0.058	<0.062	<0.059
2,4,5-Trichlorophenol	200000	---			<0.061	<0.056					<0.058	<0.062	<0.059
2,4,6-Trichlorophenol	520	390			<0.061	<0.056					<0.058	<0.062	<0.059

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
alpha-BHC	0.9	1.5			<0.0025	<0.0023					<0.0022	<0.0025	<0.0022
beta-BHC					<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
delta-BHC					<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
gamma-BHC	4	---			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
alpha-Chlordane	16	140			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
gamma-Chlordane	16	140			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Dieldrin	0.4	2.2			<0.0025	<0.0023					<0.0022	<0.0025	<0.0022
p,p'-DDT	17	1500			<0.0063	<0.0057					<0.0056	0.0066	<0.0055
p,p'-DDD	24	---			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
p,p'-DDE	17	---			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Endosulfan I	12000	---			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Endosulfan II					<0.0063	<0.0057					<0.0056	<0.0062	<0.0055

IEPA TACO TABLE

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Endosulfan sulfate					<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Endrin	610	---			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Endrin aldehyde					<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Endrin ketone					<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Heptachlor	1	11			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Heptachlor epoxide	0.6	9.2			<0.0063	<0.0057					<0.0056	<0.0062	<0.0055
Methoxychlor	10000	---			0.0096	<0.0057					<0.0056	<0.0062	<0.0055
Toxaphene	5.2	170			<0.13	<0.11					<0.11	<0.12	<0.11
Aroclor 1016	1				<0.013	<0.011					<0.011	<0.012	<0.011
Aroclor 1221	1				<0.013	<0.011					<0.011	<0.012	<0.011
Aroclor 1232	1				<0.013	<0.011					<0.011	<0.012	<0.011
Aroclor 1242	1				<0.013	<0.011					<0.011	<0.012	<0.011
Aroclor 1248	1				<0.013	<0.011					<0.011	<0.012	<0.011
Aroclor 1254	1				<0.013	0.035					<0.011	0.11	<0.011
Aroclor 1260	1				<0.013	<0.011					<0.011	<0.012	<0.011
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12				7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q	8.2 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		10900	13700	10600	11000	15000	7670	6890	12100	14000	10400
Antimony	82.00	---		<0.010	0.033	<0.010	0.039	<0.010	0.045	<0.010	0.027	0.015	<0.010
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1	<0.010 B1	<0.010 J7, B1
Barium	14000.00	870000.00		0.325	1.16	0.23	0.463	0.429	1.25	0.161	1.92	0.454	0.539
Beryllium	410.00	44000.00		<0.001	0.008	<0.001	<0.001	<0.001	0.011	<0.001	<0.001	<0.001	<0.001
Boron	41000.00	---		17.3	1010	25.4	42.1	20.3	225	14	44.5	34.4 J3	17.8
Cadmium	200.00	59000.00		<0.003	0.138 B2	<0.003	0.162 B2	<0.003	0.174 B2	<0.003	0.073 B2	0.017 B2	<0.003
Calcium	---	---		62700	89700	68600	13400	40300	128000	77300	39000	45900	85500
Chromium	4100.00	690.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		9.56	20.7	9.25	12.9	11.5	8.57	4.76	3.81	6.49 J3	8.4
Copper	8200.00	---		32.4	7440	32.9	3570	39.8	6240	15.6	366	483 J3	23.8
Cyanide (amenable)	4100.00	---											
Cyanide				0.035 J3	0.061	<0.032	0.108	<0.035	<0.033	<0.039	<0.034	0.100 J3	<0.034
Hardness													
Iron	---	---		28400	57600	19700	79200	24400	21200	10700	34000	40200	18400
Lead	700.00	---		<0.005	5.99	<0.005	0.81	<0.005	16.8	<0.005	0.513	0.195	<0.005
Magnesium	730000.00	---		33300	49200	36900	6080	24200	70800	44800	12200	19400	42900
Manganese	4100.00	8700.00		674	1940	461	554	676	778	412	16600	10000	580
Mercury	61.00	0.10		0.03	0.07	0.02	1.2	0.02	0.12	0.02	0.02	0.12	0.03
Nickel	4100.00	440000.00		0.013	0.317	0.014	0.21	0.024	0.391	0.006	0.222	0.057	0.007
Potassium	---	---		2550	1670	3310	1380	3660	1280	2250	1100	1840	2450
Selenium	1000.00	---		<0.025 J5	0.025 J6	<0.025 J5	0.029 J6	0.031 J6	0.035 J6	<0.025 J5	0.055	0.03	0.031 J6
Silver	1000.00	---		<0.003	0.004	0.003	<0.003	<0.003	0.005	<0.003	0.008	<0.003	<0.003
Sodium	---	---		<238	7160	274	779	<244	1500	247	378	614	<227
Strontium	410000.00	---		25.1	70.5	35.1	42.7	27.3	59.6	28.6	112	73.8 J3	37.9
Thallium	160.00	---		0.058 B2, V	0.032 B2, V	0.048 B2, V	0.030 B2, V	0.014 B2, V	0.015 B2, V	0.044 B2, V	<0.010 B2, J5	0.013 B2, J6, V	0.056 V, B2
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---		<0.025 J5	69.7 J6	<0.025 J5	34.1 J6	0.137 J6, V	90.7 J6	<0.025 J5	26.4	11.6	<0.025 J5
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0044	0.021	<0.0048	0.0099	0.024	0.022	0.0072	0.035	<0.0051	<0.0049
Benzene	100	1.6		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Bromobenzene	16000	810		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Bromochloroethene													
Bromochloromethane				<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Bromodichloromethane	92	3000		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Bromoform	720	100		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Bromomethane	2900	15		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
2-Butanone (MEK)	1000000	25000		<0.0044	0.0045	<0.0048	<0.0066	<0.0049	<0.0045	<0.005	<0.0059	<0.0051	<0.0049
Carbon Disulfide	200000	720		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Carbon tetrachloride	44	0.64		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Chlorobenzene	41000	210		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Chloroethane	---	1500		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Chloroform	940	0.54		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Chloromethane	---	170		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Dibromochloromethane	92	3000		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,2-Dibromoethane				<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Dibromomethane				<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,1-Dichloroethane	200000	1700		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,2-Dichloroethane	63	0.7		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,1-Dichloroethene				<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	0.036	<0.002
cis-1,2-Dichloroethene	20000	1200		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.018	0.2 I, L	<0.002
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	0.091	<0.002
1,1-Dichloropropene				<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,2-Dichloropropane	84	23		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,3-Dichloropropane	41000	1000		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
2,2-Dichloropropane				<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Ethylbenzene	200000	400		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
2-Hexanone (MBK)	10000	720		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.0099	0.0034	<0.002
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Methylene Chloride	760	24		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.0048	<0.002	<0.002
Stryene	410000	1500		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Tetrachloroethene	110	20		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Trichlorofluoromethane	61000	1400		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0059	<0.0051	<0.002
Toluene	410000	650		0.004	<0.0018	<0.0019	<0.0026	0.0058	0.0039	<0.002	0.0026	<0.002	<0.002
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002	<0.002
Trichloroethene	520	8.9		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.087	0.2 I, L	<0.002
Vinyl chloride	7.9	1.1		<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.019	0.12	<0.002
Xylenes, Total	410000	320		0.0019	<0.0018	<0.0019	<0.0026	<0.002	0.0018	<0.002	0.0055	0.0042	<0.002
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.058	<0.057	<0.059	0.44	<0.059	0.072	<0.057	0.13	<0.057	<0.056
Acenaphthylene	61000	---		<0.058	<0.057	<0.059	0.084	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Acetophenone				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Anthracene	610000	---		<0.058	0.12	<0.059	0.81	<0.059	0.17 J3	<0.057	0.37	<0.057	<0.056
Azobenzene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Benzo(a)anthracene	8	---		<0.058	0.42	<0.059	1.6	<0.059	0.44	<0.057	1.9	0.12	0.18
Benzo(b)fluoranthene	8	---		<0.058	0.64	<0.059	1.6	<0.059	0.46	<0.057	2.5	0.17	0.25
Benzo(k)fluoranthene	78	---		<0.058	0.23	<0.059	0.67	<0.059	<0.28	<0.057	0.97	0.064	0.11
Benzo(g,h,i)perylene	61000	---		<0.058	0.26	<0.059	0.66	<0.059	<0.28	<0.057	0.82	0.068	0.14
Benzo(a)pyrene	0.8	---		<0.058	0.44	<0.059	1.4	<0.059	0.37	<0.057	1.6	0.11	0.2
Bis(2-chloroethyl)ether	5	0.47		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056

IEPA TACO TABLE

	E ACTION OBJECTIVE		Lab Sample #	23H1123-02	23H1123-04	23H1123-05	23H1123-07	23H1123-09	23H1123-08	23H1123-10	23H1144-01	23H1144-02	23H1123-14
			Sample Name	SB-36 (1-3')	SB-36 (4-6')	SB-36 (9-11')	SB-37 (5-6')	SB-37 (9-11')	SB-38 (2.5-4.5')	SB-38 (10-12')	SB-39 (5-7)	SB-39 (12-14)	SB-40 (1-3')
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023
			Time sampled	1:20 PM	1:30 PM	1:40 PM	2:02 PM	2:13 PM	2:15 PM	2:25 PM	3:45 PM	4:05 PM	2:50 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	85.6305	86.7387	83.68369	74.63271	81.9802	87.96478	79.86179	83.94089	82.37052	88.03922
Bis(2-chloroethoxy)methane				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Bis(2-ethylhexyl)phthalate	410	31000		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	0.63	<0.19	<0.19
4-Bromophenyl phenyl ether				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Butyl benzyl phthalate	410000	930		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Carbazole	290	---		<0.058	0.08	<0.059	0.34	<0.059	0.077	<0.057	0.18	<0.057	<0.056
4-Chloro-3-methylphenol				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
4-Chloroaniline	8200	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059	<0.057	<0.056
1-Chloronaphthalene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2-Chloronaphthalene	160000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2-Chlorophenol	10000	53000		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
4-Chlorophenyl phenyl ether				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Chrysene	780	---		<0.058	0.48	<0.059	1.5	<0.059	0.53	<0.057	2	0.14	0.21
1,2-Dichlorobenzene	180000	560		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
1,3-Dichlorobenzene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
1,4-Dichlorobenzene	---	17000		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,4-Dichlorophenol	6100	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Di-n-butyl phthalate	200000	2300		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
Di-n-octyl phthalate	41000	10000		<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2	<0.19	<0.19
1,2-Dinitrobenzene				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
1,3-Dinitrobenzene	200	---		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
1,4-Dinitrobenzene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,6-Dinitrotoluene	8.4	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,4-Dinitrophenol	4100	---		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
2,4-Dinitrotoluene	8.4	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Dibenz(a,h)anthracene	0.8	---		<0.058	<0.057	<0.059	0.12	<0.059	<0.28	<0.057	0.16	<0.057	<0.056
Dibenzofuran	2000	---		<0.058	<0.057	<0.059	0.43	<0.059	0.14	<0.057	0.13	<0.057	<0.056
3,3'-Dichlorobenzidine	13	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059	<0.057	<0.056
2,6-Dichlorophenol				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Diethyl phthalate	1000000	2000		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Dimethyl phthalate	1000000	1300		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
p-Dimethylaminoazobenzene				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2	<0.19	<0.19
2,4-Dimethylphenol	41000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
4,6-Dinitro-2-methylphenol				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
Diphenylamine	51000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Fluoranthene	82000	---		<0.058	1.2	<0.059	3.6	<0.059	1.1 J3	<0.057	4	0.26	0.35
Fluorene	82000	---		<0.058	<0.057	<0.059	0.57	<0.059	0.071 J3	<0.057	0.1	<0.057	<0.056
Hexachlorobenzene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059	<0.057	<0.056
Hexachlorobutadiene	2000			<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Hexachlorocyclopentadiene				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19 J3	<0.19	<0.2	<0.19	<0.19
Hexachloroethane	2000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Hexachloropropene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Indeno(1,2,3-cd)pyrene	8	---		<0.2	0.3	<0.2	0.67	<0.2	<0.96	<0.19	0.86	<0.19	<0.19
Isodrin				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Isophorone	410000	4600		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
Isosafrole				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Mestranol				<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2	<0.19	<0.19
Ethyl methanesulfonate				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Methyl methanesulfonate				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2-Methylnaphthalene	8200	---		<0.058	<0.057	<0.059	0.45	<0.059	0.23	<0.057	0.19	0.06	<0.056
2-Methylphenol	100000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
4-Methylphenol	200000	170000		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Naphthalene	41000	270		<0.058	<0.057	<0.059	0.74	<0.059	0.26	<0.057	0.14	<0.057	<0.056
1-Naphthylamine				<0.2 O2	<0.19 O2	<0.2 O2	<0.23 O2	<0.2 O2	<0.19 J3, O2	<0.19 O2	<0.2 O2	<0.19 O2	<0.19 O2
2-Naphthylamine				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19 J3	<0.19	<0.2	<0.19	<0.19
5-Nitroacenaphthene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2-Nitroaniline	31000	28		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
3-Nitroaniline				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
4-Nitroaniline	8200	2400		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Nitrobenzene	1000	140		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
4-Nitrobiphenyl				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
2-Nitrophenol				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2 J5	<0.19 J5	<0.19 J5
4-Nitrophenol	16000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
N-Nitrosodi-n-butylamine				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
N-Nitrosodi-n-propylamine	0.8	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
N-Nitrosopiperidine				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,2'-Oxybis (1-chloropropane)				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Pentachlorobenzene	6100	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Pentachloronitrobenzene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Pentachlorophenol	24	---		<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
Phenacetin				<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19	<0.19
Phenanthrene	61000	---		<0.058	0.65	<0.059	5.1	<0.059	1.1 J3	<0.057	1.8	0.19	0.13
Phenol	610000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2-Picoline				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Pronamide				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
Pyrene	61000	---		<0.058	0.88	<0.059	4	<0.059	1	<0.057	3.9	0.22	0.35
Pyridine	2000	200000		<0.2 O2	<0.19 O2	<0.2 O2	<0.23 O2	<0.2 O2	<0.19 O2	<0.19 O2	<0.2	<0.19	<0.19
Safrole				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
1,2,4,5-Tetrachlorobenzene				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,3,4,6-Tetrachlorophenol				<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
1,2,4-Trichlorobenzene	20000	3200		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,4,5-Trichlorophenol	200000	---		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056
2,4,6-Trichlorophenol	520	390		<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057	<0.056

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
alpha-BHC	0.9	1.5		<0.0023	<0.0022	<0.0021	<0.0026	<0.0024	<0.0022	<0.0023	<0.0024	<0.0024	<0.0023
beta-BHC				<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
delta-BHC				<0.0057	0.0079	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
gamma-BHC	4	---		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
alpha-Chlordane	16	140		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
gamma-Chlordane	16	140		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Dieldrin	0.4	2.2		<0.0023	0.003	<0.0021	<0.0026	<0.0024	0.008	<0.0023	<0.0024	<0.0024	<0.0023
p,p'-DDT	17	1500		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
p,p'-DDD	24	---		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
p,p'-DDE	17	---		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	0.0064	<0.0061	<0.0057
Endosulfan I	12000	---		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Endosulfan II				<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	0.0096	<0.0057	<0.006	<0.0061	<0.0057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922
Endosulfan sulfate				<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Endrin	610	---		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Endrin aldehyde				<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Endrin ketone				<0.0057	<0.0055	<0.0054	0.018	<0.0059	0.0071	<0.0057	0.012	<0.0061	<0.0057
Heptachlor	1	11		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Heptachlor epoxide	0.6	9.2		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Methoxychlor	10000	---		<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061	<0.0057
Toxaphene	5.2	170		<0.11	<0.11	<0.11	<0.13	<0.12	<0.11	<0.11	<0.12	<0.12	<0.11
Aroclor 1016	1			<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1221	1			<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1232	1			<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1242	1			<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1248	1			<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	0.12	<0.012	<0.011
Aroclor 1254	1			<0.011	0.23	<0.011	<0.013	<0.012	1.2	<0.011	0.18 J6	<0.012 J5	<0.011 J5
Aroclor 1260	1			<0.011	0.16	<0.011	<0.013	<0.012	<0.011	<0.011	0.096	<0.012	<0.011
PCB, Total	1								1.2				
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q	8.3 I, Q	8.4 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample #	23H1123-15	23H1123-17	23H1123-18	23H1123-13	23H1123-16	23H1123-19	23H1123-20	23H1144-05	23H1144-06	23H1144-07
				Sample Name	SB-40 (1-3')	SB-40 (3.5-5.5')	SB-40 (10-12') MS/MSD	SB-41 (1-2')	SB-41 (3-5')	SB-41 (8-9)	SB-41 (11-12')	SB-42 (0-2)	SB-42 (0-2) D	SB-42 (10-12)
				Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				Date sampled	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023
				Time sampled	2:50 PM	3:10 PM	3:15 PM	2:48 PM	2:55 PM	3:00 PM	3:20 PM	4:50 PM	4:50 PM	5:10 PM
				% Solids	87.58759	82.75175	76.99203	87.79527	94.4664		82.643	88.60511	90.04975	82.35867
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			12200	6670	16500	10200	16400		6180	9920	10700	8400
Antimony	82.00	---			<0.010	0.012	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010
Arsenic	61.00	25000.00			<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, I, J3	<0.010 B1	<0.010 B1	<0.010 B1
Barium	14000.00	870000.00			0.523	0.519	0.444	0.626	0.535	0.445	0.206	0.48	0.558	0.15
Beryllium	410.00	44000.00			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	41000.00	---			19	354	22.6	16.9	87.2		13	19.2	50	13.1
Cadmium	200.00	59000.00			<0.003	0.019 B2	<0.003	<0.003	0.032 B2	0.003 B2	<0.005	<0.005	<0.005 B2	<0.005
Calcium	---	---			62100	26800	17400	69200	36100		84900	61600	71400	58600
Chromium	4100.00	690.00			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			9.59	12	14	8.46	17.4		6.3	6.14	7.77	6.84
Copper	8200.00	---			28.8	4400	29.8	24.9	2690		17.5	140	312	19.5
Cyanide (amenable)	4100.00	---												
Cyanide					0.069	0.074	<0.039	<0.033	0.043		<0.033	0.088	0.117	<0.039
Hardness														
Iron	---	---			20600	36000	<1330	17600	50200		14600	14100	18000	17900
Lead	700.00	---			<0.005	0.306	<0.005	<0.005	0.269	<0.005	<0.005	<0.005	0.007	<0.005
Magnesium	730000.00	---			30100	12600	14100	34400	16900		44300	22500	30300	35000
Manganese	4100.00	8700.00			472	783	922	525	740		472	370	494	399
Mercury	61.00	0.10			0.03	0.04	0.02	0.03	0.09		0.01	0.04	0.08	0.01
Nickel	4100.00	440000.00			0.007	0.072	0.02	0.009	0.083	0.026	0.01	0.005	0.007	0.012
Potassium	---	---			3130	921	4060	2330	2180		2060	1700	2270	2360
Selenium	1000.00	---			0.034 J6	<0.025 J6	<0.025 J6	<0.025 J5	<0.025 J6	0.027 J5	<0.025	<0.025	<0.025	<0.025
Silver	1000.00	---			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Sodium	---	---			<233	2680	<265	<219	2270		<247	516	790	<243
Strontium	410000.00	---			35.4	42.7	22.7	37.1	67.2		33.7	34.8	43.1	27.3
Thallium	160.00	---			0.052 B2, V	0.037 B2, V	0.028 B2, V	0.056 B2, V	0.036 B2, V	0.041 B2, V	0.034 B2, J6, V	0.034 B2, J6, V	0.039 B2, J6, V	0.035 B2, J6, V
Vanadium	1400.00	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---			0.026 J6, V	15.2 J6	0.060 J6, V	<0.025 J5	10.9 J6	0.063 J6, V	<0.025	0.133	0.285	<0.025
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0046	<0.006	<0.0054	<0.0048	0.0053		<0.0047	<0.0045	<0.0046	0.0055
Benzene	100	1.6			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Bromobenzene	16000	810			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Bromochloroethene														
Bromochloromethane					<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Bromodichloromethane	92	3000			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Bromoform	720	100			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Bromomethane	2900	15			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
2-Butanone (MEK)	1000000	25000			<0.0046	<0.006	<0.0054	<0.0048	<0.0048		<0.0047	<0.0045	<0.0046	<0.0044
Carbon Disulfide	200000	720			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Carbon tetrachloride	44	0.64			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Chlorobenzene	41000	210			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Chloroethane	---	1500			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Chloroform	940	0.54			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Chloromethane	---	170			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Dibromochloromethane	92	3000			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,2-Dibromoethane					<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Dibromomethane					<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,1-Dichloroethane	200000	1700			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,2-Dichloroethane	63	0.7			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,1-Dichloroethene					<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
cis-1,2-Dichloroethene	20000	1200			<0.0018	<0.0024	0.0066	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
trans-1,2-Dichloroethene	41000	3100			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,1-Dichloropropene					<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,2-Dichloropropane	84	23			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,3-Dichloropropane	41000	1000			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
2,2-Dichloropropane					<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
cis-1,3-Dichloropropene	57	2.1			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
trans-1,3-Dichloropropene	57	2.1			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Ethylbenzene	200000	400			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
2-Hexanone (MBK)	10000	720			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Methylene Chloride	760	24			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Methyl tert-butyl ether	20000	8800			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
4-Methyl-2pentanone (MIBK)	---	340			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Stryene	410000	1500			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Tetrachloroethene	110	20			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Trichlorofluoromethane	61000	1400			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0045	<0.0046	<0.0044
Toluene	410000	650			<0.0018	0.0033	<0.0022	0.0035	0.0049		0.0026	0.003	<0.0018	<0.0017
1,1,1-Trichloroethane	---	1200			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,1,2-Trichloroethane	8200	1800			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,2,3-Trichloropropane	0.19	5			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,1,1,2-Tetrachloroethane	61000	2100			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Trichloroethene	520	8.9			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	0.0031	0.0023	0.0017
Vinyl chloride	7.9	1.1			<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018	<0.0017
Xylenes, Total	410000	320			<0.0018	<0.0024	<0.0022	<0.0019	0.0019		<0.0019	0.0036	0.0023	0.0022
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---			<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	0.14	<0.051 J1	<0.061
Acenaphthylene	61000	---			<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
Acetophenone					<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Anthracene	610000	---			<0.055	0.55	<0.062	<0.055	0.13		<0.057	0.36	0.093	<0.061
Azobenzene					<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Benzo(a)anthracene	8	---			0.16	1.3	<0.062	0.062	0.47		<0.057	0.95	0.38	<0.061
Benzo(b)fluoranthene	8	---			0.23	1.3	<0.062	0.089	0.66		<0.28	1.1	0.48	<0.061
Benzo(k)fluoranthene	78	---			0.097	0.38	<0.062	<0.055	0.27		<0.28	0.45	0.22	<0.061
Benzo(g,h,i)perylene	61000	---			0.11	0.51	<0.062	<0.055	0.27		<0.28	0.44	0.23	<0.061
Benzo(a)pyrene	0.8	---			0.17	0.84	<0.062	0.067	0.44		<0.28	0.87	0.38	<0.061
Bis(2-chloroethyl)ether	5	0.47			<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061

IEPA TACO TABLE

	E ACTION OBJECTIVE		Lab Sample #	23H1123-15	23H1123-17	23H1123-18	23H1123-13	23H1123-16	23H1123-19	23H1123-20	23H1144-05	23H1144-06	23H1144-07
			Sample Name	SB-40 (1-3')	SB-40 (3.5-5.5')	SB-40 (10-12') MS/MSD	SB-41 (1-2')	SB-41 (3-5')	SB-41 (8-9)	SB-41 (11-12')	SB-42 (0-2)	SB-42 (0-2) D	SB-42 (10-12)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023	8/21/2023
			Time sampled	2:50 PM	3:10 PM	3:15 PM	2:48 PM	2:55 PM	3:00 PM	3:20 PM	4:50 PM	4:50 PM	5:10 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	87.58759	82.75175	76.99203	87.79527	94.4664		82.643	88.60511	90.04975	82.35867
Bis(2-chloroethoxy)methane				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Bis(2-ethylhexyl)phthalate	410	31000		<0.19	<0.19	<0.21	<0.19	0.59		<0.19	<0.18	<0.17	<0.21
4-Bromophenyl phenyl ether				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Butyl benzyl phthalate	410000	930		<0.055	<0.057	<0.062	<0.055	0.061		<0.057	<0.052	<0.051	<0.061
Carbazole	290	---		<0.055	0.26	<0.062	<0.055	0.094		<0.057	0.096	0.064	<0.061
4-Chloro-3-methylphenol				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
4-Chloroaniline	8200	---		<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051	<0.061
1-Chloronaphthalene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
2-Chloronaphthalene	160000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
2-Chlorophenol	10000	53000		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
4-Chlorophenyl phenyl ether				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
Chrysene	780	---		0.18	1.6	<0.062	0.072	0.59		<0.057	0.97	0.41	<0.061
1,2-Dichlorobenzene	180000	560		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
1,3-Dichlorobenzene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
1,4-Dichlorobenzene	---	17000		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
2,4-Dichlorophenol	6100	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Di-n-butyl phthalate	200000	2300		<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
Di-n-octyl phthalate	41000	10000		<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	<0.18	<0.17	<0.21
1,2-Dinitrobenzene				<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17 J1	<0.21
1,3-Dinitrobenzene	200	---		<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17 J1	<0.21
1,4-Dinitrobenzene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
2,6-Dinitrotoluene	8.4	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
2,4-Dinitrophenol	4100	---		<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19	<0.18	<0.17 J1	<0.21
2,4-Dinitrotoluene	8.4	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
Dibenz(a,h)anthracene	0.8	---		<0.055	<0.29	<0.062	<0.055	<0.25		<0.28	0.08	<0.051	<0.061
Dibenzofuran	2000	---		<0.055	0.91	<0.062	<0.055	0.078		<0.057	0.089	<0.051 J1	<0.061
3,3'-Dichlorobenzidine	13	---		<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051	<0.061
2,6-Dichlorophenol				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Diethyl phthalate	1000000	2000		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
Dimethyl phthalate	1000000	1300		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
p-Dimethylaminoazobenzene				<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	<0.18	<0.17	<0.21
2,4-Dimethylphenol	41000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
4,6-Dinitro-2-methylphenol				<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
Diphenylamine	51000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Fluoranthene	82000	---		0.33	1.7	<0.062	0.12	1.3 J3		<0.057	2.4	0.95	<0.061
Fluorene	82000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	0.15	<0.051 J1	<0.061
Hexachlorobenzene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Hexachlorobutadiene	2000			<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Hexachlorocyclopentadiene				<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19	<0.18	<0.17 J1	<0.21
Hexachloroethane	2000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Hexachloropropene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Indeno(1,2,3-cd)pyrene	8	---		<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	0.47	0.25	<0.21
Isodrin				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Isophorone	410000	4600		<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
Isosafrole				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Mestranol				<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	<0.18	<0.17	<0.21
Ethyl methanesulfonate				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Methyl methanesulfonate				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
2-Methylnaphthalene	8200	---		<0.055	2.5	<0.062	<0.055	0.13		<0.057	<0.052	<0.051	<0.061
2-Methylphenol	100000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
4-Methylphenol	200000	170000		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Naphthalene	41000	270		<0.055	1.2	<0.062	<0.055	0.092		<0.057	<0.052	<0.051	<0.061
1-Naphthylamine				<0.19 O2	<0.19 O2	<0.21 O2	<0.19 O2	<0.17 J3, O2		<0.19 O2	<0.18 O2	<0.17 J1, O2	<0.21 O2
2-Naphthylamine				<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19	<0.18	<0.17 J1	<0.21
5-Nitroacenaphthene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
2-Nitroaniline	31000	28		<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17 J1	<0.21
3-Nitroaniline				<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051 J1	<0.061
4-Nitroaniline	8200	2400		<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051 J1	<0.061
Nitrobenzene	1000	140		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
4-Nitrobiphenyl				<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
2-Nitrophenol				<0.19 J5	<0.19 J5	<0.21 J5	<0.19 J5	<0.17 J5		<0.19 J5	<0.18 J5	<0.17 J5	<0.21 J5
4-Nitrophenol	16000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
N-Nitrosodi-n-butylamine				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
N-Nitrosodi-n-propylamine	0.8	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
N-Nitrosopiperidine				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
2,2'-Oxybis (1-chloropropane)				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Pentachlorobenzene	6100	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
Pentachloronitrobenzene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Pentachlorophenol	24	---		<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
Phenacetin				<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
Phenanthrene	61000	---		0.16	4.7	1.8	<0.055	0.67 J3		<0.057	1.8	0.63	<0.061
Phenol	610000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
2-Picoline				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Pronamide				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
Pyrene	61000	---		0.31	2.6	<0.062	0.12	1.3 J3		<0.057	1.9	0.83	<0.061
Pyridine	2000	200000		<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17	<0.21
Safrole				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
1,2,4,5-Tetrachlorobenzene				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
2,3,4,6-Tetrachlorophenol				<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
1,2,4-Trichlorobenzene	20000	3200		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051	<0.061
2,4,5-Trichlorophenol	200000	---		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061
2,4,6-Trichlorophenol	520	390		<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1	<0.061

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
alpha-BHC	0.9	1.5		<0.0023	<0.0024	<0.0026	<0.0023	<0.0021		<0.0024	<0.0022	<0.0022	<0.0024
beta-BHC				<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
delta-BHC				<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
gamma-BHC	4	---		<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
alpha-Chlordane	16	140		<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
gamma-Chlordane	16	140		<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
Dieldrin	0.4	2.2		<0.0023	<0.0024	<0.0026	<0.0023	<0.0021 J3		<0.0024	<0.0022	<0.0022	<0.0024
p,p'-DDT	17	1500		<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	0.0063	<0.006
p,p'-DDD	24	---		<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
p,p'-DDE	17	---		<0.0057	0.014	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
Endosulfan I	12000	---		<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
Endosulfan II				<0.0057	<0.006	<0.0065	<0.0057	0.0096 J3		<0.006	<0.0056	<0.0055	<0.006

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643	23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975	23H1144-07 SB-42 (10-12) Soil 8/21/2023 5:10 PM 82.35867
Endosulfan sulfate				<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
Endrin	610	---		<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
Endrin aldehyde				<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
Endrin ketone				<0.0057	0.033	<0.0065	<0.0057	0.0069 J3		<0.006	<0.0056	0.013	<0.006
Heptachlor	1	11		<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
Heptachlor epoxide	0.6	9.2		<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055	<0.006
Methoxychlor	10000	---		<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055	<0.006
Toxaphene	5.2	170		<0.11	<0.12	<0.13	<0.11	<0.11		<0.12	<0.11	<0.11	<0.12
Aroclor 1016	1			<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011	<0.012
Aroclor 1221	1			<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011	<0.012
Aroclor 1232	1			<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011	<0.012
Aroclor 1242	1			<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011	<0.012
Aroclor 1248	1			<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011	<0.012
Aroclor 1254	1			<0.011 J5	<0.012 J3, J5	<0.013 J5	<0.011 J5	0.84 J6		<0.012 J5	0.072 J6	0.16 J6	<0.012 J5
Aroclor 1260	1			<0.011	<0.012	<0.013	<0.011	0.52		<0.012	0.063	<0.011	<0.012
PCB, Total	1							1.36					
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q	8.5 I, Q	8.8 I, Q	8.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

	E ACTION OBJECTIVE		Lab Sample #	23H1123-21	23H1123-22	23H1144-10	23H1144-12	23H1144-03	23H1144-04	23H1144-14	23H1144-15	23H1144-08	23H1144-09
			Sample Name	SB-43 (4-5')	SB-43 (11-12')	SB-44 (4-6)	SB-44 (10-12)	SB-45 (2-3)	SB-45 (10-11)	SB-46 (4-6)	SB-46 (9-11)	SB-47 (1-2)	SB-47 (3-5)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION		Date sampled	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023
	WORKER		Time sampled	3:48 PM	3:52 PM	9:20 AM	9:30 AM	4:33 PM	4:55 PM	9:55 AM	10:05 AM	9:14 AM	9:29 AM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	88.95583	81.12094	80.65476	80.6	88.94422	82.74162	80.63873	80.2	90.00999	90.60939
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		10300	14200	6820	12400	19300	7120	8130	11700	9240	5970
Antimony	82.00	---		<0.010	<0.010	0.077	<0.010	0.075	<0.010	0.023	<0.010	<0.010	0.085
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1
Barium	14000.00	870000.00		0.494	0.809	1.09	0.286	2.27	0.233	0.802	0.169	0.319	1.09
Beryllium	410.00	44000.00		<0.001	<0.001	0.007	<0.001	0.017	<0.001	0.003	<0.001	<0.001	<0.001
Boron	41000.00	---		18.5	23.1	132	21.5	999	20.3	42	19.5	9.45	300
Cadmium	200.00	59000.00		0.004 B2	<0.005 B2	0.143 B2	<0.005	0.321 B2	<0.005	0.067 B2	<0.005	<0.005	0.090 B2
Calcium	---	---		91500	73000	30400	49100	29600	74100	6470	22700	24600	87300
Chromium	4100.00	690.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		9.66	8.97	12	6.08	26.3	7.82	32.8	7.08	8.87	7.12
Copper	8200.00	---		75.4	22.5	1730	11.6	26800	34.3	509	15.6	69	1140
Cyanide (amenable)	4100.00	---											
Cyanide				0.043	0.041	<0.038	<0.036	0.046 J3	<0.033	0.234	<0.033	<0.034	0.066
Hardness													
Iron	---	---		17200	27900	24100	12300	80400	16900	28800	16000	15200	27700
Lead	700.00	---		<0.005 V	<0.005	6.07	<0.005	17.8	<0.005	1.27	<0.005	<0.005	3.66
Magnesium	730000.00	---		47400	33100	13600	30900	12700	36200	2180	16100	13000	46800
Manganese	4100.00	8700.00		461	511	439	403	2490	393	369	204	549	541
Mercury	61.00	0.10		0.02	0.02	0.26	0.02	0.43	0.01	0.14	0.01	0.03	0.4
Nickel	4100.00	440000.00		0.077	0.022	0.341	0.009	0.458	0.016	0.271	0.009	0.006	0.093
Potassium	---	---		3010	4000	980	3410	1650	2060	505	3090	1710	981
Selenium	1000.00	---		<0.025 I, J3, J5	0.032	<0.025	<0.025	0.035	0.029	<0.025	<0.025	<0.025	0.026
Silver	1000.00	---		0.003	<0.003	<0.003	<0.003	0.004	<0.003	<0.003	<0.003	<0.003	<0.003
Sodium	---	---		393	447	1970	261	6690	250	582	<240	<222	1670
Strontium	410000.00	---		41.7	55.2	39.9	26	112	39.5	45.6	16.6	15.7	40.9
Thallium	160.00	---		<0.010 B1, I, J3	<0.010 B2, V	<0.010 B2, J5	0.034 B2, J6, V	<0.010 B2, J5	0.035 B2, J6, V	0.012 B2, J6, V	0.030 B2, J6, V	0.042 B2, J6, V	0.016 B2, J6, V
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---		0.219	<0.025	81.2	<0.025	182	<0.025	36.5	<0.025	<0.025	44.6
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0048	0.011	0.097	0.0087	<0.0051	<0.0051	<0.0096	<0.0052	<0.0046	<0.005
Benzene	100	1.6		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Bromobenzene	16000	810		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Bromochloroethene													
Bromochloromethane				<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Bromodichloromethane	92	3000		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Bromoform	720	100		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Bromomethane	2900	15		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
2-Butanone (MEK)	1000000	25000		<0.0048	<0.0049	0.018	<0.0047	<0.0051	<0.0051	<0.0096	<0.0052	<0.0046	<0.005
Carbon Disulfide	200000	720		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Carbon tetrachloride	44	0.64		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Chlorobenzene	41000	210		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Chloroethane	---	1500		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Chloroform	940	0.54		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Chloromethane	---	170		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Dibromochloromethane	92	3000		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,2-Dibromoethane				<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Dibromomethane				<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1-Dichloroethane	200000	1700		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,2-Dichloroethane	63	0.7		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1-Dichloroethene				<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
cis-1,2-Dichloroethene	20000	1200		<0.0019	<0.002	<0.0028	0.0041	0.0051	0.014	<0.0038	0.0026	<0.0018	<0.002
trans-1,2-Dichloroethene	41000	3100		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1-Dichloropropene				<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,2-Dichloropropane	84	23		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,3-Dichloropropane	41000	1000		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
2,2-Dichloropropane				<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
cis-1,3-Dichloropropene	57	2.1		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
trans-1,3-Dichloropropene	57	2.1		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Ethylbenzene	200000	400		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
2-Hexanone (MBK)	10000	720		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Methylene Chloride	760	24		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Methyl tert-butyl ether	20000	8800		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
4-Methyl-2pentanone (MIBK)	---	340		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Stryene	410000	1500		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Tetrachloroethene	110	20		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Trichlorofluoromethane	61000	1400		<0.0019	<0.002	<0.007	<0.0047	<0.0051	<0.0051	<0.0096	<0.0052	<0.0046	<0.005
Toluene	410000	650		0.0037	0.0076	0.0052	0.0055	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1,1-Trichloroethane	---	1200		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1,2-Trichloroethane	8200	1800		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,2,3-Trichloropropane	0.19	5		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1,1,2-Tetrachloroethane	61000	2100		<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0019	<0.002	0.0029	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Trichloroethene	520	8.9		<0.0019	<0.002	<0.0028	<0.0019	0.022	0.0064	<0.0038	<0.0021	<0.0018	<0.002
Vinyl chloride	7.9	1.1		<0.0019	0.015	<0.0028	0.031	<0.0021	<0.002	<0.0038	<0.0021	<0.0018	<0.002
Xylenes, Total	410000	320		<0.0019	0.002	0.0057	0.0039	0.0041	0.0026	0.0049	0.0026	0.0023	0.0026
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Acenaphthylene	61000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Acetophenone				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Anthracene	610000	---		<0.053	<0.06	0.08	<0.062	0.064	<0.06	0.37	<0.3	<0.056	<0.11
Azobenzene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Benzo(a)anthracene	8	---		0.098	<0.06	0.21	<0.062	0.22	<0.06	1.7	<0.06	0.12	0.22
Benzo(b)fluoranthene	8	---		<0.27	<0.06	0.31	<0.31	0.31	<0.06	1.7	<0.3	<0.28	<0.55
Benzo(k)fluoranthene	78	---		<0.27	<0.06	<0.31	<0.31	0.11	<0.06	0.46	<0.3	<0.28	<0.55
Benzo(g,h,i)perylene	61000	---		<0.27	<0.06	<0.31	<0.31	0.13	<0.06	1.2	<0.3	<0.28	<0.55
Benzo(a)pyrene	0.8	---		<0.27	<0.06	<0.31	<0.31	0.19	<0.06	1.9	<0.3	<0.28	<0.55
Bis(2-chloroethyl)ether	5	0.47		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11

IEPA TACO TABLE

	E ACTION OBJECTIVE		Lab Sample #	23H1123-21	23H1123-22	23H1144-10	23H1144-12	23H1144-03	23H1144-04	23H1144-14	23H1144-15	23H1144-08	23H1144-09
			Sample Name	SB-43 (4-5')	SB-43 (11-12')	SB-44 (4-6)	SB-44 (10-12)	SB-45 (2-3)	SB-45 (10-11)	SB-46 (4-6)	SB-46 (9-11)	SB-47 (1-2)	SB-47 (3-5)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/22/2023
			Time sampled	3:48 PM	3:52 PM	9:20 AM	9:30 AM	4:33 PM	4:55 PM	9:55 AM	10:05 AM	9:14 AM	9:29 AM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	88.95583	81.12094	80.65476	80.6	88.94422	82.74162	80.63873	80.2	90.00999	90.60939
Bis(2-chloroethoxy)methane				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Bis(2-ethylhexyl)phthalate	410	31000		<0.18	<0.2	0.54	<0.21	<0.19	<0.2	<0.99	<0.2	<0.19	<0.37
4-Bromophenyl phenyl ether				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Butyl benzyl phthalate	410000	930		<0.053	<0.06	0.071	<0.062	<0.056	<0.06	<0.29	<0.06	<0.056	<0.11
Carbazole	290	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	0.19	<0.3	<0.056	<0.11
4-Chloro-3-methylphenol				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
4-Chloroaniline	8200	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
1-Chloronaphthalene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2-Chloronaphthalene	160000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2-Chlorophenol	10000	53000		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
4-Chlorophenyl phenyl ether				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Chrysene	780	---		0.1	<0.06	0.3	<0.062	0.3	<0.06	2.7	<0.06	0.15	0.26
1,2-Dichlorobenzene	180000	560		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
1,3-Dichlorobenzene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
1,4-Dichlorobenzene	---	17000		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,4-Dichlorophenol	6100	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Di-n-butyl phthalate	200000	2300		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19	<0.37
Di-n-octyl phthalate	41000	10000		<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94	<1.9
1,2-Dinitrobenzene				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
1,3-Dinitrobenzene	200	---		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
1,4-Dinitrobenzene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,6-Dinitrotoluene	8.4	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,4-Dinitrophenol	4100	---		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
2,4-Dinitrotoluene	8.4	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Dibenz(a,h)anthracene	0.8	---		<0.27	<0.06	<0.31	<0.31	<0.056	<0.06	0.57	<0.3	<0.28	<0.55
Dibenzofuran	2000	---		<0.053	<0.06	0.1	<0.062	0.065	<0.06	0.36	<0.06	<0.056	<0.11
3,3'-Dichlorobenzidine	13	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.29	<0.06	<0.056	<0.11
2,6-Dichlorophenol				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Diethyl phthalate	1000000	2000		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Dimethyl phthalate	1000000	1300		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
p-Dimethylaminoazobenzene				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.99	<0.2	<0.19	<0.37
7,12-Dimethylbenzo(a)anthracene				<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94	<1.9
2,4-Dimethylphenol	41000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
4,6-Dinitro-2-methylphenol				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19	<0.37
Diphenylamine	51000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Fluoranthene	82000	---		0.19	<0.06	0.41	<0.062	0.45	<0.06	1.3	<0.3	0.28	0.4
Fluorene	82000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	0.12	<0.06	<0.056	<0.11
Hexachlorobenzene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Hexachlorobutadiene	2000			<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Hexachlorocyclopentadiene				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
Hexachloroethane	2000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Hexachloropropene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Indeno(1,2,3-cd)pyrene	8	---		<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94	<1.9
Isodrin				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Isophorone	410000	4600		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
Isosafrole				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Mestranol				<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94	<1.9
Ethyl methanesulfonate				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Methyl methanesulfonate				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2-Methylnaphthalene	8200	---		<0.053	<0.06	0.34	<0.062	0.14	<0.06	1.1	<0.06	<0.056	<0.11
2-Methylphenol	100000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
4-Methylphenol	200000	170000		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Naphthalene	41000	270		<0.053	<0.06	0.24	<0.062	0.096	<0.06	0.6	<0.06	<0.056	<0.11
1-Naphthylamine				<0.18 O2	<0.2 O2	<0.21 O2	<0.21 O2	<0.19 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.19 O2	<0.37 O2
2-Naphthylamine				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
5-Nitroacenaphthene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
2-Nitroaniline	31000	28		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19	<0.37
3-Nitroaniline				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
4-Nitroaniline	8200	2400		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Nitrobenzene	1000	140		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
4-Nitrobiphenyl				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19	<0.37
2-Nitrophenol				<0.18 J5	<0.2 J5	<0.21 J5	<0.21 J5	<0.19 J5	<0.2 J5	<0.2	<0.2	<0.19 J5	<0.37 J5
4-Nitrophenol	16000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
N-Nitrosodi-n-butylamine				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
N-Nitrosodi-n-propylamine	0.8	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
N-Nitrosopiperidine				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,2'-Oxybis (1-chloropropane)				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Pentachlorobenzene	6100	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Pentachloronitrobenzene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Pentachlorophenol	24	---		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19	<0.37
Phenacetin				<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19	<0.37
Phenanthrene	61000	---		0.12	<0.06	0.52	<0.062	0.51	<0.06	3.4	<0.3	0.11	0.31
Phenol	610000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2-Picoline				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
Pronamide				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056	<0.11
Pyrene	61000	---		0.19	<0.06	0.51	<0.062	0.48	<0.06	1.8	<0.06	0.23	0.54
Pyridine	2000	200000		<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2 O2	<0.2 O2	<0.19	<0.37
Safrole				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
1,2,4,5-Tetrachlorobenzene				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,3,4,6-Tetrachlorophenol				<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
1,2,4-Trichlorobenzene	20000	3200		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,4,5-Trichlorophenol	200000	---		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11
2,4,6-Trichlorophenol	520	390		<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056	<0.11

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
alpha-BHC	0.9	1.5		<0.0022	<0.0025	0.0028	<0.0025	<0.0022	<0.0024	<0.0023	<0.0024	<0.0022	<0.0022
beta-BHC				<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
delta-BHC				<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
gamma-BHC	4	---		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
alpha-Chlordane	16	140		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
gamma-Chlordane	16	140		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Dieldrin	0.4	2.2		<0.0022	<0.0025	0.008	<0.0025	0.013	<0.0024	<0.0023	<0.0024	<0.0022	<0.0022
p,p'-DDT	17	1500		<0.0056	<0.0062	<0.12	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	0.0098	<0.0055
p,p'-DDD	24	---		<0.0056	<0.0062	0.27	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
p,p'-DDE	17	---		<0.0056	<0.0062	0.21	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	0.057	<0.0055
Endosulfan I	12000	---		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Endosulfan II				<0.0056	<0.0062	<0.0062	<0.0062	0.018	<0.006	<0.0058	<0.0061	<0.0055	<0.0055

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIV CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-21 SB-43 (4-5') Soil 8/21/2023 3:48 PM 88.95583	23H1123-22 SB-43 (11-12') Soil 8/21/2023 3:52 PM 81.12094	23H1144-10 SB-44 (4-6) Soil 8/22/2023 9:20 AM 80.65476	23H1144-12 SB-44 (10-12) Soil 8/22/2023 9:30 AM 80.6	23H1144-03 SB-45 (2-3) Soil 8/21/2023 4:33 PM 88.94422	23H1144-04 SB-45 (10-11) Soil 8/21/2023 4:55 PM 82.74162	23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939
Endosulfan sulfate				<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Endrin	610	---		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Endrin aldehyde				<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Endrin ketone				<0.0056	<0.0062	0.017	<0.0062	0.0092	<0.006	0.019	<0.0061	<0.0055	<0.0055
Heptachlor	1	11		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Heptachlor epoxide	0.6	9.2		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Methoxychlor	10000	---		<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055	<0.0055
Toxaphene	5.2	170		<0.11	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<0.11	<0.11
Aroclor 1016	1			<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1221	1			<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1232	1			<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1242	1			<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1248	1			<0.011	<0.012	0.51	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1254	1			<0.011 J5	<0.012 J5	0.65 J6	<0.012 J5	1.8 J6	<0.012 J5	<0.012 J3	<0.012	<0.011 J5	<0.011 J5
Aroclor 1260	1			<0.011	<0.012	0.65	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	0.067
PCB, Total	1					1.81		1.8					
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q	7.7 I, Q	8.0 I, Q	8.2 I, Q	8.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		13800	12500	3670	9380	7170	10500	8720	5990	9600	12400
Antimony	82.00	---		<0.010	<0.010	0.071	<0.010	<0.010	<0.010	0.058	<0.010	0.019	<0.010
Arsenic	61.00	25000.00		<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1, I	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1
Barium	14000.00	870000.00		0.487	0.433	1.4	0.706	0.587	0.671	1.73	0.23	1.7	0.636
Beryllium	410.00	44000.00		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
Boron	41000.00	---		19.1	28.8	13.8	19.3	87.2	21.4	507	18.9	43.3 J3	24.6
Cadmium	200.00	59000.00		<0.005 B2	<0.005	0.633	<0.005	0.030 B2	<0.005	0.495	0.014	0.011	<0.005
Calcium	---	---		34100	65700	1860	100000	94300	79200	11900	79900	4660	78300
Chromium	4100.00	690.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		8.93	10.4	5.22	8.4	7.35	8.92	11.7	7.75	17.8 J3	10.3
Copper	8200.00	---		26.1	55.1	24200	46	1880	19.9	53300	35.5	943	23.3
Cyanide (amenable)	4100.00	---											
Cyanide				<0.033	<0.036	0.042	<0.032	1.02	<0.031	0.045 J3	<0.034 J3	0.111	<0.035
Hardness													
Iron	---	---		20900	21600	17900	15100	19100	16500	38800	12800	51100	17700
Lead	700.00	---		0.009	<0.005	51.3	0.006	0.125	<0.005	26.2	0.007	143	0.012
Magnesium	730000.00	---		23100	32200	962	50600	49000	39100	4740	42300	1310	37700
Manganese	4100.00	8700.00		325	720	158	578	535	486	1210	553	151	503
Mercury	61.00	0.10		0.02	0.08	1.31	0.01	0.04	0.01	1.07	0.02	0.02 J3	0.02
Nickel	4100.00	440000.00		0.016	0.011	0.089	0.058	0.072	0.047	0.382	0.01	0.023	0.084
Potassium	---	---		3730	2650	443	3430	1290	3690	766	2330	1360	4270
Selenium	1000.00	---		<0.025	<0.025 J5	<0.025 J5	<0.025 J5	<0.025	<0.025 J3, J5	0.025 J6	<0.025 J5	<0.025 J5	<0.025 J5
Silver	1000.00	---		<0.003	0.004	<0.003	0.006	<0.003	0.005	<0.003	0.006	<0.003	0.005
Sodium	---	---		<242	316	<256	244	674	<232	2550	274	632	263
Strontium	410000.00	---		27.3	36.2	25.9	65.4	41.8	58.8	35.8	28.8	35	56.3
Thallium	160.00	---		<0.010 B2, J5	<0.025 B1	<0.025 B1	<0.025 B1	0.026 B2, J6, V	<0.025 B1, I	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---		0.619	0.074	93.1	0.062	7.2	<0.025	137	0.121	6.65	0.047
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		0.011	<0.0047	<0.0053	0.01	<0.0043	<0.0042	<0.005	<0.0044	<0.0054	<0.0041
Benzene	100	1.6		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Bromobenzene	16000	810		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Bromochloroethene													
Bromochloromethane				<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Bromodichloromethane	92	3000		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Bromoform	720	100		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Bromomethane	2900	15		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
2-Butanone (MEK)	1000000	25000		<0.0049	<0.0047	<0.0053	<0.0042	<0.0043	<0.0042	<0.005	<0.0044	<0.0054	<0.0041
Carbon Disulfide	200000	720		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Carbon tetrachloride	44	0.64		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Chlorobenzene	41000	210		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Chloroethane	---	1500		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Chloroform	940	0.54		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Chloromethane	---	170		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Dibromochloromethane	92	3000		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,2-Dibromoethane				<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Dibromomethane				<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016 J3
1,1-Dichloroethane	200000	1700		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,2-Dichloroethane	63	0.7		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,1-Dichloroethene				<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
cis-1,2-Dichloroethene	20000	1200		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
trans-1,2-Dichloroethene	41000	3100		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,1-Dichloropropene				<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,2-Dichloropropane	84	23		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,3-Dichloropropane	41000	1000		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016 J3
2,2-Dichloropropane				<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
cis-1,3-Dichloropropene	57	2.1		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
trans-1,3-Dichloropropene	57	2.1		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Ethylbenzene	200000	400		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
2-Hexanone (MBK)	10000	720		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	0.0071	0.0024	<0.0022	<0.0016
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Methylene Chloride	760	24		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Methyl tert-butyl ether	20000	8800		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
4-Methyl-2pentanone (MIBK)	---	340		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	0.0034	<0.0018	<0.0022	<0.0016
Stryene	410000	1500		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Tetrachloroethene	110	20		<0.002	<0.0019	<0.0021	<0.0017	0.004	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Trichlorofluoromethane	61000	1400		<0.0049	<0.0047	<0.0053	<0.0042		<0.0042	<0.002	<0.0018	<0.0022	<0.0016 J3
Toluene	410000	650		0.0054	0.0034	<0.0021	0.0021	<0.0017	<0.0017	<0.002	0.0024	<0.0022	0.0017
1,1,1-Trichloroethane	---	1200		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,1,2-Trichloroethane	8200	1800		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,2,3-Trichloropropane	0.19	5		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016 J3
1,1,1,2-Tetrachloroethane	61000	2100		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
1,1,2,2-Tetrachloroehtane	12000	2000		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Trichloroethene	520	8.9		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Vinyl chloride	7.9	1.1		<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022	<0.0016
Xylenes, Total	410000	320		0.004	0.0026	0.0027	0.0022	<0.0017	0.0021	0.0021	<0.0018	<0.0022	<0.0016
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	0.094	<0.057
Acenaphthylene	61000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Acetophenone				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Anthracene	610000	---		<0.054	<0.059	0.078	<0.053	0.13	<0.29	0.088	<0.055	0.25	<0.057
Azobenzene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Benzo(a)anthracene	8	---		<0.054	<0.059	0.28	<0.053	0.95	<0.058	0.32	<0.055	0.39	<0.057
Benzo(b)fluoranthene	8	---		<0.054	<0.059	0.44	<0.053	1.7	<0.29	0.57	<0.055	0.38	<0.057
Benzo(k)fluoranthene	78	---		<0.054	<0.059	0.15	<0.053	0.61	<0.29	0.18	<0.055	0.12	<0.057
Benzo(g,h,i)perylene	61000	---		<0.054	<0.059	0.16	<0.053	0.75	<0.29	0.19	<0.055	0.1	<0.057
Benzo(a)pyrene	0.8	---		<0.054	<0.059	0.27	<0.053	1.3	<0.29	0.3	<0.055	0.28	<0.057
Bis(2-chloroethyl)ether	5	0.47		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843
Bis(2-chloroethoxy)methane				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Bis(2-ethylhexyl)phthalate	410	31000		<0.18	<0.2	<0.21	<0.18	<0.88	<0.2	<0.19	<0.19	<0.21	<0.19
4-Bromophenyl phenyl ether				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Butyl benzyl phthalate	410000	930		<0.054	<0.059	<0.062	<0.053	<0.26	<0.058	<0.056	<0.055	<0.062	<0.057
Carbazole	290	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	0.078	<0.057
4-Chloro-3-methylphenol				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
4-Chloroaniline	8200	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
1-Chloronaphthalene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2-Chloronaphthalene	160000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2-Chlorophenol	10000	53000		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
4-Chlorophenyl phenyl ether				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Chrysene	780	---		<0.054	<0.059	0.35	<0.053	1.2	<0.058	0.44	<0.055	0.49	<0.057
1,2-Dichlorobenzene	180000	560		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
1,3-Dichlorobenzene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
1,4-Dichlorobenzene	---	17000		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,4-Dichlorophenol	6100	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Di-n-butyl phthalate	200000	2300		<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21	<0.19
Di-n-octyl phthalate	41000	10000		<0.18	<0.2	<0.21	<0.18	<0.88	<0.98	<0.19	<0.19	<0.21	<0.19
1,2-Dinitrobenzene				<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
1,3-Dinitrobenzene	200	---		<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
1,4-Dinitrobenzene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,6-Dinitrotoluene	8.4	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,4-Dinitrophenol	4100	---		<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
2,4-Dinitrotoluene	8.4	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Dibenz(a,h)anthracene	0.8	---		<0.054	<0.059	<0.062	<0.053	<0.26	<0.29	<0.056	<0.055	<0.062	<0.057
Dibenzofuran	2000	---		<0.054	<0.059	0.074	<0.053	<0.052	<0.058	<0.056	<0.055	0.1	<0.057
3,3'-Dichlorobenzidine	13	---		<0.054	<0.059	<0.062	<0.053	<0.26	<0.058	<0.056	<0.055	<0.062	<0.057
2,6-Dichlorophenol				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Diethyl phthalate	1000000	2000		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Dimethyl phthalate	1000000	1300		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
p-Dimethylaminoazobenzene				<0.18	<0.2	<0.21	<0.18	<0.88	<0.2	<0.19	<0.19	<0.21	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.18	<0.2	<0.21	<0.18	<0.88	<0.98	<0.19	<0.19	<0.21	<0.19
2,4-Dimethylphenol	41000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
4,6-Dinitro-2-methylphenol				<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21	<0.19
Diphenylamine	51000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Fluoranthene	82000	---		<0.054	<0.059	0.46	<0.053	1.4	<0.29	0.65	<0.055	0.97	<0.057
Fluorene	82000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	0.13	<0.057
Hexachlorobenzene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Hexachlorobutadiene	2000			<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Hexachlorocyclopentadiene				<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
Hexachloroethane	2000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Hexachloropropene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Indeno(1,2,3-cd)pyrene	8	---		<0.18	<0.2	<0.21	<0.18	0.89	<0.98	0.22	<0.19	<0.21	<0.19
Isodrin				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Isophorone	410000	4600		<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
Isosafrole				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Mestranol				<0.18	<0.2	<0.21	<0.18	<0.88	<0.98	<0.19	<0.19	<0.21	<0.19
Ethyl methanesulfonate				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Methyl methanesulfonate				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2-Methylnaphthalene	8200	---		<0.054	<0.059	0.4	<0.053	0.1	<0.058	0.079	<0.055	0.26	<0.057
2-Methylphenol	100000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
4-Methylphenol	200000	170000		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	0.077	<0.057
Naphthalene	41000	270		<0.054	<0.059	0.31	<0.053	0.056	<0.058	0.089	<0.055	0.36	<0.057
1-Naphthylamine				<0.18 O2	<0.2 O2	<0.21 O2	<0.18 O2	<0.18 O2	<0.2 O2	<0.19 O2	<0.19 O2	<0.21 O2	<0.19 O2
2-Naphthylamine				<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
5-Nitroacenaphthene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
2-Nitroaniline	31000	28		<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
3-Nitroaniline				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
4-Nitroaniline	8200	2400		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Nitrobenzene	1000	140		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
4-Nitrobiphenyl				<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21	<0.19
2-Nitrophenol				<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21	<0.19
4-Nitrophenol	16000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
N-Nitrosodi-n-butylamine				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
N-Nitrosodi-n-propylamine	0.8	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
N-Nitrosopiperidine				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,2'-Oxybis (1-chloropropane)				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Pentachlorobenzene	6100	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Pentachloronitrobenzene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Pentachlorophenol	24	---		<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21	<0.19
Phenacetin				<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21	<0.19
Phenanthrene	61000	---		<0.054	<0.059	0.56	<0.053	0.59	<0.29	0.57	<0.055	1.8	<0.057
Phenol	610000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2-Picoline				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
Pronamide				<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062	<0.057
Pyrene	61000	---		<0.054	<0.059	0.41	<0.053	1.2	<0.058	0.49	<0.055	0.85	<0.057
Pyridine	2000	200000		<0.18 O2	<0.2	<0.21	<0.18	<0.18 O2	<0.2 O2	<0.19	<0.19	<0.21	<0.19
Safrole				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
1,2,4,5-Tetrachlorobenzene				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,3,4,6-Tetrachlorophenol				<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
1,2,4-Trichlorobenzene	20000	3200		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,4,5-Trichlorophenol	200000	---		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057
2,4,6-Trichlorophenol	520	390		<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062	<0.057

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055
alpha-BHC	0.9	1.5		<0.0021	<0.0022	<0.0025	<0.0022	<0.0021	<0.0021	<0.0022	<0.0022	<0.0025	<0.0022
beta-BHC				<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
delta-BHC				<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
gamma-BHC	4	---		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
alpha-Chlordane	16	140		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
gamma-Chlordane	16	140		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055
Dieldrin	0.4	2.2		<0.0021	<0.0022	<0.0025	<0.0022	0.011	<0.0021	0.0098	<0.0022	<0.0025	<0.0022
p,p'-DDT	17	1500		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055
p,p'-DDD	24	---		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	0.0081 J3	<0.0055	<0.0063	<0.0055
p,p'-DDE	17	---		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	0.013 J3	<0.0055	<0.0063	<0.0055
Endosulfan I	12000	---		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
Endosulfan II				<0.0053	<0.0056	<0.0063	<0.0054	0.0077	<0.0053	0.025	<0.0055	<0.0063	<0.0055

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843
Endosulfan sulfate				<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
Endrin	610	---		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
Endrin aldehyde				<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055
Endrin ketone				<0.0053	<0.0056	<0.0063	<0.0054	0.0075	<0.0053	<0.0056 J3	<0.0055	0.0071	<0.0055
Heptachlor	1	11		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063	<0.0055
Heptachlor epoxide	0.6	9.2		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
Methoxychlor	10000	---		<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063	<0.0055
Toxaphene	5.2	170		<0.11	<0.11	<0.13	<0.11	<0.1	<0.11	<0.11	<0.11	<0.13	<0.11
Aroclor 1016	1			<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013	<0.011
Aroclor 1221	1			<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013	<0.011
Aroclor 1232	1			<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013	<0.011
Aroclor 1242	1			<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013	<0.011
Aroclor 1248	1			<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013	<0.011
Aroclor 1254	1			<0.011	0.21	<0.013	<0.011	1.7	<0.011	0.94	<0.011	<0.013	<0.011
Aroclor 1260	1			<0.011	0.16	<0.013	<0.011	<0.01	<0.011	0.88	<0.011	<0.013	<0.011
PCB, Total	1							1.7		1.82			
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q	8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q	8.5 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			6640	14100	15100	13100	10200	7450	6250	13200	4540	11900
Antimony	82.00	---			0.072	<0.010	<0.010	<0.010	0.036	<0.010	0.064	<0.010	0.014	<0.010
Arsenic	61.00	25000.00			<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1	<0.010 B1
Barium	14000.00	870000.00			1.52	0.81	0.55	0.538	0.867	0.318	1.36	0.398	0.392	0.489
Beryllium	410.00	44000.00			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	41000.00	---			21.5	17.5	18.9	18.5	110	15.3	29.3	21	33.4	24.8
Cadmium	200.00	59000.00			0.471	<0.005	<0.005	<0.005	1.29	1.35	0.715	<0.005	0.055	<0.005
Calcium	---	---			8160	5310	40400	56500	48800	61500	5450	61600	81500	67800
Chromium	4100.00	690.00			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			7.35	19.7	13.5	8.87	24.9	9.62	9.24	7.99	8.16	11.1
Copper	8200.00	---			14500	25.7	88.4	122	5590	23.2	20700	32	356	21.4
Cyanide (amenable)	4100.00	---												
Cyanide					0.182	<0.036	0.07	0.066	0.114	<0.031	0.269	<0.033	<0.034	<0.034
Hardness														
Iron	---	---			18300	33500	22500	19000	28400	27800	26300	15600	16600	20800
Lead	700.00	---			42.3	0.028	0.012	0.006	11.4	0.011	38.4	0.007	0.389	0.013
Magnesium	730000.00	---			3900	6740	21100	31000	22500	35300	2230	36000	40700	35100
Manganese	4100.00	8700.00			453	1340	512	418	672	490	424	458	453	532
Mercury	61.00	0.10			0.7	0.01	0.22	0.15	1.32	0.01	0.5	0.02	0.02	0.01
Nickel	4100.00	440000.00			0.151	0.026	0.022	0.019	4.07	0.022	0.2	0.009	0.045	0.015
Potassium	---	---			745	2890	2830	2760	1550	2060	540	3290	1150	3940
Selenium	1000.00	---			0.027 J6	0.027 J6	<0.025 J5	<0.025 J5	0.031 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.030 J6	<0.025 J5
Silver	1000.00	---			<0.003	<0.003	0.004	0.004	0.003	0.003	<0.003	0.003	0.004	0.004
Sodium	---	---			<273	255	599	554	1710	401	397	342	489	295
Strontium	410000.00	---			28.2	17.1	27.4	33.8	66.4	31	55.8	35.7	36.3	46.7
Thallium	160.00	---			<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---			83.5	0.372	0.367	0.21	89.1	7.1	128	0.12	40.5	1.22
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0068	<0.0049	<0.0044	<0.0048	0.008	0.015	0.014	0.01	0.013	<0.0047
Benzene	100	1.6			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Bromobenzene	16000	810			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Bromochloroethene														
Bromochloromethane					<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Bromodichloromethane	92	3000			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Bromoform	720	100			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Bromomethane	2900	15			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
2-Butanone (MEK)	1000000	25000			<0.0068	<0.0049	<0.0044	<0.0048	<0.0055	<0.0057	<0.0061	<0.0049	<0.0046	<0.0047
Carbon Disulfide	200000	720			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Carbon tetrachloride	44	0.64			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Chlorobenzene	41000	210			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Chloroethane	---	1500			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Chloroform	940	0.54			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Chloromethane	---	170			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Dibromochloromethane	92	3000			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,2-Dibromoethane					<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Dibromomethane					<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1-Dichloroethane	200000	1700			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,2-Dichloroethane	63	0.7			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1-Dichloroethene					<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
cis-1,2-Dichloroethene	20000	1200			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	0.011	0.0029
trans-1,2-Dichloroethene	41000	3100			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1-Dichloropropene					<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,2-Dichloropropane	84	23			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,3-Dichloropropane	41000	1000			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
2,2-Dichloropropane					<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
cis-1,3-Dichloropropene	57	2.1			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
trans-1,3-Dichloropropene	57	2.1			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Ethylbenzene	200000	400			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
2-Hexanone (MBK)	10000	720			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	0.0032	0.0021	<0.0018	<0.0019
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Methylene Chloride	760	24			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	0.0025	<0.002	<0.0018	<0.0019
Methyl tert-butyl ether	20000	8800			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
4-Methyl-2pentanone (MIBK)	---	340			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Stryene	410000	1500			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Tetrachloroethene	110	20			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Trichlorofluoromethane	61000	1400			<0.0027	<0.0019	<0.0017	<0.0019			<0.0024	0.0082	0.0043	
Toluene	410000	650			<0.0027	<0.0019	<0.0017	0.0053	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1,1-Trichloroethane	---	1200			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1,2-Trichloroethane	8200	1800			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,2,3-Trichloropropane	0.19	5			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1,1,2-Tetrachloroethane	61000	2100			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Trichloroethene	520	8.9			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018	<0.0019
Vinyl chloride	7.9	1.1			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	0.0051	0.004
Xylenes, Total	410000	320			<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	0.002	<0.0018	<0.0019
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---			0.1	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Acenaphthylene	61000	---			<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Acetophenone					<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Anthracene	610000	---			0.36	<0.058	<0.053	<0.056	<0.054	<0.054	0.23	<0.064	<0.052	<0.056
Azobenzene					<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Benzo(a)anthracene	8	---			0.91	<0.058	0.14	<0.056	0.076	<0.054	0.64	<0.064	<0.052	<0.056
Benzo(b)fluoranthene	8	---			1	<0.058	0.22	<0.056	0.12	<0.054	0.77	<0.064	<0.052	<0.056
Benzo(k)fluoranthene	78	---			0.37	<0.058	0.085	<0.056	<0.054	<0.054	0.32	<0.064	<0.052	<0.056
Benzo(g,h,i)perylene	61000	---			0.3	<0.058	0.069	<0.056	<0.054	<0.054	0.22	<0.064	<0.052	<0.056
Benzo(a)pyrene	0.8	---			0.79	<0.058	0.16	<0.056	0.084	<0.054	0.6	<0.064	<0.052	<0.056
Bis(2-chloroethyl)ether	5	0.47			<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439
Bis(2-chloroethoxy)methane				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Bis(2-ethylhexyl)phthalate	410	31000		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
4-Bromophenyl phenyl ether				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Butyl benzyl phthalate	410000	930		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Carbazole	290	---		0.14	<0.058	<0.053	<0.056	<0.054	<0.054	0.098	<0.064	<0.052	<0.056
4-Chloro-3-methylphenol				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
4-Chloroaniline	8200	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
1-Chloronaphthalene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2-Chloronaphthalene	160000	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2-Chlorophenol	10000	53000		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
4-Chlorophenyl phenyl ether				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Chrysene	780	---		1	<0.058	0.17	<0.056	0.11	<0.054	0.71	<0.064	<0.052	<0.056
1,2-Dichlorobenzene	180000	560		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
1,3-Dichlorobenzene				<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
1,4-Dichlorobenzene	---	17000		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,4-Dichlorophenol	6100	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Di-n-butyl phthalate	200000	2300		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Di-n-octyl phthalate	41000	10000		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
1,2-Dinitrobenzene				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
1,3-Dinitrobenzene	200	---		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
1,4-Dinitrobenzene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,6-Dinitrotoluene	8.4	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,4-Dinitrophenol	4100	---		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
2,4-Dinitrotoluene	8.4	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Dibenz(a,h)anthracene	0.8	---		0.09	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Dibenzofuran	2000	---		0.15	<0.058	<0.053	<0.056	<0.054	<0.054	0.09	<0.064	<0.052	<0.056
3,3'-Dichlorobenzidine	13	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,6-Dichlorophenol				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Diethyl phthalate	1000000	2000		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Dimethyl phthalate	1000000	1300		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
p-Dimethylaminoazobenzene				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
2,4-Dimethylphenol	41000	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
4,6-Dinitro-2-methylphenol				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Diphenylamine	51000	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Fluoranthene	82000	---		1.9	<0.058	0.3	<0.056	0.18	<0.054	1.3	<0.064	<0.052	<0.056
Fluorene	82000	---		0.1	<0.058	<0.053	<0.056	<0.054	<0.054	0.069	<0.064	<0.052	<0.056
Hexachlorobenzene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Hexachlorobutadiene	2000			<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Hexachlorocyclopentadiene				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Hexachloroethane	2000	---		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Hexachloropropene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Indeno(1,2,3-cd)pyrene	8	---		0.35	<0.2	<0.18	<0.19	<0.18	<0.18	0.27	<0.22	<0.18	<0.19
Isodrin				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Isophorone	410000	4600		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Isosafrole				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Mestranol				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Ethyl methanesulfonate				<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Methyl methanesulfonate				<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2-Methylnaphthalene	8200	---		0.15	<0.058	<0.053	<0.056	<0.054	<0.054	0.063	<0.064	<0.052	<0.056
2-Methylphenol	100000	---		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
4-Methylphenol	200000	170000		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Naphthalene	41000	270		0.21	<0.058	<0.053	<0.056	<0.054	<0.054	0.092	<0.064	<0.052	<0.056
1-Naphthylamine				<0.22 O2	<0.2 O2	<0.18 O2	<0.19 O2	<0.18 O2	<0.18 O2	<0.21 O2	<0.22 O2	<0.18 O2	<0.19 O2
2-Naphthylamine				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
5-Nitroacenaphthene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2-Nitroaniline	31000	28		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
3-Nitroaniline				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
4-Nitroaniline	8200	2400		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Nitrobenzene	1000	140		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
4-Nitrobiphenyl				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
2-Nitrophenol				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
4-Nitrophenol	16000	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
N-Nitrosodi-n-butylamine				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
N-Nitrosodi-n-propylamine	0.8	---		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
N-Nitrosopiperidine				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,2'-Oxybis (1-chloropropane)				<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Pentachlorobenzene	6100	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Pentachloronitrobenzene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Pentachlorophenol	24	---		<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Phenacetin				<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Phenanthrene	61000	---		1.9	<0.058	0.14	<0.056	0.13	<0.054	1.1	<0.064	<0.052	<0.056
Phenol	610000	---		<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2-Picoline				<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Pronamide				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
Pyrene	61000	---		1.5	<0.058	0.24	<0.056	0.14	<0.054	0.97	<0.064	<0.052	<0.056
Pyridine	2000	200000		<0.22	<0.2	<0.18	<0.19 J1	<0.18	<0.18	<0.21	<0.22	<0.18	<0.19
Safrole				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
1,2,4,5-Tetrachlorobenzene				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,3,4,6-Tetrachlorophenol				<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
1,2,4-Trichlorobenzene	20000	3200		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,4,5-Trichlorophenol	200000	---		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056
2,4,6-Trichlorophenol	520	390		<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052	<0.056

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
alpha-BHC	0.9	1.5		<0.0027	<0.0022	<0.0023	<0.0022	<0.0023	<0.0024	<0.0023	<0.0025	<0.0021	<0.0022
beta-BHC				<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
delta-BHC				<0.0066	<0.0056	<0.0056	<0.0054	0.01	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
gamma-BHC	4	---		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
alpha-Chlordane	16	140		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
gamma-Chlordane	16	140		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Dieldrin	0.4	2.2		<0.0027	<0.0022	<0.0023	<0.0022	<0.0023	<0.0024	<0.0023	<0.0025	<0.0021	<0.0022
p,p'-DDT	17	1500		<0.0066	<0.0056	0.0057	0.0099	0.014	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
p,p'-DDD	24	---		<0.0066	<0.0056	0.0072	0.0075	0.011	<0.0059	<0.0058	<0.0062	0.26	<0.0054
p,p'-DDE	17	---		<0.0066	<0.0056	0.016	0.019	0.018	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Endosulfan I	12000	---		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Endosulfan II				<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439
Endosulfan sulfate				<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Endrin	610	---		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Endrin aldehyde				<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Endrin ketone				<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Heptachlor	1	11		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Heptachlor epoxide	0.6	9.2		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	<0.0054
Methoxychlor	10000	---		<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053	0.23
Toxaphene	5.2	170		<0.13	<0.11	<0.11	<0.11	<0.12	<0.12	<0.12	<0.12	<0.11	<0.11
Aroclor 1016	1			<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1221	1			<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1232	1			<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1242	1			<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1248	1			<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1254	1			<0.013	<0.011	0.021	0.057	0.15	<0.012	<0.012	<0.012	<0.011	<0.011
Aroclor 1260	1			<0.013	<0.011	<0.011	0.095	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q	8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q	8.4 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			10200.00	33100.00	3100	8030	10100.00	10800.00	5030.00	12400.00	9010.00	5280.00
Antimony	82.00	---			<0.01	0.02	0.045	<0.010	<0.010	<0.010	0.02	<0.010	<0.010	0.06
Arsenic	61.00	25000.00			<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, I, J3, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	14000.00	870000.00			0.29	0.18	0.109 V	0.345	0.36	0.35	0.61	0.32	0.46	1.03
Beryllium	410.00	44000.00			<0.001	0.05	<0.001	<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001
Boron	41000.00	---			22.60	1760.00	119	23.4	29.50	24.70	47.30	21.80	26.20	20.70
Cadmium	200.00	59000.00			0.003 B2	0.009 B2	0.194 B2	0.036 B2	0.003 B2	0.003 B2	0.027 B2	0.013 B2	<0.003 B2	0.347 B2
Calcium	---	---			69800.00	39000.00	12000	54900	103000.00	85900.00	101000.00	77300.00	70500.00	4540.00
Chromium	4100.00	690.00			<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			8.69	31.70	3.77	6.87	6.94	7.93	6.04	10.7 J3	6.74	7.30
Copper	8200.00	---			27.10	6920.00	96.3	23.8	123.00	124.00	748.00	21.60	19.50	8200.00
Cyanide (amenable)	4100.00	---												
Cyanide					<0.035	<0.030	0.167	<0.036	<0.034 J3	<0.035	<0.035	<0.035 J3	<0.035	<0.038
Hardness														
Iron	---	---			15500.00	129000.00	28400	13000	16900.00	19700.00	14900.00	19700.00	16800.00	20000.00
Lead	700.00	---			<0.005	0.27	0.188	0.016	<0.005	<0.005	0.37	<0.005	<0.005	5.05
Magnesium	730000.00	---			34700.00	18300.00	2050	31900	44300.00	36400.00	48300.00	37400.00	38900.00	2200.00
Manganese	4100.00	8700.00			423.00	5710.00	185	505	487.00	482.00	483.00	585.00	628.00	274.00
Mercury	61.00	0.10			<0.005	<0.006	0.45	0.01	0.05	0.03	0.15	0.02	0.02	0.31
Nickel	4100.00	440000.00			0.02	0.20	0.015	0.022	0.01	0.01	0.27	0.02	0.01	0.71
Potassium	---	---			3060.00	1870.00	1360	2350	2230.00	2320.00	1360.00	3820.00	2730.00	556.00
Selenium	1000.00	---			<0.025 J5	0.037 J5	<0.025 I, J6	<0.025 J6	0.033 J6	<0.025 J5	0.038 J6	0.026 J6	<0.025 J6	0.036 J5
Silver	1000.00	---			0.00	<0.003	<0.003	<0.003	0.01	0.01	0.00	0.01	0.00	<0.003
Sodium	---	---			325.00	28000.00	1600	320	300.00	266.00	490.00	294.00	242.00	259.00
Strontium	410000.00	---			40.20	208.00	101	29.1	56.20	54.00	44.60	43.50	25.40	33.20
Thallium	160.00	---			<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---			0.21	38.30	131	4.48	0.11	0.15	58.70	1.72	0.03	157.00
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0041	<0.0044	<0.0054	0.0089	<0.0046	<0.0055	0.022	<0.0046	<0.0044	<0.0062
Benzene	100	1.6			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Bromobenzene	16000	810			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Bromochloroethene														
Bromochloromethane					<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Bromodichloromethane	92	3000			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Bromoform	720	100			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Bromomethane	2900	15			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
2-Butanone (MEK)	1000000	25000			<0.0041	<0.0044	<0.0054	<0.0052	<0.0046	<0.0055	0.0059	<0.0046	<0.0044	<0.0062
Carbon Disulfide	200000	720			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Carbon tetrachloride	44	0.64			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Chlorobenzene	41000	210			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Chloroethane	---	1500			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Chloroform	940	0.54			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Chloromethane	---	170			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Dibromochloromethane	92	3000			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,2-Dibromoethane					<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Dibromomethane					<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1-Dichloroethane	200000	1700			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,2-Dichloroethane	63	0.7			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1-Dichloroethene					<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
cis-1,2-Dichloroethene	20000	1200			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
trans-1,2-Dichloroethene	41000	3100			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1-Dichloropropene					<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,2-Dichloropropane	84	23			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,3-Dichloropropane	41000	1000			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
2,2-Dichloropropane					<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
cis-1,3-Dichloropropene	57	2.1			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
trans-1,3-Dichloropropene	57	2.1			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Ethylbenzene	200000	400			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
2-Hexanone (MBK)	10000	720			0.002	0.0022	<0.0022	0.0027	<0.0018	<0.0022	<0.002	0.0024	0.0023	0.0031
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Methylene Chloride	760	24			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Methyl tert-butyl ether	20000	8800			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
4-Methyl-2pentanone (MIBK)	---	340			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Stryene	410000	1500			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Tetrachloroethene	110	20			<0.0016	<0.0018	0.0023	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Trichlorofluoromethane	61000	1400			<0.0016	<0.0018		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Toluene	410000	650			<0.0016	0.0049	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1,1-Trichloroethane	---	1200			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1,2-Trichloroethane	8200	1800			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,2,3-Trichloropropane	0.19	5			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1,1,2-Tetrachloroethane	61000	2100			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Trichloroethene	520	8.9			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Vinyl chloride	7.9	1.1			<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018	<0.0025
Xylenes, Total	410000	320			0.0021	0.0037	0.0025	0.0027	0.0018	<0.0022	<0.002	0.0021	0.0023	0.0032
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---			<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Acenaphthylene	61000	---			<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Acetophenone					<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
Anthracene	610000	---			<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	0.058
Azobenzene					<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Benzo(a)anthracene	8	---			<0.053	<0.056	0.11	<0.062	0.16	0.12	<0.059	<0.058	<0.056	0.28
Benzo(b)fluoranthene	8	---			<0.053	<0.056	0.17	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.35
Benzo(k)fluoranthene	78	---			<0.053	<0.056	0.063	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.12
Benzo(g,h,i)perylene	61000	---			<0.053	<0.056	<0.057	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.13
Benzo(a)pyrene	0.8	---			<0.053	<0.056	0.076	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	0.23
Bis(2-chloroethyl)ether	5	0.47			<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818
Bis(2-chloroethoxy)methane				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Bis(2-ethylhexyl)phthalate	410	31000		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
4-Bromophenyl phenyl ether				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Butyl benzyl phthalate	410000	930		<0.053	<0.056	<0.057	<0.062	0.17	<0.054	<0.059	<0.058	<0.056	<0.058
Carbazole	290	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
4-Chloro-3-methylphenol				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
4-Chloroaniline	8200	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054 J3	<0.059	<0.058	<0.056	<0.058
1-Chloronaphthalene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2-Chloronaphthalene	160000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2-Chlorophenol	10000	53000		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
4-Chlorophenyl phenyl ether				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Chrysene	780	---		<0.053	<0.056	0.2	<0.062	0.19	0.15	<0.059	<0.058	<0.056	0.38
1,2-Dichlorobenzene	180000	560		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
1,3-Dichlorobenzene				<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
1,4-Dichlorobenzene	---	17000		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
2,4-Dichlorophenol	6100	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Di-n-butyl phthalate	200000	2300		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
Di-n-octyl phthalate	41000	10000		<0.18	<0.19	<0.19	<0.21	<0.91 O1	<0.92 O1	<1 O1	<0.2 O1	<0.19	<0.2
1,2-Dinitrobenzene				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
1,3-Dinitrobenzene	200	---		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
1,4-Dinitrobenzene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2,6-Dinitrotoluene	8.4	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2,4-Dinitrophenol	4100	---		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18 J3	<0.2	<0.2	<0.19	<0.2
2,4-Dinitrotoluene	8.4	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Dibenz(a,h)anthracene	0.8	---		<0.053	<0.056	<0.057	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056	<0.058
Dibenzofuran	2000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
3,3'-Dichlorobenzidine	13	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054 J3	<0.059	<0.058	<0.056	<0.058
2,6-Dichlorophenol				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Diethyl phthalate	1000000	2000		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Dimethyl phthalate	1000000	1300		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
p-Dimethylaminoazobenzene				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
7,12-Dimethylbenzo(a)anthracene				<0.18	<0.19	<0.19	<0.21	<0.91	<0.92	<1	<0.2	<0.19	<0.2
2,4-Dimethylphenol	41000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
4,6-Dinitro-2-methylphenol				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
Diphenylamine	51000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Fluoranthene	82000	---		<0.053	<0.056	0.22	<0.062	0.33	0.26	0.067	<0.058	<0.056	0.47
Fluorene	82000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Hexachlorobenzene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Hexachlorobutadiene	2000			<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Hexachlorocyclopentadiene				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
Hexachloroethane	2000	---		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
Hexachloropropene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Indeno(1,2,3-cd)pyrene	8	---		<0.18	<0.19	<0.19	<0.21	<0.91	<0.92	<1	<0.2	<0.19	<0.2
Isodrin				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Isophorone	410000	4600		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
Isosafrole				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Mestranol				<0.18	<0.19	<0.19	<0.21	<0.91 J5, O1	<0.92 J5, O1	<1 J5, O1	<0.2 J5, O1	<0.19	<0.2
Ethyl methanesulfonate				<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
Methyl methanesulfonate				<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
2-Methylnaphthalene	8200	---		<0.053	<0.056	0.12	<0.062	<0.053	<0.054	0.065	<0.058	<0.056	0.12
2-Methylphenol	100000	---		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
4-Methylphenol	200000	170000		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
Naphthalene	41000	270		<0.053	<0.056	0.098	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	0.099
1-Naphthylamine				<0.18 O2	<0.19 O2	<0.19 O2	<0.21 O2	<0.18 O2	<0.18 J3, O2	<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2
2-Naphthylamine				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18 J3	<0.2	<0.2	<0.19	<0.2
5-Nitroacenaphthene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2-Nitroaniline	31000	28		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
3-Nitroaniline				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
4-Nitroaniline	8200	2400		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Nitrobenzene	1000	140		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
4-Nitrobiphenyl				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
2-Nitrophenol				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
4-Nitrophenol	16000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
N-Nitrosodi-n-butylamine				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
N-Nitrosodi-n-propylamine	0.8	---		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
N-Nitrosopiperidine				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2,2'-Oxybis (1-chloropropane)				<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
Pentachlorobenzene	6100	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Pentachloronitrobenzene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Pentachlorophenol	24	---		<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
Phenacetin				<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19	<0.2
Phenanthrene	61000	---		<0.053	<0.056	0.33	<0.062	0.11	0.093	0.13	<0.058	<0.056	0.57
Phenol	610000	---		<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056	<0.058
2-Picoline				<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054 J3	<0.059	<0.058	<0.056	<0.058
Pronamide				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
Pyrene	61000	---		<0.053	<0.056	0.18	<0.062	0.39 O1	0.28 O1	0.084 O1	<0.058 O1	<0.056	0.46
Pyridine	2000	200000		<0.18	<0.19	<0.19	<0.21	<0.18 J1	<0.18	<0.2	<0.2	<0.19	<0.2
Safrole				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
1,2,4,5-Tetrachlorobenzene				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2,3,4,6-Tetrachlorophenol				<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
1,2,4-Trichlorobenzene	20000	3200		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2,4,5-Trichlorophenol	200000	---		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058
2,4,6-Trichlorophenol	520	390		<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056	<0.058

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
alpha-BHC	0.9	1.5		<0.0023	<0.0021	<0.0022	<0.0023	<0.0021	<0.0021	<0.0023	<0.0024	<0.0021	<0.0022
beta-BHC				<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
delta-BHC				<0.0058	<0.0053	<0.0055	<0.0058	<0.0052 J7	<0.0053 J7	<0.0058 J7	<0.0059 J7	<0.0052	<0.0056
gamma-BHC	4	---		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
alpha-Chlordane	16	140		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
gamma-Chlordane	16	140		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Dieldrin	0.4	2.2		<0.0023	<0.0021	<0.0022	<0.0023	<0.0021	<0.0021	<0.0023	<0.0024	<0.0021	<0.0022
p,p'-DDT	17	1500		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.022
p,p'-DDD	24	---		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.0095
p,p'-DDE	17	---		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.021
Endosulfan I	12000	---		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Endosulfan II				<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818
Endosulfan sulfate				<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Endrin	610	---		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Endrin aldehyde				<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Endrin ketone				<0.0058	<0.0053	0.013	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	0.0098
Heptachlor	1	11		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Heptachlor epoxide	0.6	9.2		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Methoxychlor	10000	---		<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052	<0.0056
Toxaphene	5.2	170		<0.12	<0.11	<0.11	<0.12	<0.1	<0.11	<0.12	<0.12	<0.1	<0.11
Aroclor 1016	1			<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011
Aroclor 1221	1			<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011
Aroclor 1232	1			<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011
Aroclor 1242	1			<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01	<0.011
Aroclor 1248	1			<0.012	<0.011	<0.011	<0.012	<0.01 J5	<0.011 J5	<0.012 J5	<0.012 J5	<0.01	<0.011 J3
Aroclor 1254	1			<0.012	<0.011	<0.011	<0.012	0.11	0.061	0.19	<0.012	<0.01	0.46
Aroclor 1260	1			<0.012	<0.011	<0.011	<0.012	0.075	0.048	0.16	<0.012	<0.01	<0.011
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.6 I, Q	8.8 I, Q	8.3 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q	7.7 I, Q

IEPA TACO TABLE

Site:
Project Number:

E ACTION OBJECTIVE			Lab Sample #	23H1260-06	23H1260-14	23H1260-07	23H1260-11	23H1260-18	23H1260-19	23H1260-15	23H1260-16	23H1260-17	23H1260-21
			Sample Name	SB-59 (10-12)	SB-60 (4-6)	SB-61 (6-8)	SB-61 (10-12) MS/MSD	SB-62 (6-8)	SB-62 (10-12)	SB-63 (5-7)	SB-63 (10-12)	SB-64 (2-4)	SB-64 (6-8)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
CONSTRUCTION			Date sampled	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
WORKER			Time sampled	9:33 AM	11:15 AM	10:09 AM	10:27 AM	12:10 PM	12:05 PM	11:13 AM	11:33 AM	12:30 PM	12:45 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	78.34275	91.06628	78.82118	82.90259	86.38589	84.56973	79.30711	84.375	89.35762	82.7821
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		7100.00	15500.00	7610.00	7460.00	11300.00	12500.00	7580.00	12600.00	12500.00	12500.00
Antimony	82.00	---		<0.010	0.02	0.04	<0.010	<0.010	<0.010	0.06	<0.010	0.04	<0.010
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 J7, B1	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	14000.00	870000.00		0.79	0.46	0.84	0.42	0.38	0.28	0.81	0.37	1.30	0.53
Beryllium	410.00	44000.00		<0.001	<0.001	0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	41000.00	---		20.80	1690.00	62.30	14.80	21.70	23.60	27.50	28.20	72.70	21.20
Cadmium	200.00	59000.00		0.004 B2	0.039 B2	0.275 B2	0.003 B2	0.004 B2	0.041 B2	0.306 B2	0.005 B2	1.10 B2	0.005 B2
Calcium	---	---		70800.00	68200.00	10700.00	75500.00	89100.00	77700.00	12000.00	75100.00	11800.00	84700.00
Chromium	4100.00	690.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		19.40	31.90	13.20	10.30	8.21	5.79	10.40	15.00	13.00	9.76
Copper	8200.00	---		29.00	4820.00	2410.00	22.20	23.70	24.70	7020.00	73.60	19700.00	31.00
Cyanide (amenable)	4100.00	---											
Cyanide				<0.036	<0.033	0.24	<0.034	<0.034	<0.036	0.04	<0.035	<0.032	0.06
Hardness													
Iron	---	---		31400.00	77700.00	29100.00	19900.00	18000.00	18900.00	45300.00	19700.00	44800.00	19100.00
Lead	700.00	---		0.01	0.17	2.53	<0.005	<0.005 V	0.02	32.60	0.02	59.60	0.011 V
Magnesium	730000.00	---		39900.00	28300.00	2410.00	40000.00	36100.00	38300.00	2020.00	34700.00	2810.00	39600.00
Manganese	4100.00	8700.00		2040.00	2520.00	373.00	678.00	469.00	432.00	337.00	641.00	1050.00	537.00
Mercury	61.00	0.10		0.02	0.17	0.17	0.02	0.02	0.02	4.35	0.02	0.07	0.03
Nickel	4100.00	440000.00		0.03	0.10	0.30	0.01	0.04	0.02	0.11	0.01	0.22	0.01
Potassium	---	---		1890.00	1470.00	983.00	2290.00	3570.00	4250.00	566.00	3820.00	947.00	3820.00
Selenium	1000.00	---		<0.025 J5	0.040 J6	<0.025 J5	0.033 J6	<0.025 J5	<0.025 J5	0.027 J6	0.051 J6	0.025 J6	<0.025 J5
Silver	1000.00	---		<0.003	<0.003	<0.003	0.01	0.00	<0.003	<0.003	0.01	0.00	<0.003
Sodium	---	---		294.00	12700.00	776.00	272.00	339.00	309.00	447.00	292.00	1500.00	<237
Strontium	410000.00	---		31.80	73.80	92.90	36.60	88.10	60.40	67.30	46.00	49.10	48.10
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.010 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---		9.15	16.30	89.10	0.10	0.04	3.88	148.00	0.65	132.00	0.25
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		0.015	0.014	0.011	<0.0046	<0.0043	<0.0046	<0.0063	0.0061	0.011	<0.0044
Benzene	100	1.6		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Bromobenzene	16000	810		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Bromochloroethene													
Bromochloromethane				<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Bromodichloromethane	92	3000		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Bromoform	720	100		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Bromomethane	2900	15		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
2-Butanone (MEK)	1000000	25000		<0.0051	<0.0041	<0.0053	<0.0046	<0.0043	<0.0046	<0.0063	<0.0043	<0.0063	<0.0044
Carbon Disulfide	200000	720		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Carbon tetrachloride	44	0.64		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Chlorobenzene	41000	210		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Chloroethane	---	1500		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Chloroform	940	0.54		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Chloromethane	---	170		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Dibromochloromethane	92	3000		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,2-Dibromoethane				<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Dibromomethane				<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,1-Dichloroethane	200000	1700		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,2-Dichloroethane	63	0.7		<0.002	<0.0016	<0.0021	0.0027	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,1-Dichloroethene				<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
cis-1,2-Dichloroethene	20000	1200		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	0.02	<0.0025	<0.0018
trans-1,2-Dichloroethene	41000	3100		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	0.0018	<0.0025	<0.0018
1,1-Dichloropropene				<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,2-Dichloropropane	84	23		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,3-Dichloropropane	41000	1000		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
2,2-Dichloropropane				<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
cis-1,3-Dichloropropene	57	2.1		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
trans-1,3-Dichloropropene	57	2.1		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Ethylbenzene	200000	400		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
2-Hexanone (MBK)	10000	720		<0.0051	<0.0016	<0.0053	<0.0046	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Methylene Chloride	760	24		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Methyl tert-butyl ether	20000	8800		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
4-Methyl-2pentanone (MIBK)	---	340		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Stryene	410000	1500		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Tetrachloroethene	110	20		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Trichlorofluoromethane	61000	1400		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Toluene	410000	650		0.0031	<0.0016	<0.0021	<0.0019	0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,1,1-Trichloroethane	---	1200		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,1,2-Trichloroethane	8200	1800		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,2,3-Trichloropropane	0.19	5		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,1,1,2-Tetrachloroethane	61000	2100		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
1,1,2,2-Tetrachloroehtane	12000	2000		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Trichloroethene	520	8.9		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	0.3 I, L	0.065
Vinyl chloride	7.9	1.1		<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Xylenes, Total	410000	320		0.0027	0.0016	0.0027	0.0024	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025	<0.0018
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Acenaphthylene	61000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Acetophenone				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Anthracene	610000	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Azobenzene				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Benzo(a)anthracene	8	---		<0.061	<0.27	0.066	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28	<0.059
Benzo(b)fluoranthene	8	---		<0.061	<0.27	0.098	<0.29	<0.29	<0.29	<0.3	<0.29	0.54	<0.3
Benzo(k)fluoranthene	78	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	<0.28	<0.3
Benzo(g,h,i)perylene	61000	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	0.39	<0.3
Benzo(a)pyrene	0.8	---		<0.061	<0.27	0.074	<0.29	<0.29	<0.29	<0.3	<0.29	0.32	<0.3
Bis(2-chloroethyl)ether	5	0.47		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059

IEPA TACO TABLE

	E ACTION OBJECTIVE		Lab Sample #	23H1260-06	23H1260-14	23H1260-07	23H1260-11	23H1260-18	23H1260-19	23H1260-15	23H1260-16	23H1260-17	23H1260-21
			Sample Name	SB-59 (10-12)	SB-60 (4-6)	SB-61 (6-8)	SB-61 (10-12) MS/MSD	SB-62 (6-8)	SB-62 (10-12)	SB-63 (5-7)	SB-63 (10-12)	SB-64 (2-4)	SB-64 (6-8)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	9:33 AM	11:15 AM	10:09 AM	10:27 AM	12:10 PM	12:05 PM	11:13 AM	11:33 AM	12:30 PM	12:45 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	78.34275	91.06628	78.82118	82.90259	86.38589	84.56973	79.30711	84.375	89.35762	82.7821
Bis(2-chloroethoxy)methane				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Bis(2-ethylhexyl)phthalate	410	31000		<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<1	<0.2	<0.95	<0.2
4-Bromophenyl phenyl ether				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Butyl benzyl phthalate	410000	930		<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28	<0.059
Carbazole	290	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
4-Chloro-3-methylphenol				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
4-Chloroaniline	8200	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
1-Chloronaphthalene				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.23	<0.059
2-Chloronaphthalene	160000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.073	<0.059
2-Chlorophenol	10000	53000		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
4-Chlorophenyl phenyl ether				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Chrysene	780	---		<0.061	<0.27	0.082	<0.29	<0.29	<0.059	<0.3	<0.059	0.44	<0.059
1,2-Dichlorobenzene	180000	560		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
1,3-Dichlorobenzene				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
1,4-Dichlorobenzene	---	17000		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2,4-Dichlorophenol	6100	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Di-n-butyl phthalate	200000	2300		<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2
Di-n-octyl phthalate	41000	10000		<0.21	<0.93 O1	<0.21 O1	<0.97 O1	<0.98 O1	<1 O1	<1 O1	<1 O1	<0.95 O1	<1 O1
1,2-Dinitrobenzene				<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
1,3-Dinitrobenzene	200	---		<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
1,4-Dinitrobenzene				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2,6-Dinitrotoluene	8.4	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2,4-Dinitrophenol	4100	---		<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
2,4-Dinitrotoluene	8.4	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Dibenz(a,h)anthracene	0.8	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	<0.28	<0.3
Dibenzofuran	2000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
3,3'-Dichlorobenzidine	13	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28	<0.059
2,6-Dichlorophenol				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Diethyl phthalate	1000000	2000		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Dimethyl phthalate	1000000	1300		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
p-Dimethylaminoazobenzene				<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<1	<0.2	<0.95	<0.2
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.93	<0.21	<0.97	<0.98	<1	<1	<1	<0.95	<1
2,4-Dimethylphenol	41000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
4,6-Dinitro-2-methylphenol				<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2
Diphenylamine	51000	---		<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Fluoranthene	82000	---		<0.061	0.28	0.11	<0.29	<0.29	<0.059	0.41	<0.059	0.16	<0.059
Fluorene	82000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Hexachlorobenzene				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Hexachlorobutadiene	2000			<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Hexachlorocyclopentadiene				<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
Hexachloroethane	2000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Hexachloropropene				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Indeno(1,2,3-cd)pyrene	8	---		<0.21	<0.93	<0.21	<0.97	<0.98	<1	<1	<1	<0.95	<1
Isodrin				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Isophorone	410000	4600		<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
Isosafrole				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Mestranol				<0.21	<0.93 J5, O1	<0.21 J5, O1	<0.97 J5, O1	<0.98 J5, O1	<1 J5, O1	<1 J5, O1	<1 J5, O1	<0.95 J5, O1	<1 J5, O1
Ethyl methanesulfonate				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Methyl methanesulfonate				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2-Methylnaphthalene	8200	---		<0.061	0.07	<0.062	<0.057	<0.057	<0.059	0.084	<0.059	0.073	<0.059
2-Methylphenol	100000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
4-Methylphenol	200000	170000		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Naphthalene	41000	270		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	0.08	<0.059	0.1	<0.059
1-Naphthylamine				<0.21 O2	<0.19 O2	<0.21 O2	<0.19 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2
2-Naphthylamine				<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
5-Nitroacenaphthene				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
2-Nitroaniline	31000	28		<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
3-Nitroaniline				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
4-Nitroaniline	8200	2400		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Nitrobenzene	1000	140		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
4-Nitrobiphenyl				<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2
2-Nitrophenol				<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
4-Nitrophenol	16000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
N-Nitrosodi-n-butylamine				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
N-Nitrosodi-n-propylamine	0.8	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
N-Nitrosopiperidine				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2,2'-Oxybis (1-chloropropane)				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Pentachlorobenzene	6100	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.29	<0.059
Pentachloronitrobenzene				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Pentachlorophenol	24	---		<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2
Phenacetin				<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19	<0.2
Phenanthrene	61000	---		<0.061	<0.27	0.1	<0.29	<0.29	<0.059	0.45	<0.059	0.12	<0.059
Phenol	610000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2-Picoline				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
Pronamide				<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056	<0.059
Pyrene	61000	---		<0.061	<0.27	0.13 O1	<0.29	<0.29	<0.059 O1	0.39 O1	<0.059 O1	0.31 O1	<0.059 O1
Pyridine	2000	200000		<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19	<0.2
Safrole				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
1,2,4,5-Tetrachlorobenzene				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.14	<0.059
2,3,4,6-Tetrachlorophenol				<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
1,2,4-Trichlorobenzene	20000	3200		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.15	<0.059
2,4,5-Trichlorophenol	200000	---		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059
2,4,6-Trichlorophenol	520	390		<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056	<0.059

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
alpha-BHC	0.9	1.5		<0.0023 J3	<0.0021	<0.0025	<0.0024	<0.0021	<0.0023	<0.0025	<0.0023	<0.42 J1	<0.0023
beta-BHC				<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
delta-BHC				<0.0059 J3	<0.0053 J7	<0.0062 J7	<0.0059 J7	<0.0053 J7	<0.0059 J7	<0.0062 J7	<0.0058 J7	<1.1 J1, J7	<0.0057 J7
gamma-BHC	4	---		<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
alpha-Chlordane	16	140		<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
gamma-Chlordane	16	140		<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Dieldrin	0.4	2.2		<0.0023 J3	<0.0021	<0.0025	<0.0024	<0.0021	<0.0023	<0.0025	<0.0023	5 J1	<0.0023
p,p'-DDT	17	1500		<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
p,p'-DDD	24	---		<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
p,p'-DDE	17	---		<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Endosulfan I	12000	---		<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Endosulfan II				<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-06 SB-59 (10-12) Soil 8/23/2023 9:33 AM 78.34275	23H1260-14 SB-60 (4-6) Soil 8/23/2023 11:15 AM 91.06628	23H1260-07 SB-61 (6-8) Soil 8/23/2023 10:09 AM 78.82118	23H1260-11 SB-61 (10-12) MS/MSD Soil 8/23/2023 10:27 AM 82.90259	23H1260-18 SB-62 (6-8) Soil 8/23/2023 12:10 PM 86.38589	23H1260-19 SB-62 (10-12) Soil 8/23/2023 12:05 PM 84.56973	23H1260-15 SB-63 (5-7) Soil 8/23/2023 11:13 AM 79.30711	23H1260-16 SB-63 (10-12) Soil 8/23/2023 11:33 AM 84.375	23H1260-17 SB-64 (2-4) Soil 8/23/2023 12:30 PM 89.35762	23H1260-21 SB-64 (6-8) Soil 8/23/2023 12:45 PM 82.7821
Endosulfan sulfate				<0.0059	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Endrin	610	---		<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Endrin aldehyde				<0.0059	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Endrin ketone				<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057 O1
Heptachlor	1	11		<0.0059	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Heptachlor epoxide	0.6	9.2		<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1	<0.0057
Methoxychlor	10000	---		<0.0059	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<5.3 J1	<0.0057
Toxaphene	5.2	170		<0.12	<0.11	<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<21 J1	<0.11
Aroclor 1016	1			<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011
Aroclor 1221	1			<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011
Aroclor 1232	1			<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011
Aroclor 1242	1			<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011
Aroclor 1248	1			<0.012	<0.011 J5	<0.012 J5	<0.012 J5	<0.011 J5	<0.012 J5	<0.012 J3, J5	<0.012 J5	<2.1 J1, J5	<0.011 J5
Aroclor 1254	1			<0.012	0.2	0.11	<0.012	<0.011	<0.012	0.032	0.013	210	<0.011
Aroclor 1260	1			<0.012	0.11	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1	<0.011
PCB, Total	1											210	
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.3 I, Q	9.2 I, Q	8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q	8.5 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample #	23H1261-02	23H1261-04	23H1261-03	23H1260-20	23H1260-22	23H1261-05	23H1261-15	23H1261-16	23H1261-06	23H1261-07
				Sample Name	SB-65 (1-3)	SB-65 (7-12)	SB-65 (15.5-16)	SB-66 (0-2)	SB-66 (7-9)	SB-66 (10-12)	SB-67 (3-5)	SB-67 (10-12)	SB-68 (3-5)	SB-68 (9-11)
				Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				Date sampled	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
				Time sampled	12:57 PM	1:43 PM	2:08 PM	1:25 PM	1:35 PM	1:45 PM	3:33 PM	3:49 PM	2:15 PM	2:25 PM
				% Solids	88.92989	82.6291	86.31476	89.90654	94.1349	79.88451	87.32261	76.85371	87.29227	86.16601
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			11700	5770	12300	10300.00	34100.00	14800	10600	14000	9080	12000
Antimony	82.00	---			<0.010	0.122	<0.010	0.02	0.12	<0.010	0.209	0.01	0.064	<0.010
Arsenic	61.00	25000.00			<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	14000.00	870000.00			0.568	0.937	0.43	0.53	0.54	0.552	0.603	0.401	2.18	0.523
Beryllium	410.00	44000.00			<0.001	0.01	<0.001	<0.001	0.00	<0.001	<0.001	<0.001	0.002	<0.001
Boron	41000.00	---			32.6	46.2	33.6	48.00	577.00	23.2	<112	<66.4	188	<58.0 I
Cadmium	200.00	59000.00			0.021 B2	0.353 B2	0.007 B2	0.017 B2	0.878 B2	0.003 B2	0.224 B2	0.003 B2	0.354 B2	<0.003 B2
Calcium	---	---			76300	7440	72000	83900.00	33700.00	8280	19200	77900	64100	50700
Chromium	4100.00	690.00			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			10.3	5.94	9.56	9.61	82.10	12.2	10.4	9.68	9.12	8.81
Copper	8200.00	---			36.4	6000	38.4	<1.11	19600.00	20.8	14900	35.6	2170	20.7 I
Cyanide (amenable)	4100.00	---												
Cyanide					<0.035	0.121		<0.031	<0.032	<0.036	0.065	<0.040	0.208	<0.031
Hardness														
Iron	---	---			20200	12000	21700	<111	137000.00	21800	36900	22300	25900	20800
Lead	700.00	---			0.301	33.9	0.091 V	0.078 V	14.10	0.008 V	1.09	0.009 V	15.2	0.020 V
Magnesium	730000.00	---			31600	3300	34800	33100.00	7020.00	7730	9550	37600	23600	28900
Manganese	4100.00	8700.00			513	521	515	<1.67	3610.00	381	743	569	555	506
Mercury	61.00	0.10			0.03	0.59		0.12	0.21	0.05	0.57	0.02	0.16	0.02
Nickel	4100.00	440000.00			0.106	0.249	0.027	0.02	0.66	0.025	0.159	0.013	0.19	0.017
Potassium	---	---			3610	861	4070	<222	2960.00	2310	1430	4480	1560	2480
Selenium	1000.00	---			<0.025 J5	0.027 J6	0.025 J6	0.029 J6	0.035 J6	<0.025 J5	0.025 J6	<0.025 J5	0.032 J6	0.025 J6
Silver	1000.00	---			0.003	0.005	<0.003	0.00	0.00	<0.003	<0.003	0.003	0.003	0.003
Sodium	---	---			522	1000	817	<222	14000.00	475	545	304	1410	1960
Strontium	410000.00	---			46.3	25.6	49.2	<1.11	161.00	18.2	43.1	54	62.9	27.0 J3
Thallium	160.00	---			0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---			6.04	115	1.44	4.51 I	516.00	<0.025	84.8	0.092	177	<0.025
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0046	0.018		<0.0046	<0.0052	0.0067	0.01	<0.0054	0.04	0.028
Benzene	100	1.6			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromobenzene	16000	810			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromochloroethene														
Bromochloromethane					<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromodichloromethane	92	3000			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromoform	720	100			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Bromomethane	2900	15			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
2-Butanone (MEK)	1000000	25000			<0.0046	<0.0052		<0.0046	<0.0052	<0.0049	<0.0049	<0.0054	0.0069	0.0057
Carbon Disulfide	200000	720			<0.0018	0.0023		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Carbon tetrachloride	44	0.64			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chlorobenzene	41000	210			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chloroethane	---	1500			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chloroform	940	0.54			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Chloromethane	---	170			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Dibromochloromethane	92	3000			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2-Dibromoethane					<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Dibromomethane					<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1-Dichloroethane	200000	1700			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2-Dichloroethane	63	0.7			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1-Dichloroethene					<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
cis-1,2-Dichloroethene	20000	1200			<0.0018	<0.0021		<0.0019	0.0072	0.0023	<0.002	<0.0022	<0.0021	<0.002
trans-1,2-Dichloroethene	41000	3100			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1-Dichloropropene					<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2-Dichloropropane	84	23			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,3-Dichloropropane	41000	1000			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
2,2-Dichloropropane					<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
cis-1,3-Dichloropropene	57	2.1			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
trans-1,3-Dichloropropene	57	2.1			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Ethylbenzene	200000	400			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
2-Hexanone (MBK)	10000	720			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	0.0032	<0.0022	<0.0021	<0.002
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Methylene Chloride	760	24			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Methyl tert-butyl ether	20000	8800			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
4-Methyl-2pentanone (MIBK)	---	340			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Stryene	410000	1500			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Tetrachloroethene	110	20			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	0.0025	0.0025	<0.0021	<0.002
Trichlorofluoromethane	61000	1400			<0.0018	<0.0021		<0.0019		<0.0019			<0.0021	<0.002
Toluene	410000	650			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	0.002
1,1,1-Trichloroethane	---	1200			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1,2-Trichloroethane	8200	1800			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,2,3-Trichloropropane	0.19	5			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1,1,2-Tetrachloroethane	61000	2100			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Trichloroethene	520	8.9			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Vinyl chloride	7.9	1.1			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021	<0.002
Xylenes, Total	410000	320			<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	0.0039	0.0026	<0.0021	<0.002
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---			<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	0.18	<0.05
Acenaphthylene	61000	---			<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	0.12	<0.05
Acetophenone					<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Anthracene	610000	---			<0.055	0.12		<0.25	<0.051	<0.058	<0.053	<0.062	0.52	<0.05
Azobenzene					<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Benzo(a)anthracene	8	---			<0.055	0.24		<0.25	0.094	<0.058	<0.053	<0.062	1.8	<0.05
Benzo(b)fluoranthene	8	---			0.081	0.28		<0.25	0.15	<0.058	<0.053	<0.062	2.6	<0.05
Benzo(k)fluoranthene	78	---			<0.055	0.1		<0.25	0.058	<0.058	<0.053	<0.062	0.88	<0.05
Benzo(g,h,i)perylene	61000	---			<0.055	0.093		<0.25	0.058	<0.058	<0.053	<0.062	1.2	<0.05
Benzo(a)pyrene	0.8	---			0.059	0.19		<0.25	0.096	<0.058	<0.053	<0.062	1.9	<0.05
Bis(2-chloroethyl)ether	5	0.47			<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-02 SB-65 (1-3) Soil 8/23/2023 12:57 PM 88.92989	23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601
Bis(2-chloroethoxy)methane				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Bis(2-ethylhexyl)phthalate	410	31000		<0.19	<0.19		<0.87	<0.17	<0.2	<0.18 O1	<0.21 O1	0.33	<0.17
4-Bromophenyl phenyl ether				<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Butyl benzyl phthalate	410000	930		<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Carbazole	290	---		<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	0.19	<0.05
4-Chloro-3-methylphenol				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Chloroaniline	8200	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1-Chloronaphthalene				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Chloronaphthalene	160000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Chlorophenol	10000	53000		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Chlorophenyl phenyl ether				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Chrysene	780	---		0.067	0.28		<0.25	0.14	<0.058	<0.053	<0.062	2	<0.05
1,2-Dichlorobenzene	180000	560		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,3-Dichlorobenzene				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,4-Dichlorobenzene	---	17000		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4-Dichlorophenol	6100	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Di-n-butyl phthalate	200000	2300		<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Di-n-octyl phthalate	41000	10000		<0.19 O1	<0.19 O1		<0.87 O1	<0.17 O1	<0.2 O1	<0.18 O1	<0.21 O1	<0.18 O1	<0.17 O1
1,2-Dinitrobenzene				<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
1,3-Dinitrobenzene	200	---		<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
1,4-Dinitrobenzene				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,6-Dinitrotoluene	8.4	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4-Dinitrophenol	4100	---		<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
2,4-Dinitrotoluene	8.4	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Dibenz(a,h)anthracene	0.8	---		<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	0.19	<0.05
Dibenzofuran	2000	---		<0.055	0.057		<0.051	<0.051	<0.058	<0.053	<0.062	0.16	<0.05
3,3'-Dichlorobenzidine	13	---		<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,6-Dichlorophenol				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Diethyl phthalate	1000000	2000		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Dimethyl phthalate	1000000	1300		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
p-Dimethylaminoazobenzene				<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
2,4-Dimethylphenol	41000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4,6-Dinitro-2-methylphenol				<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Diphenylamine	51000	---		<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Fluoranthene	82000	---		0.11	0.52		0.29	0.22	<0.058	<0.053	<0.062	3.6	<0.05
Fluorene	82000	---		<0.055	0.07		<0.051	<0.051	<0.058	<0.053	<0.062	0.2	<0.05
Hexachlorobenzene				<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Hexachlorobutadiene	2000			<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Hexachlorocyclopentadiene				<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Hexachloroethane	2000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Hexachloropropene				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Indeno(1,2,3-cd)pyrene	8	---		<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	1.1	<0.17
Isodrin				<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Isophorone	410000	4600		<0.19	<0.19		<0.17	0.2	<0.2	<0.18	<0.21	<0.18	<0.17
Isosafrole				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Mestranol				<0.19 J5, O1	<0.19 J5, O1		<0.87 J5, O1	<0.17 J5, O1	<0.2 J5, O1	<0.18	<0.21	<0.18 J5, O1	<0.17 J5, O1
Ethyl methanesulfonate				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Methyl methanesulfonate				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Methylnaphthalene	8200	---		<0.055	0.093		<0.051	0.081	<0.058	<0.053	<0.062	0.24	<0.05
2-Methylphenol	100000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Methylphenol	200000	170000		<0.055	0.057		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Naphthalene	41000	270		<0.055	0.13		<0.051	0.079	<0.058	<0.053	<0.062	0.25	<0.05
1-Naphthylamine				<0.19 O2	<0.19 O2		<0.17 O2	<0.17 O2	<0.2 O2	<0.18 O2	<0.21 O2	<0.18 O2	<0.17 O2
2-Naphthylamine				<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
5-Nitroacenaphthene				<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Nitroaniline	31000	28		<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
3-Nitroaniline				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Nitroaniline	8200	2400		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Nitrobenzene	1000	140		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
4-Nitrobiphenyl				<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
2-Nitrophenol				<0.19	<0.19		<0.17	<0.17	<0.2	<0.18 J5	<0.21 J5	<0.18	<0.17
4-Nitrophenol	16000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
N-Nitrosodi-n-butylamine				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
N-Nitrosodi-n-propylamine	0.8	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
N-Nitrosopiperidine				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,2'-Oxybis (1-chloropropane)				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pentachlorobenzene	6100	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pentachloronitrobenzene				<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pentachlorophenol	24	---		<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Phenacetin				<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Phenanthrene	61000	---		0.067	0.69		<0.25	0.23	<0.058	<0.053	<0.062	2.3	<0.05
Phenol	610000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2-Picoline				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pronamide				<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
Pyrene	61000	---		0.097	0.47		<0.25	0.2	<0.058	<0.053	<0.062	3.4	<0.05
Pyridine	2000	200000		<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18	<0.17
Safrole				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,2,4,5-Tetrachlorobenzene				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,3,4,6-Tetrachlorophenol				<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
1,2,4-Trichlorobenzene	20000	3200		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4,5-Trichlorophenol	200000	---		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05
2,4,6-Trichlorophenol	520	390		<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053	<0.05

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
alpha-BHC	0.9	1.5		<0.0021	<0.0024		<0.0021	<0.42 J1	<0.0024	<0.0023	<0.0026	<0.0021	<0.0023
beta-BHC				<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
delta-BHC				<0.0052 J7, O1	<0.006 J7		<0.0053 O1, J7	<1 J7, J1	<0.0061 J7	<0.0057	<0.0064	0.0088 J7, O1	<0.0057 J7, O1
gamma-BHC	4	---		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
alpha-Chlordane	16	140		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
gamma-Chlordane	16	140		<0.0052 O1	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057 O1
Dieldrin	0.4	2.2		<0.0021 O1	<0.0024		<0.0021	<0.42 J1	<0.0024	<0.0023	<0.0026	<0.0021 O1	<0.0023 O1
p,p'-DDT	17	1500		0.0092	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
p,p'-DDD	24	---		<0.0052	<0.006		0.0081	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
p,p'-DDE	17	---		0.031	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endosulfan I	12000	---		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endosulfan II				<0.0052	<0.006		0.013	<1 J1	<0.0061	<0.0057	<0.0064	0.023	<0.0057

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-02 SB-65 (1-3) Soil 8/23/2023 12:57 PM 88.92989	23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601
Endosulfan sulfate				<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endrin	610	---		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endrin aldehyde				<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Endrin ketone				<0.0052 O1	<0.006 O1		<0.0053 O1	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053 O1	<0.0057 O1
Heptachlor	1	11		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Heptachlor epoxide	0.6	9.2		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Methoxychlor	10000	---		<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053	<0.0057
Toxaphene	5.2	170		<0.1	<0.12		<0.11	<21 J1	<0.12	<0.11	<0.13	<0.11	<0.11
Aroclor 1016	1			<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1221	1			<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1232	1			<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1242	1			<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011	<0.011
Aroclor 1248	1			<0.01 J5	<0.012 J5		<0.011 J5	<2.1 J5, J1	<0.012 J5	<0.011	<0.013	<0.011 J6	<0.011 J5
Aroclor 1254	1			0.16	0.06		5.1	120	0.17	0.57	<0.013	23	0.019
Aroclor 1260	1			<0.01	<0.012		<0.011	<2.1	0.088		<0.013	<0.011	<0.011
PCB, Total	1						5.1	1.2				23	
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.7 I, Q	9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q	9.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692
Inorganics - mg/kg or mg/L														
Aluminum	200000.00	870000.00			10900	13600	9350	11300	21700	6240	11100	9520	17600	9870
Antimony	82.00	---			0.023	<0.010	0.028	0.057	0.076	<0.010	0.038	<0.010	0.186	<0.010
Arsenic	61.00	25000.00			<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J3, J7
Barium	14000.00	870000.00			1.45	0.325	0.582	0.679	0.471	0.364	1.02	0.363	0.44	0.425
Beryllium	410.00	44000.00			<0.001	<0.001	<0.001	0.001	0.002	<0.001	0.004	<0.001	<0.001	<0.001
Boron	41000.00	---			238	24.7	455	734	3550	<56.2	349	<58.6	<244	
Cadmium	200.00	59000.00			0.169 B2	<0.003 B2	0.120 B2	0.275 B2	0.632 B2	0.022 B2	0.211 B2	<0.003 B2	1.05 B2	<0.005 B2
Calcium	---	---			109000	70800	92500	75800	41100	85000	68900	114000	29000	102000
Chromium	4100.00	690.00			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00												
Cobalt	12000.00	---			9.2	10.5	12	17.3	52.1	9.51	17.5	6.27	16.5	8.04 I
Copper	8200.00	---			750	18.2	1920	3390	9230	29.8	7620	21.5	13700	19.2 I, J3
Cyanide (amenable)	4100.00	---												
Cyanide					0.066 V	<0.034 V	0.032	<0.032 J3	0.047	<0.034	0.055	<0.034	<0.037	<0.031 J3, V
Hardness														
Iron	---	---			20600	20900	33400	44600	134000	20200	43700	15500	68500	15900 I
Lead	700.00	---			4.17	<0.005	1.96	14.1	26.3	0.439	44.5	0.008 V	126	0.018
Magnesium	730000.00	---			53800	32800	42600	37500	23100	44700	30000	51200	7470	52600
Manganese	4100.00	8700.00			688	419	1340	1400	4410	477	1260	869	1220	592
Mercury	61.00	0.10			0.05	0.01	0.13	0.13 J3	0.27	0.04	0.1	0.01	0.23	0.02
Nickel	4100.00	440000.00			0.081	0.006	0.062	0.1	0.237	0.026	0.186	0.013	0.094	0.006
Potassium	---	---			2090	4520	1870	1710	1750	2180	1240	3410	2450	3550
Selenium	1000.00	---			0.042 J6	0.025 J6	0.037 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.035 J6	<0.025 J5	0.035 J6	<0.025 J3, J5
Silver	1000.00	---			0.003	0.005	<0.003	<0.003	0.004	<0.003	<0.003	0.003	0.014	0.004
Sodium	---	---			1540	316	2020	3950	16100	242	3140	325	2380	268
Strontium	410000.00	---			76.4	50.2	41.8	46.1	63.7	37.4	72.7	48.6	125	44.7 J3
Thallium	160.00	---			<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---			77.6	<0.025	64.7	219	257	7.7	70	0.055	137	0.149 I
Volatiles Organics - mg/kg or mg/L														
Acetone	---	100000			<0.0057	<0.005	<0.0048	<0.0046	0.0052	0.01	<0.0049	0.0071	<0.0061	<0.0044
Benzene	100	1.6			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Bromobenzene	16000	810			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Bromochloroethene														
Bromochloromethane					<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Bromodichloromethane	92	3000			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Bromoform	720	100			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Bromomethane	2900	15			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
2-Butanone (MEK)	1000000	25000			<0.0057	<0.005	<0.0048	<0.0046	<0.0043	<0.0053	<0.0049	<0.0055	<0.0061	<0.0044
Carbon Disulfide	200000	720			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Carbon tetrachloride	44	0.64			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Chlorobenzene	41000	210			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Chloroethane	---	1500			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Chloroform	940	0.54			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Chloromethane	---	170			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Dibromochloromethane	92	3000			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,2-Dibromoethane					<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Dibromomethane					<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1-Dichloroethane	200000	1700			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,2-Dichloroethane	63	0.7			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1-Dichloroethene					<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
cis-1,2-Dichloroethene	20000	1200			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
trans-1,2-Dichloroethene	41000	3100			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1-Dichloropropene					<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,2-Dichloropropane	84	23			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,3-Dichloropropane	41000	1000			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
2,2-Dichloropropane					<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
cis-1,3-Dichloropropene	57	2.1			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
trans-1,3-Dichloropropene	57	2.1			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Ethylbenzene	200000	400			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
2-Hexanone (MBK)	10000	720			<0.0023	<0.002	<0.0019	<0.0046	<0.0043	<0.0021	<0.002	0.0044	0.0024	0.0031
Isobutyl acetate														
Isopropylbenzene (Cumene)	200000	800			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Methylene Chloride	760	24			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Methyl tert-butyl ether	20000	8800			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
4-Methyl-2pentanone (MIBK)	---	340			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	0.0024	<0.0024	<0.0018
Stryene	410000	1500			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Tetrachloroethene	110	20			<0.0023	<0.002	<0.0019	0.003	<0.0017	<0.0021	0.0022	0.0028	0.0024	<0.0018
Trichlorofluoromethane	61000	1400			<0.0023	<0.002	<0.0019	<0.0018	<0.0017					<0.0018
Toluene	410000	650			0.0036	<0.002	<0.0019	0.0021	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1,1-Trichloroethane	---	1200			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1,2-Trichloroethane	8200	1800			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,2,3-Trichloropropane	0.19	5			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1,1,2-Tetrachloroethane	61000	2100			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
1,1,2,2-Tetrachloroehtane	12000	2000			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Trichloroethene	520	8.9			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Vinyl chloride	7.9	1.1			<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024	<0.0018
Xylenes, Total	410000	320			<0.0023	<0.002	<0.0019	0.0024	0.0022	<0.0021	0.0023	0.0044	0.0029	<0.0018
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	120000	---			<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Acenaphthylene	61000	---			<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Acetophenone					<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Anthracene	610000	---			<0.06 J3	<0.059	<0.053	<0.052	0.075	<0.049	0.052	<0.056	0.11	<0.055
Azobenzene					<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Benzo(a)anthracene	8	---			<0.06 J3	<0.059	0.064	<0.052	0.15	<0.049	0.24 J1	<0.056	0.2	<0.055
Benzo(b)fluoranthene	8	---			<0.06 J3	<0.059	0.084	<0.052	0.16	<0.049	0.29	<0.056	0.24	<0.055
Benzo(k)fluoranthene	78	---			<0.06 J3	<0.059	<0.053	<0.052	0.069	<0.049	0.081	<0.056	0.085	<0.055
Benzo(g,h,i)perylene	61000	---			<0.06 J3	<0.059	<0.053	<0.052	0.054	<0.049	0.14	<0.056	0.06	<0.055
Benzo(a)pyrene	0.8	---			<0.06 J3	<0.059	0.063	<0.052	0.12	<0.049	0.21	<0.056	0.14	<0.055
Bis(2-chloroethyl)ether	5	0.47			<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055

IEPA TACO TABLE

	E ACTION OBJECTIVE		Lab Sample #	23I0395-07	23I0395-08	23H1261-08	23H1261-09	23H1261-10	23H1261-12	23H1261-17	23H1261-13	23H1261-14	23I0313-01
			Sample Name	SB-69 (5-7)	SB-69 (10-12)	SB-70 (0-2) D	SB-70 (0-2)	SB-70 (5-7)	SB-70 (10-12)	SB-71 (3-5)	SB-72 (9-11) MS/MSD	SB-72 (5-7)	SB-73 (1-3)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	9/12/2023	9/12/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	9/11/2023
			Time sampled	11:55 AM	12:00 PM	2:55 PM	2:55 PM	2:40 PM	2:50 PM	4:15 PM	3:35 PM	3:25 PM	12:45 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	81.53242	84.26641	93.84921	93.78698	94.0622	89.00883	87.5121	85.31935	82.03704	90.57692
Bis(2-chloroethoxy)methane				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Bis(2-ethylhexyl)phthalate	410	31000		<0.2 J3	<0.2	<0.18 O1	<0.18 O1	<0.16 O1	<0.17 O1	<0.17 J1, O1	<0.19 O1	<0.19 O1	<0.19
4-Bromophenyl phenyl ether				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Butyl benzyl phthalate	410000	930		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05 J1	<0.056	<0.057	<0.055
Carbazole	290	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4-Chloro-3-methylphenol				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4-Chloroaniline	8200	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
1-Chloronaphthalene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2-Chloronaphthalene	160000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2-Chlorophenol	10000	53000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4-Chlorophenyl phenyl ether				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Chrysene	780	---		<0.06 J3	<0.059	0.078	<0.052	0.17	<0.049	0.47 J1	<0.056	0.29	<0.055
1,2-Dichlorobenzene	180000	560		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
1,3-Dichlorobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
1,4-Dichlorobenzene	---	17000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,4-Dichlorophenol	6100	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Di-n-butyl phthalate	200000	2300		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Di-n-octyl phthalate	41000	10000		<0.2 J3	<0.2	<0.18 O1	<0.18 O1	<0.16 O1	<0.17 O1	<0.17 O1	<0.19 O1	<0.19 O1	<0.19
1,2-Dinitrobenzene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
1,3-Dinitrobenzene	200	---		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
1,4-Dinitrobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,6-Dinitrotoluene	8.4	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,4-Dinitrophenol	4100	---		<0.2 J3	<0.2	<0.18 J3	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
2,4-Dinitrotoluene	8.4	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Dibenz(a,h)anthracene	0.8	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Dibenzofuran	2000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.068	<0.056	0.065	<0.055
3,3'-Dichlorobenzidine	13	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05 J1	<0.056	<0.057	<0.055
2,6-Dichlorophenol				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Diethyl phthalate	1000000	2000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Dimethyl phthalate	1000000	1300		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
p-Dimethylaminoazobenzene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17 J1	<0.19	<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
2,4-Dimethylphenol	41000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4,6-Dinitro-2-methylphenol				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Diphenylamine	51000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Fluoranthene	82000	---		<0.06 J3	<0.059	0.1	<0.052	0.32	<0.049	0.27	<0.056	0.47	<0.055
Fluorene	82000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Hexachlorobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Hexachlorobutadiene	2000			<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Hexachlorocyclopentadiene				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Hexachloroethane	2000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Hexachloropropene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Indeno(1,2,3-cd)pyrene	8	---		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Isodrin				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Isophorone	410000	4600		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Isosafrole				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Mestranol				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Ethyl methanesulfonate				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Methyl methanesulfonate				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2-Methylnaphthalene	8200	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.3	<0.056	0.094	<0.055
2-Methylphenol	100000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4-Methylphenol	200000	170000		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Naphthalene	41000	270		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.18	<0.056	0.11	<0.055
1-Naphthylamine				<0.2 J3	<0.2	<0.18 J3, O2	<0.18 O2	<0.16 O2	<0.17 O2	<0.17 O2	<0.19 O2	<0.19 O2	<0.19
2-Naphthylamine				<0.2 J3	<0.2	<0.18 J3	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
5-Nitroacenaphthene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2-Nitroaniline	31000	28		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
3-Nitroaniline				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4-Nitroaniline	8200	2400		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Nitrobenzene	1000	140		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
4-Nitrobiphenyl				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
2-Nitrophenol				<0.2 J3	<0.2	<0.18 J5	<0.18 J5	<0.16 J5	<0.17 J5	<0.17 J5	<0.19 J5	<0.19 J5	<0.19
4-Nitrophenol	16000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
N-Nitrosodi-n-butylamine				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
N-Nitrosodi-n-propylamine	0.8	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
N-Nitrosopiperidine				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,2'-Oxybis (1-chloropropane)				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Pentachlorobenzene	6100	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Pentachloronitrobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Pentachlorophenol	24	---		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Phenacetin				<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Phenanthrene	61000	---		<0.06 J3	<0.059	0.06	<0.052	0.36	<0.049	0.79	<0.056	0.8	<0.055
Phenol	610000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2-Picoline				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Pronamide				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
Pyrene	61000	---		<0.06 J3	<0.059	0.1	<0.052	0.27	<0.049	0.49 J1	<0.056	0.42	<0.055
Pyridine	2000	200000		<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19	<0.19
Safrole				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
1,2,4,5-Tetrachlorobenzene				<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,3,4,6-Tetrachlorophenol				<0.06 J3	<0.059	<0.053 J3	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
1,2,4-Trichlorobenzene	20000	3200		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,4,5-Trichlorophenol	200000	---		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055
2,4,6-Trichlorophenol	520	390		<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057	<0.055

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
alpha-BHC	0.9	1.5		<0.0023	<0.0022	<0.0021	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0024	<0.0022
beta-BHC				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
delta-BHC				<0.0057 O1	<0.0056 O1	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
gamma-BHC	4	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
alpha-Chlordane	16	140		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
gamma-Chlordane	16	140		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Dieldrin	0.4	2.2		0.0026	<0.0022	<0.0021	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0024	<0.0022
p,p'-DDT	17	1500		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<1.1
p,p'-DDD	24	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	0.017	<0.0058	<0.006	<1.1
p,p'-DDE	17	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	2.6
Endosulfan I	12000	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Endosulfan II				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692
Endosulfan sulfate				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Endrin	610	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Endrin aldehyde				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Endrin ketone				<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	0.017	<0.0058	<0.006	<0.0054
Heptachlor	1	11		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Heptachlor epoxide	0.6	9.2		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Methoxychlor	10000	---		<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006	<0.0054
Toxaphene	5.2	170		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11
Aroclor 1016	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1221	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1232	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1242	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1248	1			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.011
Aroclor 1254	1			0.041	<0.011	<0.011	0.11	0.04	<0.011	5.7	<0.012	<0.012	<0.011
Aroclor 1260	1			0.016	<0.011	<0.011	<0.011	<0.011	<0.011	2.9	<0.012	<0.012	<0.011
PCB, Total	1									8.6			
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q	8.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028	23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		5170	19800	23500	18800	12500	18500	8900	12500		976
Antimony	82.00	---		0.111	0.062	0.063	0.014	0.015	<0.010	0.023	<0.010		0.098
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7		<0.010 B1, J7
Barium	14000.00	870000.00		0.754	2.15	1.15	0.838	0.813	0.628	0.248	0.571		0.798
Beryllium	410.00	44000.00		0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Boron	41000.00	---		47.8	853	280	23.1	28.8	417	235	36.5		78.7
Cadmium	200.00	59000.00		0.616 B2	0.541 B2	0.494 B2	0.154 B2	0.110 B2	<0.005 B2	0.229 B2	0.006 B2		0.108 B2
Calcium	---	---		141000	37200	43900	14200	76900	45800	60700	81300		29100
Chromium	4100.00	690.00		0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		4.98	26.3	18.7	15.3	10.3	21.9	10.6	8.93		2.05
Copper	8200.00	---		1490	8880	10300	78.5	154	12300	2230	64		2010
Cyanide (amenable)	4100.00	---											
Cyanide				0.145 J3, V	<0.035 V	<0.033 V	<0.032 V	<0.032 V	0.101 V	<0.031 V	<0.034 V		0.701 V
Hardness													
Iron	---	---		10900	75300	97900	29500	20800	75500	40300	19800		3270
Lead	700.00	---		7.73	22.8	26	1.75	1.28	0.037	5.47	0.066		36.9
Magnesium	730000.00	---		67900	17300	18500	10200	36500	21200	28000	38400		1470
Manganese	4100.00	8700.00		428	1560	1520	382	538	1830	809	489		457
Mercury	61.00	0.10		0.08 J3	1.05	0.76	0.04	0.22	0.44	0.16	0.02		0.11
Nickel	4100.00	440000.00		0.314	0.255	0.213	0.068	0.064	0.087	0.076	0.083		0.109
Potassium	---	---		1520	2380	2960	3240	3930	2250	1630	4540		<339
Selenium	1000.00	---		0.033 J6, V	0.027 J6, V	0.048 J6, V	0.027 J6, V	0.028 J6, V	0.027 J6, V	<0.025 J5	<0.025 J5		0.041 J6
Silver	1000.00	---		<0.003	0.003	0.003	0.005	0.004	0.006	0.005	<0.003		<0.003
Sodium	---	---		635	4800	3270	<223	335	5830	1270	596		435
Strontium	410000.00	---		75.2	87.5	130	19.6	45.4	120	49.4	56.5		206
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.010 B1		<0.025 B1
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
Zinc	61000.00	---		454	213	235	37.2	29.2	0.625	66.7	2.36		101
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0052	<0.0056	0.024	<0.0045	<0.0052	<0.0045	0.01		<0.0038	<0.0088
Benzene	100	1.6		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Bromobenzene	16000	810		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Bromochloroethene													
Bromochloromethane				<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Bromodichloromethane	92	3000		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Bromoform	720	100		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Bromomethane	2900	15		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
2-Butanone (MEK)	1000000	25000		<0.0052	<0.0056	<0.0047	<0.0045	<0.0052	<0.0045	<0.0044		<0.0038	<0.0088
Carbon Disulfide	200000	720		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Carbon tetrachloride	44	0.64		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Chlorobenzene	41000	210		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Chloroethane	---	1500		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Chloroform	940	0.54		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Chloromethane	---	170		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Dibromochloromethane	92	3000		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,2-Dibromoethane				<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Dibromomethane				<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1-Dichloroethane	200000	1700		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,2-Dichloroethane	63	0.7		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1-Dichloroethene				<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
cis-1,2-Dichloroethene	20000	1200		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
trans-1,2-Dichloroethene	41000	3100		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1-Dichloropropene				<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,2-Dichloropropane	84	23		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,3-Dichloropropane	41000	1000		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
2,2-Dichloropropane				<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
cis-1,3-Dichloropropene	57	2.1		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
trans-1,3-Dichloropropene	57	2.1		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Ethylbenzene	200000	400		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
2-Hexanone (MBK)	10000	720		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Methylene Chloride	760	24		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Methyl tert-butyl ether	20000	8800		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
4-Methyl-2pentanone (MIBK)	---	340		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Stryene	410000	1500		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Tetrachloroethene	110	20		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Trichlorofluoromethane	61000	1400		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Toluene	410000	650		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1,1-Trichloroethane	---	1200		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1,2-Trichloroethane	8200	1800		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,2,3-Trichloropropane	0.19	5		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1,1,2-Tetrachloroethane	61000	2100		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Trichloroethene	520	8.9		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	0.016
Vinyl chloride	7.9	1.1		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Xylenes, Total	410000	320		<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015	<0.0035
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Acenaphthylene	61000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Acetophenone				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Anthracene	610000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Azobenzene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Benzo(a)anthracene	8	---		0.11	0.2	0.13	0.067	0.079	<0.057	0.068	<0.054		0.16
Benzo(b)fluoranthene	8	---		0.14	0.28	0.16	0.12	0.12	<0.057	0.099	<0.054		0.25
Benzo(k)fluoranthene	78	---		<0.06	0.097	0.057	<0.056	<0.054	<0.057	<0.054	<0.054		0.088
Benzo(g,h,i)perylene	61000	---		0.066	0.1	0.064	0.057	<0.054	<0.057	<0.054	<0.054		0.14
Benzo(a)pyrene	0.8	---		0.095	0.19	0.11	0.081	0.086	<0.057	0.069	<0.054		0.18
Bis(2-chloroethyl)ether	5	0.47		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083

IEPA TACO TABLE

E ACTION OBJECTIVE			Lab Sample #	23I0313-02	23I0313-03	23I0313-04	23I0313-06	23I0313-07	23I0313-08	23I0313-09	23I0395-01	23I0313-10	23I0395-03
			Sample Name	SB-73 (12-14)	SB-74 (2-4)	SB-75 (2-4)	SB-76 (1-3)	SB-76 (1-3) D	SB-76 (14-16)	SB-77 (5-7)	SB-77 (14-16)	SB-77 (14-16)	SB-78 (6-8)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
CONSTRUCTION WORKER			Date sampled	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/12/2023
			Time sampled	1:10 PM	1:45 PM	2:25 PM	2:55 PM	2:55 PM	3:40 PM	4:10 PM	4:40 PM	4:40 PM	8:50 AM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	83.44308	88.28654	88.90977	88.02817	90.40836	87.33459	91.90244	86.76028		57.92507
Bis(2-chloroethoxy)methane				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Bis(2-ethylhexyl)phthalate	410	31000		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
4-Bromophenyl phenyl ether				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Butyl benzyl phthalate	410000	930		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Carbazole	290	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4-Chloro-3-methylphenol				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4-Chloroaniline	8200	---		<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
1-Chloronaphthalene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2-Chloronaphthalene	160000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2-Chlorophenol	10000	53000		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4-Chlorophenyl phenyl ether				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Chrysene	780	---		0.17	0.28	0.18	0.091	0.1	<0.057	0.094	<0.054		0.27
1,2-Dichlorobenzene	180000	560		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
1,3-Dichlorobenzene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
1,4-Dichlorobenzene	---	17000		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,4-Dichlorophenol	6100	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Di-n-butyl phthalate	200000	2300		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Di-n-octyl phthalate	41000	10000		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
1,2-Dinitrobenzene				<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
1,3-Dinitrobenzene	200	---		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
1,4-Dinitrobenzene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,6-Dinitrotoluene	8.4	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,4-Dinitrophenol	4100	---		<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
2,4-Dinitrotoluene	8.4	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Dibenz(a,h)anthracene	0.8	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Dibenzofuran	2000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
3,3'-Dichlorobenzidine	13	---		<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,6-Dichlorophenol				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Diethyl phthalate	1000000	2000		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Dimethyl phthalate	1000000	1300		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
p-Dimethylaminoazobenzene				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
7,12-Dimethylbenzo(a)anthracene				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
2,4-Dimethylphenol	41000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4,6-Dinitro-2-methylphenol				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Diphenylamine	51000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Fluoranthene	82000	---		0.23	0.41	0.27	0.13	0.18	<0.057	0.15	<0.054		0.36
Fluorene	82000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Hexachlorobenzene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Hexachlorobutadiene	2000			<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Hexachlorocyclopentadiene				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18 J3		<0.28
Hexachloroethane	2000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Hexachloropropene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Indeno(1,2,3-cd)pyrene	8	---		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Isodrin				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Isophorone	410000	4600		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Isosafrole				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Mestranol				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Ethyl methanesulfonate				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Methyl methanesulfonate				<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2-Methylnaphthalene	8200	---		0.079	0.084	0.065	<0.056	<0.054	<0.057	<0.054	<0.054		0.21
2-Methylphenol	100000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4-Methylphenol	200000	170000		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Naphthalene	41000	270		0.11	0.081	0.071	<0.056	<0.054	<0.057	<0.054	<0.054		0.2
1-Naphthylamine				<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
2-Naphthylamine				<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
5-Nitroacenaphthene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2-Nitroaniline	31000	28		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
3-Nitroaniline				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4-Nitroaniline	8200	2400		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Nitrobenzene	1000	140		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
4-Nitrobiphenyl				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
2-Nitrophenol				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18 J5		<0.28
4-Nitrophenol	16000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
N-Nitrosodi-n-butylamine				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
N-Nitrosodi-n-propylamine	0.8	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
N-Nitrosopiperidine				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,2'-Oxybis (1-chloropropane)				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Pentachlorobenzene	6100	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Pentachloronitrobenzene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Pentachlorophenol	24	---		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Phenacetin				<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Phenanthrene	61000	---		0.37	0.47	0.35	0.059	0.12	<0.057	0.14	<0.054		0.41
Phenol	610000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		0.086
2-Picoline				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Pronamide				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
Pyrene	61000	---		0.21	0.38	0.25	0.1	0.13	<0.057	0.11	<0.054		0.3
Pyridine	2000	200000		<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18		<0.28
Safrole				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
1,2,4,5-Tetrachlorobenzene				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,3,4,6-Tetrachlorophenol				<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
1,2,4-Trichlorobenzene	20000	3200		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,4,5-Trichlorophenol	200000	---		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083
2,4,6-Trichlorophenol	520	390		<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054		<0.083

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
alpha-BHC	0.9	1.5		<0.0024	<0.0023	<0.0022 J1	<0.0022	<0.0022	<0.0023	<0.0022	<0.0023		<0.0032
beta-BHC				<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
delta-BHC				<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		0.4
gamma-BHC	4	---		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
alpha-Chlordane	16	140		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
gamma-Chlordane	16	140		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Dieldrin	0.4	2.2		<0.0024 J3	<0.0023	<0.0022 J1	<0.0022	<0.0022	<0.0023	<0.0022	<0.0023		<0.0032
p,p'-DDT	17	1500		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
p,p'-DDD	24	---		0.007 J3	0.0076	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
p,p'-DDE	17	---		0.019 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Endosulfan I	12000	---		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Endosulfan II				<0.0059 J3	<0.0056	0.0089 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028	23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507
Endosulfan sulfate				<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Endrin	610	---		<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Endrin aldehyde				<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Endrin ketone				<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		0.0095
Heptachlor	1	11		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Heptachlor epoxide	0.6	9.2		<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Methoxychlor	10000	---		<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057		<0.0079
Toxaphene	5.2	170		<0.12	<0.11	<0.11 J1	<0.11	<0.11	<0.11	<0.11	<0.11		<0.16
Aroclor 1016	1			<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011		<0.016
Aroclor 1221	1			<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011		<0.016
Aroclor 1232	1			<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011		<0.016
Aroclor 1242	1			<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011		<0.016
Aroclor 1248	1			<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011 J3	<0.011		<0.016
Aroclor 1254	1			0.36 I	7.1	2	0.035	0.031	<0.011	<0.011	0.025		93
Aroclor 1260	1			<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011		<0.016
PCB, Total	1				7.1	2							93
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q		8.9 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation											
			Lab Sample #	23I0395-04	23I0395-05	23I0395-06	23I0387-04	23I0387-05	23I0387-06	23I0394-02	23I0394-03	23I0394-05	23I0394-08
			Sample Name	SB-78 (13-15)	SB-79 (5-7)	SB-79 (12-14)	SB-80 (1-3)	SB-80 (1-3)D	SB-80 (8-11)	SB-80 (11-12)	SB-81 (7-9)	SB-81 (10-12)	SB-82 (4-6)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023
			Time sampled	9:20 AM	9:55 AM	10:15 AM	2:00 PM	2:00 PM	2:25 PM	3:00 PM	3:50 PM	4:10 PM	4:50 PM
			% Solids	86.27087	80.48077	80.81003	87.91423	85.56985	78.37573	85.47486	78.80725	82.28461	85.1958
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		12500	5660	11500	9430	12800	46100	9120	9280	10200	13900
Antimony	82.00	---		<0.010	0.119	<0.010	<0.010	<0.010	0.099	<0.010	0.06	0.026	0.033
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 J7, B1	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	14000.00	870000.00		0.647	0.786	0.734	0.413	0.425	1.54	0.48	3.58	0.806	0.628
Beryllium	410.00	44000.00		<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Boron	41000.00	---		27.2	9.32	20.1	20.8	24.4	201	30.0 I, J3	59.6	41.3	57.5
Cadmium	200.00	59000.00		0.004 B2	0.493 B2	0.003 B2	0.005 B2	<0.005 B2	0.430 B2	0.019 B2	0.259 B2	0.140 B2	0.086 B2
Calcium	---	---		83500	114000	72800	46000	68500	46100	93400	20500	30500	92500
Chromium	4100.00	690.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		9.88	6.9	10.6	7.84	8.14	69.6	12.2 I	9.18	10.2	11.7
Copper	8200.00	---		239	16.7	19.2	70.4	30.9	16100	45.4 I	6990	1110	71
Cyanide (amenable)	4100.00	---											
Cyanide				<0.032 V	0.091 V	<0.034 V	0.073 V	<0.035 V	<0.036 V	<0.035 V	0.259	0.035 V	0.663
Hardness													
Iron	---	---		17800	14800	18600	19900	20800	214000	17300 I	36400	21300	17600
Lead	700.00	---		0.075	15	0.007	0.015	0.013	102	0.009	26.5	2.03	1.86
Magnesium	730000.00	---		38000	53800	35100	21600	33100	6560	36400	8460	16200	38400
Manganese	4100.00	8700.00		493	486	510	1300	457	2620	703 I	700	371	589
Mercury	61.00	0.10		0.02	0.03	0.01	0.09	0.02	0.08	0.03 J3	0.67 J3	0.1	0.02
Nickel	4100.00	440000.00		0.109	0.768	0.034	0.009	0.008	0.143	0.01	0.115	0.041	0.06
Potassium	---	---		4370	1260	3570	2240	3950	5370	3100	1420	2020	4390
Selenium	1000.00	---		0.028 J6	0.036 J6	<0.025 J5	<0.025 J5	0.032 J6, V	0.037 J6, V	<0.025 J5	0.027 J6	0.032 J6	0.031 J6
Silver	1000.00	---		0.005	<0.003	0.005	0.005	0.004	<0.003	0.006	<0.003	<0.003	0.004
Sodium	---	---		344	376	263	382	436	11200	293	1140	1570	953
Strontium	410000.00	---		63.2	40	44.6	28.3	43	168	53.9 I	74	50.4	54.5
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	61000.00	---		1.36	624	0.15	0.599	0.157	80.9	0.752	68.3	60.9	16.2
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0043	0.01	<0.005	<0.0041	<0.0046	0.0084	<0.0045	<0.0058	<0.0053	0.018
Benzene	100	1.6		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Bromobenzene	16000	810		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Bromochloroethene													
Bromochloromethane				<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Bromodichloromethane	92	3000		<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Bromoform	720	100		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Bromomethane	2900	15		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
2-Butanone (MEK)	1000000	25000		<0.0043	<0.0051	<0.005	<0.0041	<0.0046	<0.005	<0.0045	<0.0058	<0.0053	<0.005
Carbon Disulfide	200000	720		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	0.0026
Carbon tetrachloride	44	0.64		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Chlorobenzene	41000	210		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Chloroethane	---	1500		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Chloroform	940	0.54		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Chloromethane	---	170		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Dibromochloromethane	92	3000		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,2-Dibromoethane				<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Dibromomethane				<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,1-Dichloroethane	200000	1700		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,2-Dichloroethane	63	0.7		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,1-Dichloroethene				<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	0.01
cis-1,2-Dichloroethene	20000	1200		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	0.061
trans-1,2-Dichloroethene	41000	3100		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	0.0089
1,1-Dichloropropene				<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,2-Dichloropropane	84	23		<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,3-Dichloropropane	41000	1000		<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
2,2-Dichloropropane				<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
cis-1,3-Dichloropropene	57	2.1		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
trans-1,3-Dichloropropene	57	2.1		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Ethylbenzene	200000	400		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
2-Hexanone (MBK)	10000	720		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	0.0035	<0.0021	<0.002
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Methylene Chloride	760	24		<0.0017	<0.002	<0.002	<0.0016	0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Methyl tert-butyl ether	20000	8800		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
4-Methyl-2pentanone (MIBK)	---	340		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Stryene	410000	1500		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Tetrachloroethene	110	20		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	0.022
Trichlorofluoromethane	61000	1400		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Toluene	410000	650		<0.0017	0.0043	0.0038	0.0041	0.0033	0.0037	<0.0018	<0.0023	<0.0021	<0.002
1,1,1-Trichloroethane	---	1200		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,1,2-Trichloroethane	8200	1800		<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,2,3-Trichloropropane	0.19	5		<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,1,1,2-Tetrachloroethane	61000	2100		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	0.011	<0.0021	<0.002
Trichloroethene	520	8.9		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Vinyl chloride	7.9	1.1		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	<0.002
Xylenes, Total	410000	320		<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021	0.0026
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	0.16	<0.059	0.088
Acenaphthylene	61000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Acetophenone				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Anthracene	610000	---		<0.058	<0.06	<0.058	<0.055	<0.055	0.088	<0.057	0.26	0.083	0.18
Azobenzene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Benzo(a)anthracene	8	---		<0.058	<0.06	<0.058	0.089	<0.055	0.18	<0.057 J1	0.29	0.11	0.48
Benzo(b)fluoranthene	8	---		<0.058	<0.06	<0.058	0.17	<0.055	0.23	<0.057	0.28	<0.059	0.58
Benzo(k)fluoranthene	78	---		<0.058	<0.06	<0.058	0.066	<0.055	0.089	<0.057	0.12	<0.059	0.22
Benzo(g,h,i)perylene	61000	---		<0.058	<0.06	<0.058	0.064	<0.055	0.082	<0.057	0.15	<0.059	0.34
Benzo(a)pyrene	0.8	---		<0.058	<0.06	<0.058	0.1	<0.055	0.15	<0.057	0.2	<0.059	0.45
Bis(2-chloroethyl)ether	5	0.47		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055

IEPA TACO TABLE

E ACTION OBJECTIVE		Lab Sample #	23I0395-04	23I0395-05	23I0395-06	23I0387-04	23I0387-05	23I0387-06	23I0394-02	23I0394-03	23I0394-05	23I0394-08
		Sample Name	SB-78 (13-15)	SB-79 (5-7)	SB-79 (12-14)	SB-80 (1-3)	SB-80 (1-3)D	SB-80 (8-11)	SB-80 (11-12)	SB-81 (7-9)	SB-81 (10-12)	SB-82 (4-6)
		Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
CONSTRUCTION WORKER		Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023
		Time sampled	9:20 AM	9:55 AM	10:15 AM	2:00 PM	2:00 PM	2:25 PM	3:00 PM	3:50 PM	4:10 PM	4:50 PM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	86.27087	80.48077	80.81003	87.91423	85.56985	78.37573	85.47486	78.80725	82.28461	85.1958
Bis(2-chloroethoxy)methane				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Bis(2-ethylhexyl)phthalate	410	31000		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
4-Bromophenyl phenyl ether				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Butyl benzyl phthalate	410000	930		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Carbazole	290	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	0.099
4-Chloro-3-methylphenol				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
4-Chloroaniline	8200	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
1-Chloronaphthalene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2-Chloronaphthalene	160000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2-Chlorophenol	10000	53000		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
4-Chlorophenyl phenyl ether				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Chrysene	780	---		<0.058	<0.06	<0.058	0.12	<0.055	0.25	<0.057 J1	0.48	0.18	0.54
1,2-Dichlorobenzene	180000	560		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
1,3-Dichlorobenzene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
1,4-Dichlorobenzene	---	17000		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2,4-Dichlorophenol	6100	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Di-n-butyl phthalate	200000	2300		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
Di-n-octyl phthalate	41000	10000		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
1,2-Dinitrobenzene				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
1,3-Dinitrobenzene	200	---		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
1,4-Dinitrobenzene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2,6-Dinitrotoluene	8.4	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2,4-Dinitrophenol	4100	---		<0.2	<0.2	<0.2	<0.19 O2	<0.19 O2	<0.2 O2	<0.19 J1, O2	<0.21 O2	<0.2	<0.19
2,4-Dinitrotoluene	8.4	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Dibenz(a,h)anthracene	0.8	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	0.064
Dibenzofuran	2000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
3,3'-Dichlorobenzidine	13	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2,6-Dichlorophenol				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Diethyl phthalate	1000000	2000		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Dimethyl phthalate	1000000	1300		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
p-Dimethylaminoazobenzene				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
2,4-Dimethylphenol	41000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
4,6-Dinitro-2-methylphenol				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
Diphenylamine	51000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Fluoranthene	82000	---		<0.058	<0.06	<0.058	0.19	<0.055	0.39	<0.057	0.54	0.075	1
Fluorene	82000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	0.19	0.11	0.082
Hexachlorobenzene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Hexachlorobutadiene	2000			<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Hexachlorocyclopentadiene				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
Hexachloroethane	2000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Hexachloropropene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Indeno(1,2,3-cd)pyrene	8	---		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	0.34
Isodrin				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Isophorone	410000	4600		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
Isosafrole				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Mestranol				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
Ethyl methanesulfonate				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Methyl methanesulfonate				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2-Methylnaphthalene	8200	---		<0.058	<0.06	<0.058	<0.055	<0.055	0.11	<0.057	0.3	0.11	<0.055
2-Methylphenol	100000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
4-Methylphenol	200000	170000		<0.058	<0.06	<0.058	<0.055	<0.055	0.096	<0.057 J1	<0.06	<0.059	<0.055
Naphthalene	41000	270		<0.058	<0.06	<0.058	<0.055	<0.055	0.12	<0.057	0.2	<0.059	<0.055
1-Naphthylamine				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
2-Naphthylamine				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
5-Nitroacenaphthene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
2-Nitroaniline	31000	28		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
3-Nitroaniline				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
4-Nitroaniline	8200	2400		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Nitrobenzene	1000	140		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
4-Nitrobiphenyl				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
2-Nitrophenol				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
4-Nitrophenol	16000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
N-Nitrosodi-n-butylamine				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
N-Nitrosodi-n-propylamine	0.8	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
N-Nitrosopiperidine				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
2,2'-Oxybis (1-chloropropane)				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Pentachlorobenzene	6100	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Pentachloronitrobenzene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Pentachlorophenol	24	---		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
Phenacetin				<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2	<0.19
Phenanthrene	61000	---		<0.058	0.1	<0.058	0.12	<0.055	0.45	<0.057	0.91	0.36	0.86
Phenol	610000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2-Picoline				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
Pronamide				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
Pyrene	61000	---		<0.058	<0.06	<0.058	0.16	<0.055	0.36	<0.057 J1	0.98	0.29	0.97
Pyridine	2000	200000		<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2	<0.19
Safrole				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
1,2,4,5-Tetrachlorobenzene				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2,3,4,6-Tetrachlorophenol				<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
1,2,4-Trichlorobenzene	20000	3200		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059	<0.055
2,4,5-Trichlorophenol	200000	---		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055
2,4,6-Trichlorophenol	520	390		<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059	<0.055

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
alpha-BHC	0.9	1.5		<0.0023	<0.0023	<0.0025	<0.0021	<0.0023	<0.0025	<0.0022	<0.0023	<0.0023	<0.0023 J3
beta-BHC				<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
delta-BHC				<0.0056	<0.0058	<0.0061 Q1	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
gamma-BHC	4	---		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
alpha-Chlordane	16	140		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
gamma-Chlordane	16	140		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Dieldrin	0.4	2.2		<0.0023	<0.0023	<0.0025	<0.0021	<0.0023	<0.0025	<0.0022	<0.0023	<0.0023	<0.0023 J3
p,p'-DDT	17	1500		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
p,p'-DDD	24	---		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057
p,p'-DDE	17	---		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Endosulfan I	12000	---		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Endosulfan II				<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958
Endosulfan sulfate				<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057
Endrin	610	---		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Endrin aldehyde				<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Endrin ketone				<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Heptachlor	1	11		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057
Heptachlor epoxide	0.6	9.2		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057 J3
Methoxychlor	10000	---		<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058	<0.0057
Toxaphene	5.2	170		<0.11	<0.12	<0.12	<0.11	<0.12	<0.12	<0.11	<0.12	<0.12	<0.11
Aroclor 1016	1			<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	0.099
Aroclor 1221	1			<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1232	1			<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1242	1			<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1248	1			<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
Aroclor 1254	1			0.046	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	0.12
Aroclor 1260	1			<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011
PCB, Total	1												
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q	9.9 I, Q	9.7 I, Q	11.0 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids									
				23I0393-01	23I0393-04	23I0394-06	23I0394-07	23I0393-02	23I0393-03	23I0451-01	23I0451-02	23I0451-03	23I0451-09
				SB-82 (8-9)	SB-82 (14-16)	SB-83 (5-7)	SB-83 (10-12)	SB-84 (1-3)	SB-84 (10-12)	SB-85 (3-5)	SB-85 (10-12)	SB-86 (10-12)	SB-86 (14-16)
				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023
				5:00 PM	5:10 PM	4:20 PM	4:35 PM	5:05 PM	5:15 PM	8:40 AM	9:05 AM	8:50 AM	9:00 AM
				80.55281	87.93619	78.04878	86.8472	85.50725	86.98167	86.14931	85.90102	78.35249	87.34884
Inorganics - mg/kg or mg/L													
Aluminum	200000.00	870000.00		10500	6040	25000	6720	11800	4400	12100	9580	10400	11200
Antimony	82.00	---		0.048	<0.010	<0.010	<0.010	<0.010	<0.010	0.065	<0.010	0.028	<0.010
Arsenic	61.00	25000.00		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, I, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
Barium	14000.00	870000.00		0.802	0.343	0.366	0.424	0.472	0.396 I	0.452 I	0.345	0.755	0.681
Beryllium	410.00	44000.00		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
Boron	41000.00	---		65.9	64.9	13.8	11.2	22.6	8.21	695	25.4	21.3	24.1
Cadmium	200.00	59000.00		0.090 B2	<0.003 B2	0.006 B2	<0.003 B2	<0.005 B2	<0.003 B2	0.505 B2, I	0.003 B2	0.112 B2	<0.003 B2
Calcium	---	---		71200	79100	5210	98700	89100	50600	62900	91100	68900	83700
Chromium	4100.00	690.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	4100.00	690.00											
Cobalt	12000.00	---		7.94	5.8	21.2	11	7.66	3.2	17.9	8	8.24	9.65
Copper	8200.00	---		549	16.7	27.2	17.5	23.7	16.5	13100	17.7	3060	82
Cyanide (amenable)	4100.00	---											
Cyanide				0.037 J3	0.054	<0.038 J3, V	<0.031 J3, V	<0.034 J3	0.04	0.07	<0.035	0.184	<0.032
Hardness													
Iron	---	---		17200	13100	49000	21800	16900	6780	44300	16300	21700	17800
Lead	700.00	---		2.76	<0.005	0.053	<0.005	0.018	0.005	30.1	0.013	3.78	<0.010
Magnesium	730000.00	---		36900	40300	7270	48400	43300	27700	24500	44000	32600	40200
Manganese	4100.00	8700.00		550	479	431	632	412	268	4560	602	585	545
Mercury	61.00	0.10		0.17	0.01	0.04	0.009	0.02	1.03	0.73	0.01	0.38	0.02
Nickel	4100.00	440000.00		0.063	0.056	0.019	0.01	0.012	0.012	0.371 I	0.011	0.048	0.066
Potassium	---	---		3750	2000	2620	1800	3740	1180	964	3360	3210	4180
Selenium	1000.00	---		0.032 J6, V	0.029 J6	0.027 J6	0.025 J6	0.033 J6, V	0.034 J6	0.029 J3, J6	0.031 J6	0.039 J6	0.029 J6
Silver	1000.00	---		<0.003	0.004	<0.003	0.004	0.005	0.004	<0.012	<0.012	<0.012	<0.012
Sodium	---	---		1680	1560	<256	247	662	<225	4580	234	1480	784
Strontium	410000.00	---		59.9	36.8	30.7	35.6	55.4	19.2	128	47.4	59.4	64.2
Thallium	160.00	---		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1, J3	<0.025 B1, I	0.035 B1	<0.025 B1	0.029 B1
Vanadium	1400.00	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 B1	<0.005 B1	<0.005 B1	<0.005 B1
Zinc	61000.00	---		17.1	0.282	0.968	<0.025	0.071	<0.025	260	0.031	19.1	<0.025
Volatiles Organics - mg/kg or mg/L													
Acetone	---	100000		<0.0046	<0.0044	0.029	<0.0043	<0.0049	<0.0048	0.0086	<0.0043	0.0094	<0.0042
Benzene	100	1.6		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Bromobenzene	16000	810		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Bromochloroethene													
Bromochloromethane				<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Bromodichloromethane	92	3000		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Bromoform	720	100		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Bromomethane	2900	15		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
2-Butanone (MEK)	1000000	25000		<0.0046	<0.0044	0.0071	<0.0043	<0.0049	<0.0048	<0.0045	<0.0043	<0.0057	<0.0042
Carbon Disulfide	200000	720		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Carbon tetrachloride	44	0.64		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Chlorobenzene	41000	210		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Chloroethane	---	1500		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Chloroform	940	0.54		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Chloromethane	---	170		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Dibromochloromethane	92	3000		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,2-Dibromoethane				<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Dibromomethane				<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,1-Dichloroethane	200000	1700		<0.0018	<0.0018	<0.0021	0.0023	<0.002	0.0043	<0.0018	<0.0017	<0.0023	<0.0017
1,2-Dichloroethane	63	0.7		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,1-Dichloroethene				<0.0018	<0.0018	0.0033	0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
cis-1,2-Dichloroethene	20000	1200		0.02	<0.0018	0.032	0.17	<0.002	0.039	<0.0018	<0.0017	<0.0023	<0.0017
trans-1,2-Dichloroethene	41000	3100		<0.0018	<0.0018	<0.0021	0.0073	<0.002	0.0054	<0.0018	<0.0017	<0.0023	<0.0017
1,1-Dichloropropene				<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,2-Dichloropropane	84	23		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,3-Dichloropropane	41000	1000		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
2,2-Dichloropropane				<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
cis-1,3-Dichloropropene	57	2.1		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
trans-1,3-Dichloropropene	57	2.1		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Ethylbenzene	200000	400		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
2-Hexanone (MBK)	10000	720		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Isobutyl acetate													
Isopropylbenzene (Cumene)	200000	800		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Methylene Chloride	760	24		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Methyl tert-butyl ether	20000	8800		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
4-Methyl-2pentanone (MIBK)	---	340		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Stryene	410000	1500		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Tetrachloroethene	110	20		<0.0018	<0.0018	<0.0021	0.0029	<0.002	0.0042	<0.0018	<0.0017	<0.0023	<0.0017
Trichlorofluoromethane	61000	1400		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Toluene	410000	650		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	0.0024	0.0027	0.005	<0.0017
1,1,1-Trichloroethane	---	1200		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	0.011	<0.0018	<0.0017	<0.0023	<0.0017
1,1,2-Trichloroethane	8200	1800		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,2,3-Trichloropropane	0.19	5		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,1,1,2-Tetrachloroethane	61000	2100		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
1,1,2,2-Tetrachloroehtane	12000	2000		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Trichloroethene	520	8.9		0.0036	<0.0018	<0.0021	<0.0017	0.0041	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Vinyl chloride	7.9	1.1		0.0049	<0.0018	<0.0021	0.0097	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Xylenes, Total	410000	320		<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023	<0.0017
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	120000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.12	<0.057	<0.063	<0.054
Acenaphthylene	61000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Acetophenone				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Anthracene	610000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.28	<0.057	<0.063	<0.054
Azobenzene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Benzo(a)anthracene	8	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.59	<0.057	0.18	<0.054
Benzo(b)fluoranthene	8	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.8	<0.057	0.26	<0.054
Benzo(k)fluoranthene	78	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.28	<0.057	0.1	<0.054
Benzo(g,h,i)perylene	61000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.26	<0.057	0.1	<0.054
Benzo(a)pyrene	0.8	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.49	<0.057	0.16	<0.054
Bis(2-chloroethyl)ether	5	0.47		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054

IEPA TACO TABLE

	E ACTION OBJECTIVE		Lab Sample #	23I0393-01	23I0393-04	23I0394-06	23I0394-07	23I0393-02	23I0393-03	23I0451-01	23I0451-02	23I0451-03	23I0451-09
			Sample Name	SB-82 (8-9)	SB-82 (14-16)	SB-83 (5-7)	SB-83 (10-12)	SB-84 (1-3)	SB-84 (10-12)	SB-85 (3-5)	SB-85 (10-12)	SB-86 (10-12)	SB-86 (14-16)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	CONSTRUCTION WORKER		Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023
			Time sampled	5:00 PM	5:10 PM	4:20 PM	4:35 PM	5:05 PM	5:15 PM	8:40 AM	9:05 AM	8:50 AM	9:00 AM
CHEMICAL NAME	Ingestion	Inhalation	% Solids	80.55281	87.93619	78.04878	86.8472	85.50725	86.98167	86.14931	85.90102	78.35249	87.34884
Bis(2-chloroethoxy)methane				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Bis(2-ethylhexyl)phthalate	410	31000		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
4-Bromophenyl phenyl ether				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Butyl benzyl phthalate	410000	930		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Carbazole	290	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.23	<0.057	<0.063	<0.054
4-Chloro-3-methylphenol				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
4-Chloroaniline	8200	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
1-Chloronaphthalene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2-Chloronaphthalene	160000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2-Chlorophenol	10000	53000		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
4-Chlorophenyl phenyl ether				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Chrysene	780	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.74	<0.057	0.22	<0.054
1,2-Dichlorobenzene	180000	560		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
1,3-Dichlorobenzene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
1,4-Dichlorobenzene	---	17000		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,4-Dichlorophenol	6100	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Di-n-butyl phthalate	200000	2300		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Di-n-octyl phthalate	41000	10000		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
1,2-Dinitrobenzene				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
1,3-Dinitrobenzene	200	---		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
1,4-Dinitrobenzene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,6-Dinitrotoluene	8.4	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,4-Dinitrophenol	4100	---		<0.21 O2	<0.18 O2	<0.21	<0.19	<0.19 O2	<0.19 O2	<0.18	<0.19	<0.21	<0.18
2,4-Dinitrotoluene	8.4	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Dibenz(a,h)anthracene	0.8	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Dibenzofuran	2000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.17	<0.057	<0.063	<0.054
3,3'-Dichlorobenzidine	13	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,6-Dichlorophenol				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Diethyl phthalate	1000000	2000		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Dimethyl phthalate	1000000	1300		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
p-Dimethylaminoazobenzene				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
2,4-Dimethylphenol	41000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
4,6-Dinitro-2-methylphenol				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Diphenylamine	51000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Fluoranthene	82000	---		0.072	<0.053	<0.061	<0.057	0.076	<0.057	1.7	<0.057	0.39	<0.054
Fluorene	82000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.15	<0.057	<0.063	<0.054
Hexachlorobenzene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Hexachlorobutadiene	2000			<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Hexachlorocyclopentadiene				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Hexachloroethane	2000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Hexachloropropene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Indeno(1,2,3-cd)pyrene	8	---		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	0.28	<0.19	<0.21	<0.18
Isodrin				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Isophorone	410000	4600		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Isosafrole				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Mestranol				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Ethyl methanesulfonate				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Methyl methanesulfonate				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2-Methylnaphthalene	8200	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.15	<0.057	<0.063	<0.054
2-Methylphenol	100000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
4-Methylphenol	200000	170000		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Naphthalene	41000	270		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.24	<0.057	<0.063	<0.054
1-Naphthylamine				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
2-Naphthylamine				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
5-Nitroacenaphthene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2-Nitroaniline	31000	28		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
3-Nitroaniline				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
4-Nitroaniline	8200	2400		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Nitrobenzene	1000	140		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
4-Nitrobiphenyl				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
2-Nitrophenol				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
4-Nitrophenol	16000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
N-Nitrosodi-n-butylamine				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
N-Nitrosodi-n-propylamine	0.8	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
N-Nitrosopiperidine				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,2'-Oxybis (1-chloropropane)				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Pentachlorobenzene	6100	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Pentachloronitrobenzene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Pentachlorophenol	24	---		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Phenacetin				<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Phenanthrene	61000	---		0.12	<0.053	<0.061	<0.057	0.064	<0.057	1.9	<0.057	0.24	<0.054
Phenol	610000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2-Picoline				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Pronamide				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
Pyrene	61000	---		0.082	<0.053	<0.061	<0.057	0.061	<0.057	1.2	<0.057	0.29	<0.054
Pyridine	2000	200000		<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21	<0.18
Safrole				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
1,2,4,5-Tetrachlorobenzene				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,3,4,6-Tetrachlorophenol				<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
1,2,4-Trichlorobenzene	20000	3200		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,4,5-Trichlorophenol	200000	---		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054
2,4,6-Trichlorophenol	520	390		<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063	<0.054

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.3	6.6		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
alpha-BHC	0.9	1.5		<0.0024	<0.0022	<0.0025	<0.0022	<0.0022	<0.0023	<0.0023	<0.0022	<0.0024	<0.0022
beta-BHC				<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
delta-BHC				<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057 O1	<0.0055 O1	<0.006 O1	<0.0056
gamma-BHC	4	---		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
alpha-Chlordane	16	140		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
gamma-Chlordane	16	140		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Dieldrin	0.4	2.2		<0.0024	<0.0022	<0.0025	<0.0022	<0.0022	<0.0023	0.064	<0.0022	0.0024	<0.0022
p,p'-DDT	17	1500		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
p,p'-DDD	24	---		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
p,p'-DDE	17	---		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	0.008	<0.0055	<0.006	<0.0056
Endosulfan I	12000	---		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Endosulfan II				<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056

IEPA TACO TABLE

CHEMICAL NAME	E ACTION OBJECTIVE CONSTRUCTION WORKER Ingestion	Inhalation	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249	23I0451-09 SB-86 (14-16) Soil 9/13/2023 9:00 AM 87.34884
Endosulfan sulfate				<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Endrin	610	---		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Endrin aldehyde				<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Endrin ketone				<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	0.023	<0.0055	<0.006	<0.0056
Heptachlor	1	11		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Heptachlor epoxide	0.6	9.2		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	0.0064	<0.0055	<0.006	<0.0056
Methoxychlor	10000	---		<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006	<0.0056
Toxaphene	5.2	170		<0.12	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12	<0.11
Aroclor 1016	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.011
Aroclor 1221	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.011
Aroclor 1232	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.011
Aroclor 1242	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.011
Aroclor 1248	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.011
Aroclor 1254	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	1.3	<0.011	<0.012	<0.011
Aroclor 1260	1			<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	0.48	<0.011	<0.012	<0.011
PCB, Total	1									1.78			
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	1000000	100000											
pH - Standard Units													
pH	12			10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	7.7 I, Q	8.4 I, Q	10.3 I, Q	9.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1213-01 X201 Soil 9/28/2022 4:00 PM 75.29644	22I1213-02 X301 Soil 9/28/2022 4:40 PM 99.1	22I1083-01 SB01 5-8 Soil 9/26/2022 1:45 PM 80.21978	22I1083-02 SB01 10-12 Soil 9/26/2022 2:10 PM 84.01598	22I1083-03 SB02 5-8 Soil 9/26/2022 2:05 PM 80.2775	22I1083-04 SB02 9-12 Soil 9/26/2022 2:20 PM 86.52695	22I1083-05 SB03 0-3 Soil 9/26/2022 2:45 PM 91.43427	22I1083-06 SB03 4-7 Soil 9/26/2022 2:50 PM 85.25896	22I1083-07 SB03 9-11 Soil 9/26/2022 3:05 PM 83.8806	22I1083-08 SB04 4-7 Soil 9/26/2022 2:50 PM 78.99497
pH - Standard Units													
pH													
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		10300	33400	6010	5670	16500	13400	13400	12700	7420	11500 J3
Antimony	all	5		3.67 B2	47.6 B2	<2.44 B2	<2.38 B2	4.20 B2	2.88 B2	3.24 B2	29.4 B2	2.53 B2	26.0 B2, J3
Arsenic	6.25 - 6.64	29		10.1 B2	9.73 B2	4.78 B2	4.87 B2	4.68 B2	7.59 B2	11.4 B2	16.3	6.09 B2	21
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31											
	8.25 to 8.74	32											
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		60.7	435	22.3	16.5	131	23.7	59.3	133	13.8	139
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.26	97.1	<0.24	<0.24	<0.25	<0.23	<0.22	8.03	<0.24	3.47
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		28.7 B1	5990 B1	11.6 B1	6.35 B1	19.4 B1	19.2 B1	14.9 B1	319 B1	18.4 B1	153 B1, J3
Cadmium	**6.25 to 6.4**	5.2		6.20 B2	42.20	2.66 B2	3.95 B2	6.16 B2	6.08 B2	4.67 B2	27.3 B2	5.44 B2	23.7 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		75600	20100	85800	84500	4970	40300	80000	92500	51200	6700 J3
Chromium	**NS**	NS		15.2	96.8	10.3	9.17	23.4	19.9	19.5	54.2	12.7	38.0 J3
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		9.61	70	6.02	7.67	9.36	10.3	9.5	10.6	8.62	8.37
Copper	**6.25 to 6.64**	59,000		138	14400	27.4	21.8	32.2	22.3	32	6810	31	12100 J3
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.071		<0.037	<0.033	0.338	<0.032	<0.032	0.159	<0.034	0.393 J3, V
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		16600	205000	10200	16600	20300	28000	19300	32900	13300	17700 J3, I
Lead	**6.25 to 6.64**	--		69.5	6530	8.77	6.85	22.3	10.6	21.2	9260	17.7	3660
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		37200	10200	45100	41700	5910	27500	38300	54100	30600	3340 J3
Manganese	**NRO**	1,924		638	7440	594	539	1210	324	557	818	403	771
Mercury	**6.25 to 6.64**	0.89		0.04	0.03 J3	0.08	0.009	0.03	0.01	0.02	0.29	0.02	0.24 J3
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		21.6	696	12.7	15.6	19.1	31.5	23.2	101	20.7	114 J3
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		2330	1750	1860	1650	2770	4200	3630	1690	2620	463
Selenium	**6.25 to 6.64**	6.3		5.03 B2	30.6 B2	<2.44 B2	<2.38 B2	4.82 B2	<2.31 B2	<2.19 B2	<2.35 B2	<2.38 B2	9.69 B2

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1213-01 X201 Soil 9/28/2022 4:00 PM 75.29644	22I1213-02 X301 Soil 9/28/2022 4:40 PM 99.1	22I1083-01 SB01 5-8 Soil 9/26/2022 1:45 PM 80.21978	22I1083-02 SB01 10-12 Soil 9/26/2022 2:10 PM 84.01598	22I1083-03 SB02 5-8 Soil 9/26/2022 2:05 PM 80.2775	22I1083-04 SB02 9-12 Soil 9/26/2022 2:20 PM 86.52695	22I1083-05 SB03 0-3 Soil 9/26/2022 2:45 PM 91.43427	22I1083-06 SB03 4-7 Soil 9/26/2022 2:50 PM 85.25896	22I1083-07 SB03 9-11 Soil 9/26/2022 3:05 PM 83.8806	22I1083-08 SB04 4-7 Soil 9/26/2022 2:50 PM 78.99497
pH - Standard Units													
pH													
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		0.78	1.94	0.91	0.75	<0.62	<0.58	0.6	3.94	<0.60	5.24 J3
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		415	32000	335	<238	440	407	819	2350	304	625
Strontium	**NRO**	NRO		55.8	91.4	37	37.5	24.4	25.9	48	66.7	29.6	40.8 J3
Thallium	**6.25 to 6.64**	2.6		<2.60 B2	16.4 B2	<2.44 B2	<2.38 B2	<2.49 B2	4.55 B2	<2.19 B2	10.2 B2	<2.38 B2	<2.58 B2, I
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		19.6 B1	18.4 B1	13.6 B1	14.5 B1	28.1 B1	20.2 B1	25.7 B1	14.4 B1	16.2 B1	11.2
Zinc	**6.25 to 6.64**	5100		760	129000	358	82.2	583	1190	98.2	17700	1080	23500
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.63 I		0.019	<0.0049	0.022	<0.0048	<0.0044	<0.0043	<0.0049	<0.0059
Benzene		0.03		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Bromobenzene		0.86		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Bromochloroethene													
Bromochloromethane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Bromodichloromethane		0.6		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Bromoform		0.8		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Bromomethane		0.2		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
2-Butanone (MEK)		17		<0.63 I		<0.0059	<0.0049	0.007	<0.0048	<0.0044	<0.0043	<0.0049	<0.0059
Carbon Disulfide		32		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Carbon tetrachloride		0.07		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Chlorobenzene		1		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Chloroethane		---		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Chloroform		0.6		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Chloromethane		---		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Dibromochloromethane		0.4		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,2-Dibromoethane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Dibromomethane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1-Dichloroethane		23		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,2-Dichloroethane		0.02		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1-Dichloroethene				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
cis-1,2-Dichloroethene		0.4		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
trans-1,2-Dichloroethene		0.7		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1-Dichloropropene				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,2-Dichloropropane		0.03		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,3-Dichloropropane		1000		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
2,2-Dichloropropane				<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
cis-1,3-Dichloropropene		0.004		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
trans-1,3-Dichloropropene		0.004		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Ethylbenzene		13		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
2-Hexanone (MBK)		0.16		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Methylene Chloride		0.02		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Methyl tert-butyl ether		0.32		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
4-Methyl-2pentanone (MIBK)		---		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Stryene		4		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Tetrachloroethene		0.06		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Trichlorofluoromethane		34		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Toluene		12		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1,1-Trichloroethane		2		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1,2-Trichloroethane		0.02		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,2,3-Trichloropropane		0.000017		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1,1,2-Tetrachloroethane		3.2		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
1,1,2,2-Tetrachloroehtane		3.3		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Trichloroethene		0.06		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Vinyl chloride		0.01		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Xylenes, Total		150		<0.25 I		<0.0023	<0.002	<0.0022	<0.0019	<0.0018	<0.0017	<0.0019	<0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570											
Acenaphthylene		85											
Acetophenone													
Anthracene		12000											
Azobenzene													
Benzo(a)anthracene		2											
Benzo(b)fluoranthene		5											

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample #	22I1213-01	22I1213-02	22I1083-01	22I1083-02	22I1083-03	22I1083-04	22I1083-05	22I1083-06	22I1083-07	22I1083-08
			Sample Name	X201	X301	SB01 5-8	SB01 10-12	SB02 5-8	SB02 9-12	SB03 0-3	SB03 4-7	SB03 9-11	SB04 4-7
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/28/2022	9/28/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	4:00 PM	4:40 PM	1:45 PM	2:10 PM	2:05 PM	2:20 PM	2:45 PM	2:50 PM	3:05 PM	2:50 PM
			% Solids	75.29644	99.1	80.21978	84.01598	80.2775	86.52695	91.43427	85.25896	83.8806	78.99497
pH - Standard Units													
pH													
Benzo(k)fluoranthene		49											
Benzo(g,h,i)perylene		27000											
Benzo(a)pyrene		8											
Bis(2-chloroethyl)ether		0.0004											
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate		3600											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate		930											
Carbazole		0.6											
4-Chloro-3-methylphenol													
4-Chloroaniline		0.7											
1-Chloronaphthalene													
2-Chloronaphthalene		49											
2-Chlorophenol		4											
4-Chlorophenyl phenyl ether													
Chrysene		160											
1,2-Dichlorobenzene		17											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene		2											
2,4-Dichlorophenol		1											
Di-n-butyl phthalate		2300											
Di-n-octyl phthalate		10000											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene		0.0037											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene		0.0007											
2,4-Dinitrophenol		0.2											
2,4-Dinitrotoluene		0.0008											
Dibenz(a,h)anthracene		2											
Dibenzofuran		3											
3,3'-Dichlorobenzidine		0.007											
2,6-Dichlorophenol													
Diethyl phthalate		470											
Dimethyl phthalate		380											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol		9											
4,6-Dinitro-2-methylphenol													
Diphenylamine		20											
Fluoranthene		4300											
Fluorene		560											
Hexachlorobenzene													
Hexachlorobutadiene		2.2											
Hexachlorocyclopentadiene													
Hexachloroethane		0.5											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene		14											
Isodrin													
Isophorone		8											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene		1.9											
2-Methylphenol		15											
4-Methylphenol		3.9											
Naphthalene		12											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline		0.7											
3-Nitroaniline													
4-Nitroaniline		0.14											
Nitrobenzene		0.1											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol		---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine		0.00005											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene		31											
Pentachloronitrobenzene													
Pentachlorophenol		0.03											
Phenacetin													
Phenanthrene		210											
Phenol		100											
2-Picoline													
Pronamide													
Pyrene		4200											
Pyridine		---											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene		5											
2,4,5-Trichlorophenol		270											
2,4,6-Trichlorophenol		0.2											
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5											
alpha-BHC		0.0005											
beta-BHC													
delta-BHC													
gamma-BHC		0.009											
alpha-Chlordane		10											

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample #	22I1213-01	22I1213-02	22I1083-01	22I1083-02	22I1083-03	22I1083-04	22I1083-05	22I1083-06	22I1083-07	22I1083-08
			Sample Name	X201	X301	SB01 5-8	SB01 10-12	SB02 5-8	SB02 9-12	SB03 0-3	SB03 4-7	SB03 9-11	SB04 4-7
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/28/2022	9/28/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
			Time sampled	4:00 PM	4:40 PM	1:45 PM	2:10 PM	2:05 PM	2:20 PM	2:45 PM	2:50 PM	3:05 PM	2:50 PM
			% Solids	75.29644	99.1	80.21978	84.01598	80.2775	86.52695	91.43427	85.25896	83.8806	78.99497
pH - Standard Units													
pH													
gamma-Chlordane		10											
Dieldrin		0.004											
p,p'-DDT		32											
p,p'-DDD		16											
p,p'-DDE		54											
Endosulfan I		18											
Endosulfan II													
Endosulfan sulfate													
Endrin		1											
Endrin aldehyde													
Endrin ketone													
Heptachlor		23											
Heptachlor epoxide		0.7											
Methoxychlor		160											
Toxaphene		31											
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH													

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9
pH - Standard Units													
pH					8.3 I, Q	8.7 I, Q					8.8 I, Q		
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		11200	14700	9790	8320	8060	7920	13900	18400	11300	7870
Antimony	all	5		4.67 B2	<0.010	<0.010	3.03 B2	10.2 B2	<2.45 B2	4.46 B2, J3	<0.010	86.6 B2	<2.53 B2
Arsenic	6.25 - 6.64	29		13.1			9.98 B2	14	7.88 B2	22.7		25.5	5.96
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31											
	8.25 to 8.74	32			<0.010 B1, J7	<0.010 B1, J7							
	8.75 to 9.0	33									<0.010 B1, J7		
	9.0+	--											
Barium	6.25 to 6.64	1500		71.2	0.535	0.207	41.8	71.1	17.1	92.7	0.343	216	25.9
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.23	<0.001	<0.001	0.55	0.72	<0.25	<0.26	<0.001	12.6	<0.25
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		22.0 B1	22.4	28.2	48.4 B1	36.0 B1	27.5 B1	53.3 B1	63	319 B1	124 B1
Cadmium	**6.25 to 6.4**	5.2		12.3 B2	0.004 B2	0.004 B2	3.46 B2	8.36 B2	3.84 B2	10.6 B2	0.010 B2	30.0 B2	4.18 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		3980	64300	77800	72000	53600	70200	44400	3910	18400	52200
Chromium	**NS**	NS		19.2	<0.005	<0.005	13.6	17	13.5	20.6	<0.005	206	14.3
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		10.6	9.95	18.1	7.75	7.63	8.03	14.4	14.9	25.2	6.9
Copper	**6.25 to 6.64**	59,000		2330	92.2	21.7	155	4380	29.6	29.3 I	20.5	56900	41.6
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.217 J3, V	<0.037	<0.032	0.140 V	0.097 V	<0.035 V	<0.038	<0.038 V	0.098 J3	<0.038
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		21200	19500	28900	14200	17000	12400	35000 I	35200	49700	14600
Lead	**6.25 to 6.64**	--		575	<0.010	<0.010	82.1	1410	11.8	12.9 I	<0.005	6260	23.8
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		4270	30500	44700	30400	28100	37900	28900	5450	11000	30900
Manganese	**NRO**	1,924		365	526	1340	530	541	499	621	499	2100	386
Mercury	**6.25 to 6.64**	0.89		0.04	0.06	0.01	0.03	0.22	0.01	0.01	0.04	0.33	0.01
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		31.4	0.011	0.011	22.6	38.1	20.4	33.2	0.012	1950	17.3
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		2120	3510	2890	1970	1620	2980	2950	3370	1140	1440
Selenium	**6.25 to 6.64**	6.3		5.23 B2	0.045 J6	0.026 J6	<2.14 B2	4.76 B2	<2.45 B2	5.40 B2, I	0.041 J6	92.8 B2	<2.53 B2

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9
pH - Standard Units													
pH					8.3 I, Q	8.7 I, Q					8.8 I, Q		
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.57	<0.012	<0.012	<0.54	1.32	<0.61	<0.65	0.003	11.7	<0.63
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		537	237	482	923	638	587	1700	2100	5580	2820
Strontium	**NRO**	NRO		25.6	40.8	37	35.3	33.7	39.6	35.4	52.2	98.3	23
Thallium	**6.25 to 6.64**	2.6		<2.26 B2	0.026 B1	0.028 B1	<2.14 B2	<2.32 B2	<2.45 B2	4.23 B2	<0.025 B1	<2.54 B2	<2.53 B2
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		24.9	<0.005 B1	<0.005 B1	18.6	17.2	19.1	29.9 B1	<0.005	16.2 B1	20.4 B1
Zinc	**6.25 to 6.64**	5100		5050	0.238	0.059	1270	7390	333	1530	0.257	58900	1180
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.0075	<0.0054	<0.0054	<0.004	<0.0056	0.0065	<0.0057	0.013	<0.0063	<0.0055
Benzene		0.03		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Bromobenzene		0.86		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Bromochloroethene													
Bromochloromethane				<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Bromodichloromethane		0.6		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Bromoform		0.8		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Bromomethane		0.2		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
2-Butanone (MEK)		17		<0.0052	<0.0054	<0.0054	<0.004	<0.0056	<0.0048	<0.0057	<0.0053	<0.0063	<0.0055
Carbon Disulfide		32		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Carbon tetrachloride		0.07		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Chlorobenzene		1		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Chloroethane		---		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Chloroform		0.6		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Chloromethane		---		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Dibromochloromethane		0.4		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,2-Dibromoethane				<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Dibromomethane				<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1-Dichloroethane		23		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,2-Dichloroethane		0.02		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1-Dichloroethene				<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
cis-1,2-Dichloroethene		0.4		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
trans-1,2-Dichloroethene		0.7		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1-Dichloropropene				<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,2-Dichloropropane		0.03		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,3-Dichloropropane		1000		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
2,2-Dichloropropane				<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
cis-1,3-Dichloropropene		0.004		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
trans-1,3-Dichloropropene		0.004		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Ethylbenzene		13		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
2-Hexanone (MBK)		0.16		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Methylene Chloride		0.02		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Methyl tert-butyl ether		0.32		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
4-Methyl-2pentanone (MIBK)		---		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Stryene		4		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Tetrachloroethene		0.06		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Trichlorofluoromethane		34		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Toluene		12		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1,1-Trichloroethane		2		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1,2-Trichloroethane		0.02		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,2,3-Trichloropropane		0.000017		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1,1,2-Tetrachloroethane		3.2		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
1,1,2,2-Tetrachloroehtane		3.3		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Trichloroethene		0.06		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Vinyl chloride		0.01		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Xylenes, Total		150		<0.0021	<0.0022	<0.0022	<0.0016	<0.0022	<0.0019	<0.0023	<0.0021	<0.0025	<0.0022
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570			<0.057	<0.059					<0.065		
Acenaphthylene		85			<0.057	<0.059					<0.065		
Acetophenone					<0.057	<0.059					<0.065		
Anthracene		12000			<0.057	<0.059					<0.065		
Azobenzene					<0.057	<0.059					<0.065		
Benzo(a)anthracene		2			0.22	<0.059					<0.065		
Benzo(b)fluoranthene		5			0.4	<0.059					<0.065		

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9
pH - Standard Units													
pH					8.3 I, Q	8.7 I, Q					8.8 I, Q		
Benzo(k)fluoranthene		49			0.17	<0.059					<0.065		
Benzo(g,h,i)perylene		27000			0.19	<0.059					<0.065		
Benzo(a)pyrene		8			0.27	<0.059					<0.065		
Bis(2-chloroethyl)ether		0.0004			<0.057	<0.059					<0.065		
Bis(2-chloroethoxy)methane					<0.057	<0.059					<0.065		
Bis(2-ethylhexyl)phthalate		3600			<0.19	<0.2					<0.22		
4-Bromophenyl phenyl ether					<0.057	<0.059					<0.065		
Butyl benzyl phthalate		930			<0.057	<0.059					<0.065		
Carbazole		0.6			<0.057	<0.059					<0.065		
4-Chloro-3-methylphenol					<0.057	<0.059					<0.065		
4-Chloroaniline		0.7			<0.057	<0.059					<0.065		
1-Chloronaphthalene					<0.057	<0.059					<0.065		
2-Chloronaphthalene		49			<0.057	<0.059					<0.065		
2-Chlorophenol		4			<0.057	<0.059					<0.065		
4-Chlorophenyl phenyl ether					<0.057	<0.059					<0.065		
Chrysene		160			0.31	<0.059					<0.065		
1,2-Dichlorobenzene		17			<0.057	<0.059					<0.065		
1,3-Dichlorobenzene					<0.057	<0.059					<0.065		
1,4-Dichlorobenzene		2			<0.057	<0.059					<0.065		
2,4-Dichlorophenol		1			<0.057	<0.059					<0.065		
Di-n-butyl phthalate		2300			<0.19	<0.2					<0.22		
Di-n-octyl phthalate		10000			<0.19	<0.2					<0.22		
1,2-Dinitrobenzene					<0.19	<0.2					<0.22		
1,3-Dinitrobenzene		0.0037			<0.19	<0.2					<0.22		
1,4-Dinitrobenzene					<0.057	<0.059					<0.065		
2,6-Dinitrotoluene		0.0007			<0.057	<0.059					<0.065		
2,4-Dinitrophenol		0.2			<0.19	<0.2					<0.22		
2,4-Dinitrotoluene		0.0008			<0.057	<0.059					<0.065		
Dibenz(a,h)anthracene		2			<0.057	<0.059					<0.065		
Dibenzofuran		3			<0.057	<0.059					<0.065		
3,3'-Dichlorobenzidine		0.007			<0.057	<0.059					<0.065		
2,6-Dichlorophenol					<0.057	<0.059					<0.065		
Diethyl phthalate		470			<0.057	<0.059					<0.065		
Dimethyl phthalate		380			<0.057	<0.059					<0.065		
p-Dimethylaminoazobenzene					<0.19	<0.2					<0.22		
7,12-Dimethylbenzo(a)anthracene					<0.19	<0.2					<0.22		
2,4-Dimethylphenol		9			<0.057	<0.059					<0.065		
4,6-Dinitro-2-methylphenol					<0.19	<0.2					<0.22		
Diphenylamine		20			<0.057	<0.059					<0.065		
Fluoranthene		4300			0.63	<0.059					<0.065		
Fluorene		560			<0.057	<0.059					<0.065		
Hexachlorobenzene					<0.057	<0.059					<0.065		
Hexachlorobutadiene		2.2			<0.057	<0.059					<0.065		
Hexachlorocyclopentadiene					<0.19	<0.2					<0.22		
Hexachloroethane		0.5			<0.057	<0.059					<0.065		
Hexachloropropene					<0.057	<0.059					<0.065		
Indeno(1,2,3-cd)pyrene		14			0.2	<0.2					<0.22		
Isodrin					<0.057	<0.059					<0.065		
Isophorone		8			<0.19	<0.2					<0.22		
Isosafrole					<0.057	<0.059					<0.065		
Mestranol					<0.19	<0.2					<0.22		
Ethyl methanesulfonate					<0.057	<0.059					<0.065		
Methyl methanesulfonate					<0.057	<0.059					<0.065		
2-Methylnaphthalene		1.9			<0.057	<0.059					<0.065		
2-Methylphenol		15			<0.057	<0.059					<0.065		
4-Methylphenol		3.9			<0.057	<0.059					<0.065		
Naphthalene		12			<0.057	<0.059					<0.065		
1-Naphthylamine					<0.19	<0.2					<0.22		
2-Naphthylamine					<0.19	<0.2					<0.22		
5-Nitroacenaphthene					<0.057	<0.059					<0.065		
2-Nitroaniline		0.7			<0.19	<0.2					<0.22		
3-Nitroaniline					<0.057	<0.059					<0.065		
4-Nitroaniline		0.14			<0.057	<0.059					<0.065		
Nitrobenzene		0.1			<0.057	<0.059					<0.065		
4-Nitrobiphenyl					<0.19	<0.2					<0.22		
2-Nitrophenol					<0.19	<0.2					<0.22		
4-Nitrophenol		---			<0.057	<0.059					<0.065		
N-Nitrosodi-n-butylamine					<0.057	<0.059					<0.065		
N-Nitrosodi-n-propylamine		0.00005			<0.057	<0.059					<0.065		
N-Nitrosopiperidine					<0.057	<0.059					<0.065		
2,2'-Oxybis (1-chloropropane)					<0.057	<0.059					<0.065		
Pentachlorobenzene		31			<0.057	<0.059					<0.065		
Pentachloronitrobenzene					<0.057	<0.059					<0.065		
Pentachlorophenol		0.03			<0.19	<0.2					<0.22		
Phenacetin					<0.19	<0.2					<0.22		
Phenanthrene		210			0.23	<0.059					<0.065		
Phenol		100			<0.057	<0.059					<0.065		
2-Picoline					<0.057	<0.059					<0.065		
Pronamide					<0.057	<0.059					<0.065		
Pyrene		4200			0.49	<0.059					<0.065		
Pyridine		---			<0.19	<0.2					<0.22		
Safrole					<0.057	<0.059					<0.065		
1,2,4,5-Tetrachlorobenzene					<0.057	<0.059					<0.065		
2,3,4,6-Tetrachlorophenol					<0.057	<0.059					<0.065		
1,2,4-Trichlorobenzene		5			<0.057	<0.059					<0.065		
2,4,5-Trichlorophenol		270			<0.057	<0.059					<0.065		
2,4,6-Trichlorophenol		0.2			<0.057	<0.059					<0.065		
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5			<0.0057	<0.0057					<0.0063		
alpha-BHC		0.0005			<0.0023	<0.0023					<0.0025		
beta-BHC					<0.0057	<0.0057					<0.0063		
delta-BHC					<0.0057 O1	<0.0057					<0.0063		
gamma-BHC		0.009			<0.0057	<0.0057					<0.0063		
alpha-Chlordane		10			<0.0057	<0.0057					<0.0063		

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1083-09 SB04 9-12 Soil 9/26/2022 3:00 PM 86.65998	23I0451-04 SB-4E (1-3) Soil 9/13/2023 9:30 AM 84.37792	23I0452-02 SB-4E (10-12) Soil 9/13/2023 10:50 AM 82.14286	22I1083-13 SB05 0-3 Soil 9/26/2022 3:40 PM 91.42572	22I1083-14 SB05 6-9 Soil 9/26/2022 3:50 PM 86.17235	22I1083-15 SB05 9-11 Soil 9/26/2022 4:00 PM 83.13374	22I1080-02 SB06 8.5-10.5 Soil 9/26/2022 4:10 PM 77.21393	23I0394-04 SB-6E (10-12) Soil 9/12/2023 4:00 PM 76.0659	22I1080-03 SB07 4-8 Soil 9/26/2022 4:45 PM 78.60696	22I1080-04 SB07 8-10 Soil 9/26/2022 4:50 PM 78.9
pH - Standard Units													
pH					8.3 I, Q	8.7 I, Q					8.8 I, Q		
gamma-Chlordane		10			<0.0057	<0.0057					<0.0063		
Dieldrin		0.004			0.0093	<0.0023					<0.0025		
p,p'-DDT		32			<0.0057	<0.0057					<0.0063		
p,p'-DDD		16			<0.0057	<0.0057					<0.0063		
p,p'-DDE		54			0.0067	<0.0057					<0.0063		
Endosulfan I		18			<0.0057	<0.0057					<0.0063		
Endosulfan II					<0.0057	<0.0057					<0.0063		
Endosulfan sulfate					<0.0057	<0.0057					<0.0063		
Endrin		1			<0.0057	<0.0057					<0.0063		
Endrin aldehyde					<0.0057	<0.0057					<0.0063		
Endrin ketone					<0.0057	<0.0057					<0.0063		
Heptachlor		23			<0.0057	<0.0057					<0.0063		
Heptachlor epoxide		0.7			<0.0057	<0.0057					<0.0063		
Methoxychlor		160			<0.0057	<0.0057					<0.0063		
Toxaphene		31			<0.11	<0.11					<0.13		
Aroclor 1016					<0.011	<0.011					<0.013		
Aroclor 1221					<0.011	<0.011					<0.013		
Aroclor 1232					<0.011	<0.011					<0.013		
Aroclor 1242					<0.011	<0.011					<0.013		
Aroclor 1248					<0.011	<0.011					<0.013		
Aroclor 1254					<0.011	<0.011					<0.013		
Aroclor 1260					<0.011	<0.011					<0.013		
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH					8.3 I, Q	8.7 I, Q					8.8 I, Q		

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371
pH - Standard Units													
pH						10.2 I, Q	9.2 I, Q						
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		11400	18000	20800	12500	11000	10800	10900	44600	15100	7600
Antimony	all	5		38.6 B2	3.44 B2	0.086	<0.010	58.7 B2	3.44 B2	3.22 B2	48.6 B2	4.36 B2	13.2 B2
Arsenic	6.25 - 6.64	29		21.1	6.20 B2			19.9	7.03 B2	16.6	13.3	15.1	12.0 B2
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31											
	8.25 to 8.74	32											
	8.75 to 9.0	33											
	9.0+	--				<0.010 B1, J7	<0.010 B1, J7						
Barium	6.25 to 6.64	1500		199	104	2.13	0.621	228	35.1	74.5	763	45.1	137
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		15.9	0.53	0.008	<0.001	1.01	<0.24	<0.23	62	<0.25	0.74
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		262 B1	146 B1	173	61.5	92.1 B1	106 B1	17.8 B1	627 B1	222 B1	39.7 B1
Cadmium	**6.25 to 6.4**	5.2		24.3 B2	4.29 B2	0.313 B2	<0.005 B2	24.4 B2	7.28 B2	4.41 B2	37.8 B2	14.6 B2	12.3 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		14000	6930	18900	68600	4660	30300	88000	37000	16500	12800
Chromium	**NS**	NS		69.5	23.9	<0.005	<0.005	135	19.5	17.7	192	24	25.4
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		16.5	8.27	27.3	9.64	8.41	10.3	9.11	84.8	8.47	8.12
Copper	**6.25 to 6.64**	59,000		20800	44.6	6300	20.2	16200	214	90.4	<21.7	87.2	3360
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.174	0.196	0.100 V	<0.037 V	0.249	<0.035	<0.032	<0.031	<0.036	0.104
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		45900	15500	71100	18900	27400	19900	17800	167000	18700	26400
Lead	**6.25 to 6.64**	--		4690	17.1	20.2	0.013	5160	61.6	36.5	10800	51.6	1610
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		6210	4660	3770	34000	1730	21400	40800	9140	12300	5380
Manganese	**NRO**	1,924		1070	90.2	1200	418	983	284	513	4960	189	323
Mercury	**6.25 to 6.64**	0.89		0.03	0.13	0.35	0.01	1.75	0.02	0.04	0.03	0.02	0.12
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		204	27	0.544	0.013	73.7	27.4	23.4	820	24.8	52.1
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		1310	2770	2560	4000	1040	2430	3370	3410	3630	981
Selenium	**6.25 to 6.64**	6.3		9.72 B2	3.53 B2	0.059 J6, V	<0.025 J5	9.67 B2	4.63 B2	3.11 B2	22.8 B2	14.0 B2	14.9 B2

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371
pH - Standard Units													
pH						10.2 I, Q	9.2 I, Q						
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		4.31	<0.64	<0.003	0.004	9.52	<0.59	0.76	2.8	<0.62	1.59
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		1910	5420	3080	1600	5900	2790	700	16400	5560	1420
Strontium	**NRO**	NRO		62.6	50.1	94.9	42.5	77.1	42.9	53.6	175	33.2	46.3
Thallium	**6.25 to 6.64**	2.6		7.74 B2	3.74 B2	<0.025 B1	<0.025 B1	<2.21 B2	2.65 B2	3.29 B2	25.2 B2	4.55 B2	<2.54 B2
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		14.2 B1	27.1 B1	<0.005	<0.005	14.2 B1	22.2 B1	18.8 B1	28.5 B1	25.7 B1	11.1 B1
Zinc	**6.25 to 6.64**	5100		38900	114	247	0.157	35000	1450	236	122000	1690	9910
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0047	<0.0062	0.0056	<0.005	<0.0052	0.0054	<0.0045		<0.0051	<0.0057
Benzene		0.03		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Bromobenzene		0.86		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Bromochloroethene													
Bromochloromethane				<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Bromodichloromethane		0.6		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Bromoform		0.8		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Bromomethane		0.2		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
2-Butanone (MEK)		17		<0.0047	<0.0062	<0.0044	<0.005	<0.0052	<0.0048	<0.0045		<0.0051	<0.0057
Carbon Disulfide		32		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Carbon tetrachloride		0.07		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Chlorobenzene		1		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Chloroethane		---		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Chloroform		0.6		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Chloromethane		---		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Dibromochloromethane		0.4		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,2-Dibromoethane				<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Dibromomethane				<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1-Dichloroethane		23		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,2-Dichloroethane		0.02		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1-Dichloroethene				<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
cis-1,2-Dichloroethene		0.4		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
trans-1,2-Dichloroethene		0.7		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1-Dichloropropene				<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,2-Dichloropropane		0.03		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,3-Dichloropropane		1000		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
2,2-Dichloropropane				<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
cis-1,3-Dichloropropene		0.004		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
trans-1,3-Dichloropropene		0.004		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Ethylbenzene		13		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
2-Hexanone (MBK)		0.16		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Methylene Chloride		0.02		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Methyl tert-butyl ether		0.32		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
4-Methyl-2pentanone (MIBK)		---		<0.0019	<0.0025	0.002	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Stryene		4		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Tetrachloroethene		0.06		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Trichlorofluoromethane		34		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Toluene		12		<0.0019	<0.0025	0.0039	0.0026	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1,1-Trichloroethane		2		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1,2-Trichloroethane		0.02		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,2,3-Trichloropropane		0.000017		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1,1,2-Tetrachloroethane		3.2		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
1,1,2,2-Tetrachloroehtane		3.3		0.0021	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Trichloroethene		0.06		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Vinyl chloride		0.01		<0.0019	<0.0025	<0.0018	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Xylenes, Total		150		0.0022	<0.0025	0.0032	<0.002	<0.0021	<0.0019	<0.0018		<0.002	<0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570				0.14 J1	<0.057						
Acenaphthylene		85				<0.054 J1	<0.057						
Acetophenone						<0.054	<0.057						
Anthracene		12000				0.27	<0.057						
Azobenzene						<0.054	<0.057						
Benzo(a)anthracene		2				0.68	<0.057						
Benzo(b)fluoranthene		5				1.1	<0.057						

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371
pH - Standard Units													
pH						10.2 I, Q	9.2 I, Q						
Benzo(k)fluoranthene		49				0.32	<0.057						
Benzo(g,h,i)perylene		27000				0.33	<0.057						
Benzo(a)pyrene		8				0.58	<0.057						
Bis(2-chloroethyl)ether		0.0004				<0.054	<0.057						
Bis(2-chloroethoxy)methane						<0.054	<0.057						
Bis(2-ethylhexyl)phthalate		3600				0.26	<0.19						
4-Bromophenyl phenyl ether						<0.054	<0.057						
Butyl benzyl phthalate		930				<0.054	<0.057						
Carbazole		0.6				0.1	<0.057						
4-Chloro-3-methylphenol						<0.054	<0.057						
4-Chloroaniline		0.7				<0.054	<0.057						
1-Chloronaphthalene						<0.054 J1	<0.057						
2-Chloronaphthalene		49				<0.054 J1	<0.057						
2-Chlorophenol		4				<0.054	<0.057						
4-Chlorophenyl phenyl ether						<0.054 J1	<0.057						
Chrysene		160				1	<0.057						
1,2-Dichlorobenzene		17				<0.054	<0.057						
1,3-Dichlorobenzene						<0.054	<0.057						
1,4-Dichlorobenzene		2				<0.054	<0.057						
2,4-Dichlorophenol		1				<0.054	<0.057						
Di-n-butyl phthalate		2300				<0.18	<0.19						
Di-n-octyl phthalate		10000				<0.18	<0.19						
1,2-Dinitrobenzene						<0.18 J1	<0.19						
1,3-Dinitrobenzene		0.0037				<0.18 J1	<0.19						
1,4-Dinitrobenzene						<0.054 J1	<0.057						
2,6-Dinitrotoluene		0.0007				<0.054 J1	<0.057						
2,4-Dinitrophenol		0.2				<0.18 J1, O2	<0.19 O2						
2,4-Dinitrotoluene		0.0008				<0.054 J1	<0.057						
Dibenz(a,h)anthracene		2				0.092	<0.057						
Dibenzofuran		3				0.19 J1	<0.057						
3,3'-Dichlorobenzidine		0.007				<0.054	<0.057						
2,6-Dichlorophenol						<0.054	<0.057						
Diethyl phthalate		470				<0.054 J1	<0.057						
Dimethyl phthalate		380				<0.054 J1	<0.057						
p-Dimethylaminoazobenzene						<0.18	<0.19						
7,12-Dimethylbenzo(a)anthracene						<0.18	<0.19						
2,4-Dimethylphenol		9				<0.054	<0.057						
4,6-Dinitro-2-methylphenol						<0.18	<0.19						
Diphenylamine		20				<0.054	<0.057						
Fluoranthene		4300				1.6	<0.057						
Fluorene		560				0.14 J1	<0.057						
Hexachlorobenzene						<0.054	<0.057						
Hexachlorobutadiene		2.2				<0.054	<0.057						
Hexachlorocyclopentadiene						<0.18 J1	<0.19						
Hexachloroethane		0.5				<0.054	<0.057						
Hexachloropropene						<0.054	<0.057						
Indeno(1,2,3-cd)pyrene		14				0.31	<0.19						
Isodrin						<0.054	<0.057						
Isophorone		8				<0.18	<0.19						
Isosafrole						<0.054	<0.057						
Mestranol						<0.18	<0.19						
Ethyl methanesulfonate						<0.054	<0.057						
Methyl methanesulfonate						<0.054	<0.057						
2-Methylnaphthalene		1.9				0.37	<0.057						
2-Methylphenol		15				<0.054	<0.057						
4-Methylphenol		3.9				<0.054	<0.057						
Naphthalene		12				0.37	<0.057						
1-Naphthylamine						<0.18 J1	<0.19						
2-Naphthylamine						<0.18 J1	<0.19						
5-Nitroacenaphthene						<0.054	<0.057						
2-Nitroaniline		0.7				<0.18 J1	<0.19						
3-Nitroaniline						<0.054 J1	<0.057						
4-Nitroaniline		0.14				<0.054 J1	<0.057						
Nitrobenzene		0.1				<0.054	<0.057						
4-Nitrobiphenyl						<0.18	<0.19						
2-Nitrophenol						<0.18	<0.19						
4-Nitrophenol		---				<0.054 J1	<0.057						
N-Nitrosodi-n-butylamine						<0.054	<0.057						
N-Nitrosodi-n-propylamine		0.00005				<0.054	<0.057						
N-Nitrosopiperidine						<0.054	<0.057						
2,2'-Oxybis (1-chloropropane)						<0.054	<0.057						
Pentachlorobenzene		31				<0.054 J1	<0.057						
Pentachloronitrobenzene						<0.054	<0.057						
Pentachlorophenol		0.03				<0.18	<0.19						
Phenacetin						<0.18	<0.19						
Phenanthrene		210				1.5	<0.057						
Phenol		100				0.2	<0.057						
2-Picoline						<0.054	<0.057						
Pronamide						<0.054	<0.057						
Pyrene		4200				1.7	<0.057						
Pyridine		---				<0.18	<0.19						
Safrole						<0.054 J1	<0.057						
1,2,4,5-Tetrachlorobenzene						<0.054 J1	<0.057						
2,3,4,6-Tetrachlorophenol						<0.054 J1	<0.057						
1,2,4-Trichlorobenzene		5				<0.054	<0.057						
2,4,5-Trichlorophenol		270				<0.054 J1	<0.057						
2,4,6-Trichlorophenol		0.2				<0.054 J1	<0.057						
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5				<0.0056 J1	<0.006						
alpha-BHC		0.0005				0.0033 J1	<0.0024						
beta-BHC						<0.0056 J1	<0.006						
delta-BHC						<0.0056 J1	<0.006						
gamma-BHC		0.009				<0.0056 J1	<0.006						
alpha-Chlordane		10				<0.0056 J1	<0.006						

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-05 SB08 6-8 Soil 9/26/2022 4:45 PM 89.0099	22I1080-06 SB08 9-10 Soil 9/26/2022 5:10 PM 78.6	23I0387-08 SB-8E (6-8) Soil 9/12/2023 3:00 PM 85.26316	23I0387-09 SB-8E (14-16) Soil 9/12/2023 3:10 PM 81.81818	22I1080-12 SB09 4-7 Soil 9/26/2022 6:15 PM 88.7338	22I1080-13 SB09 9-12 Soil 9/26/2022 6:20 PM 84.9	22I1080-07 SB10 1-3 Soil 9/26/2022 5:25 PM 86.44401	22I1080-09 SB10 6-7 Soil 9/26/2022 5:40 PM 92.33068	22I1080-10 SB10 9-11 Soil 9/26/2022 5:50 PM 79.25851	22I1080-11 SB11 4-7 Soil 9/26/2022 6:00 PM 78.76371
pH - Standard Units													
pH						10.2 I, Q	9.2 I, Q						
gamma-Chlordane		10				<0.0056 J1	<0.006						
Dieldrin		0.004				0.0089 J1	<0.0024						
p,p'-DDT		32				<0.0056 J1	<0.006						
p,p'-DDD		16				<0.0056 J1	<0.006						
p,p'-DDE		54				0.01 J1	<0.006						
Endosulfan I		18				<0.0056 J1	<0.006						
Endosulfan II						<0.0056 J1	<0.006						
Endosulfan sulfate						<0.0056 J1	<0.006						
Endrin		1				<0.0056 J1	<0.006						
Endrin aldehyde						<0.0056 J1	<0.006						
Endrin ketone						0.014 J1	<0.006						
Heptachlor		23				<0.0056 J1	<0.006						
Heptachlor epoxide		0.7				<0.0056 J1	<0.006						
Methoxychlor		160				<0.0056 J1	<0.006						
Toxaphene		31				<0.11 J1	<0.12						
Aroclor 1016						<0.011 I, J1	<0.012						
Aroclor 1221						<0.011 I, J1	<0.012						
Aroclor 1232						<0.011 I, J1	<0.012						
Aroclor 1242						<0.011 I, J1	<0.012						
Aroclor 1248						<0.011 I, J1	<0.012						
Aroclor 1254						0.31 I, J1	<0.012						
Aroclor 1260						<0.011 I, J1	<0.012						
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH						10.2 I, Q	9.2 I, Q						

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-14 SB11 9-12 Soil 9/26/2022 6:10 PM 87.01299	22I1136-01 SB12 9-11 Soil 9/27/2022 9:00 AM 91.97225	22I1136-02 SB12 8.5-10.5 Soil 9/27/2022 9:15 AM 85.54337	22I1136-03 SB13 6-9 Soil 9/27/2022 9:40 AM 94.86405	22I1136-07 SB13 9-11 Soil 9/27/2022 9:55 AM 86.14158	22I1136-11 SB14 3.5-5 Soil 9/27/2022 10:20 AM 84.77612	22I1136-12 SB14 8-10 Soil 9/27/2022 10:30 AM 83.61303	23I0387-02 SB-14E (3-5) Soil 9/12/2023 1:25 PM 88.6256	23I0387-03 SB-14E (10-12) Soil 9/12/2023 1:40 PM 83.53294	22I1136-08 SB15 1-4 Soil 9/27/2022 10:10 AM 86.54038
pH - Standard Units													
pH											8.9 I, Q	8.2 I, Q	
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		12500	36500	5990	39600	10600	12100	11200	43200	10000	8830
Antimony	all	5		2.62 B2	45.5 B2	3.25 B2	36.5 B2	3.84 B2	12.7 B2, I, J3	12.8 B2	0.135	<0.010	3.95 B2
Arsenic	6.25 - 6.64	29		11.4 B2	18	6.25 B2	13.5	7.89 B2	14.8	12.7 B2			9.04 B2
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31										<0.010 B1, J7	
	8.25 to 8.74	32											
	8.75 to 9.0	33									<0.010 B1, J7		
	9.0+	--											
Barium	6.25 to 6.64	1500		49.4	713 I	17.8 I	654 I	47.1 I	179 J3	41.8	0.593	0.324	48.2 I
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	6.25 to 6.64	22		<0.23	66.1	<0.23	122	<0.23	2.95	<0.24	<0.001	<0.001	1.1
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	NS	NS		21.0 B1	980 B1, I	38.2 B1, I	5270 B1, I	33.5 B1, I	79.3 B1, J3	22.9 B1	1120	32.4	77.4 B1, I
Cadmium	6.25 to 6.4	5.2		4.89 B2	37.7 B2	3.26 B2	30.6 B2	8.10 B2	14.9 B2, J3	22.6 B2	1.57 B2	0.011 B2	3.93 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	NS	NS		61400	34200 I	45400 I	22900 I	62800 I	67100	41500	39600	92700	83500 I
Chromium	NS	NS		19	170	11.1	104	17.4	30.7	18.9	<0.005	<0.005	13.8
Chromium, Hexavalent	6.25 to 6.64	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	NRO	NRO		10.6	71	5.42	78.7	9.14	13.5 I, J3	9.67	76.1	8.63	7.9
Copper	6.25 to 6.64	59,000		49.5	16700 I	42.4 I	14300 I	30.2 I	2180 J3	37.3	18900	24.6	298 I
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	6.25 to 6.64	40		<0.032	<0.032	<0.032	<0.031	<0.036	0.048	0.041	<0.032 V	<0.035 V	<0.034
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	NRO	NRO		20000	138000 I	11200 I	142000 I	16600 I	34200	19500	179000	16200	14700 I
Lead	6.25 to 6.64	--		15.4	8850	27.0 I	5660	12.1 I	2100	42	36.8	0.012	199 I
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	NRO	NRO		31700	9110	27000	10000	29600	31400	26300	8450	23400	39700
Manganese	NRO	1,924		480	4270 I	295 I	5690 I	456 I	739 I	458	4830	413	445 I
Mercury	6.25 to 6.64	0.89		0.01	0.04	0.007	<0.005	0.01	0.13 J3	0.03 J3	0.03 J3	0.01	0.13
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	6.25 to 6.64	100		26.4	683	15	712	22.1	72.0 I, J3	26.4	0.147	0.007	24.6
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	NRO	NRO		3880	3110	1710	2370	3180	1910	3190	3970	3210	2000
Selenium	6.25 to 6.64	6.3		<2.30 B2	24.9	25	34.1	<2.28	<2.36 B2, I	8.56 B2	0.099 J6, V	<0.025 J5	<2.31

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-14 SB11 9-12 Soil 9/26/2022 6:10 PM 87.01299	22I1136-01 SB12 9-11 Soil 9/27/2022 9:00 AM 91.97225	22I1136-02 SB12 8.5-10.5 Soil 9/27/2022 9:15 AM 85.54337	22I1136-03 SB13 6-9 Soil 9/27/2022 9:40 AM 94.86405	22I1136-07 SB13 9-11 Soil 9/27/2022 9:55 AM 86.14158	22I1136-11 SB14 3.5-5 Soil 9/27/2022 10:20 AM 84.77612	22I1136-12 SB14 8-10 Soil 9/27/2022 10:30 AM 83.61303	23I0387-02 SB-14E (3-5) Soil 9/12/2023 1:25 PM 88.6256	23I0387-03 SB-14E (10-12) Soil 9/12/2023 1:40 PM 83.53294	22I1136-08 SB15 1-4 Soil 9/27/2022 10:10 AM 86.54038
pH - Standard Units													
pH											8.9 I, Q	8.2 I, Q	
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.57	3.01	0.67	2.49	0.73	1.14	<0.60	<0.003	0.005	1.3
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		412	18600	1530	41600	403	2070	494	20300	331	696
Strontium	**NRO**	NRO		48.3	160	18.3	119	41.7	72.3 J3	50.6	179	93.5	45.5
Thallium	**6.25 to 6.64**	2.6		2.35 B2	13.7 B2	<2.34 B2	12.5 B2	<2.28 B2	<2.36 B2, J3	<2.39 B2	<0.025 B1	<0.025 B1	<2.31 B2
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		21.3 B1	29.4 I	14.4 I	27.9 I	21.8 I	20.7 B1, I	23.4 B1	<0.005	<0.005	18.9 I
Zinc	**6.25 to 6.64**	5100		136	109000	642	135000	1660	17700 J3	33600	691	0.147	1840
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0043	<0.0045	0.0095	<0.0043	<0.0044	0.0059	0.0064	0.0095	<0.0047	<0.0045
Benzene		0.03		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Bromobenzene		0.86		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Bromochloroethene													
Bromochloromethane				<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Bromodichloromethane		0.6		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Bromoform		0.8		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Bromomethane		0.2		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
2-Butanone (MEK)		17		<0.0043	<0.0045	0.0053	<0.0043	<0.0044	<0.0048	<0.0046	<0.0045	<0.0047	<0.0045
Carbon Disulfide		32		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Carbon tetrachloride		0.07		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Chlorobenzene		1		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Chloroethane		---		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Chloroform		0.6		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Chloromethane		---		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Dibromochloromethane		0.4		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,2-Dibromoethane				<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Dibromomethane				<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,1-Dichloroethane		23		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,2-Dichloroethane		0.02		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,1-Dichloroethene				<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
cis-1,2-Dichloroethene		0.4		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
trans-1,2-Dichloroethene		0.7		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,1-Dichloropropene				<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,2-Dichloropropane		0.03		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,3-Dichloropropane		1000		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
2,2-Dichloropropane				<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
cis-1,3-Dichloropropene		0.004		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
trans-1,3-Dichloropropene		0.004		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Ethylbenzene		13		<0.0017	<0.0018	0.0073	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
2-Hexanone (MBK)		0.16		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Methylene Chloride		0.02		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Methyl tert-butyl ether		0.32		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Stryene		4		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Tetrachloroethene		0.06		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Trichlorofluoromethane		34		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Toluene		12		<0.0017	<0.0018	0.0078	<0.0017	<0.0018	<0.0019	<0.0019	0.0038	0.0025	<0.0018
1,1,1-Trichloroethane		2		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,1,2-Trichloroethane		0.02		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,2,3-Trichloropropane		0.000017		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	0.0032	<0.0019	<0.0018
Trichloroethene		0.06		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Vinyl chloride		0.01		<0.0017	<0.0018	<0.0021	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Xylenes, Total		150		<0.0017	<0.0018	0.039	<0.0017	<0.0018	<0.0019	<0.0019	<0.0018	<0.0019	<0.0018
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570									<0.055	<0.059	
Acenaphthylene		85									<0.055	<0.059	
Acetophenone											<0.055	<0.059	
Anthracene		12000									<0.055	<0.059	
Azobenzene											<0.055	<0.059	
Benzo(a)anthracene		2									<0.055	<0.059	
Benzo(b)fluoranthene		5									<0.055	<0.059	

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample #	22I1080-14	22I1136-01	22I1136-02	22I1136-03	22I1136-07	22I1136-11	22I1136-12	23I0387-02	23I0387-03	22I1136-08
			Sample Name	SB11 9-12	SB12 9-11	SB12 8.5-10.5	SB13 6-9	SB13 9-11	SB14 3.5-5	SB14 8-10	SB-14E (3-5)	SB-14E (10-12)	SB15 1-4
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/26/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/12/2023	9/12/2023	9/27/2022
			Time sampled	6:10 PM	9:00 AM	9:15 AM	9:40 AM	9:55 AM	10:20 AM	10:30 AM	1:25 PM	1:40 PM	10:10 AM
			% Solids	87.01299	91.97225	85.54337	94.86405	86.14158	84.77612	83.61303	88.6256	83.53294	86.54038
pH - Standard Units													
pH											8.9 I, Q	8.2 I, Q	
Benzo(k)fluoranthene		49									<0.055	<0.059	
Benzo(g,h,i)perylene		27000									<0.055	<0.059	
Benzo(a)pyrene		8									0.16	<0.059	
Bis(2-chloroethyl)ether		0.0004									<0.055	<0.059	
Bis(2-chloroethoxy)methane											<0.055	<0.059	
Bis(2-ethylhexyl)phthalate		3600									<0.19	<0.2	
4-Bromophenyl phenyl ether											<0.055	<0.059	
Butyl benzyl phthalate		930									<0.055	<0.059	
Carbazole		0.6									<0.055	<0.059	
4-Chloro-3-methylphenol											<0.055	<0.059	
4-Chloroaniline		0.7									<0.055	<0.059	
1-Chloronaphthalene											<0.055	<0.059	
2-Chloronaphthalene		49									<0.055	<0.059	
2-Chlorophenol		4									<0.055	<0.059	
4-Chlorophenyl phenyl ether											<0.055	<0.059	
Chrysene		160									0.42	<0.059	
1,2-Dichlorobenzene		17									<0.055	<0.059	
1,3-Dichlorobenzene											<0.055	<0.059	
1,4-Dichlorobenzene		2									<0.055	<0.059	
2,4-Dichlorophenol		1									<0.055	<0.059	
Di-n-butyl phthalate		2300									<0.19	<0.2	
Di-n-octyl phthalate		10000									<0.19	<0.2	
1,2-Dinitrobenzene											<0.19	<0.2	
1,3-Dinitrobenzene		0.0037									<0.19	<0.2	
1,4-Dinitrobenzene											<0.055	<0.059	
2,6-Dinitrotoluene		0.0007									<0.055	<0.059	
2,4-Dinitrophenol		0.2									<0.19 O2	<0.2 O2	
2,4-Dinitrotoluene		0.0008									<0.055	<0.059	
Dibenz(a,h)anthracene		2									<0.055	<0.059	
Dibenzofuran		3									<0.055	<0.059	
3,3'-Dichlorobenzidine		0.007									<0.055	<0.059	
2,6-Dichlorophenol											<0.055	<0.059	
Diethyl phthalate		470									<0.055	<0.059	
Dimethyl phthalate		380									<0.055	<0.059	
p-Dimethylaminoazobenzene											<0.19	<0.2	
7,12-Dimethylbenzo(a)anthracene											<0.19	<0.2	
2,4-Dimethylphenol		9									<0.055	<0.059	
4,6-Dinitro-2-methylphenol											<0.19	<0.2	
Diphenylamine		20									<0.055	<0.059	
Fluoranthene		4300									0.19	<0.059	
Fluorene		560									<0.055	<0.059	
Hexachlorobenzene											<0.055	<0.059	
Hexachlorobutadiene		2.2									<0.055	<0.059	
Hexachlorocyclopentadiene											<0.19	<0.2	
Hexachloroethane		0.5									<0.055	<0.059	
Hexachloropropene											<0.055	<0.059	
Indeno(1,2,3-cd)pyrene		14									<0.19	<0.2	
Isodrin											<0.055	<0.059	
Isophorone		8									<0.19	<0.2	
Isosafrole											<0.055	<0.059	
Mestranol											<0.19	<0.2	
Ethyl methanesulfonate											<0.055	<0.059	
Methyl methanesulfonate											<0.055	<0.059	
2-Methylnaphthalene		1.9									0.071	<0.059	
2-Methylphenol		15									<0.055	<0.059	
4-Methylphenol		3.9									<0.055	<0.059	
Naphthalene		12									<0.055	<0.059	
1-Naphthylamine											<0.19	<0.2	
2-Naphthylamine											<0.19	<0.2	
5-Nitroacenaphthene											<0.055	<0.059	
2-Nitroaniline		0.7									<0.19	<0.2	
3-Nitroaniline											<0.055	<0.059	
4-Nitroaniline		0.14									<0.055	<0.059	
Nitrobenzene		0.1									<0.055	<0.059	
4-Nitrobiphenyl											<0.19	<0.2	
2-Nitrophenol											<0.19	<0.2	
4-Nitrophenol		---									<0.055	<0.059	
N-Nitrosodi-n-butylamine											<0.055	<0.059	
N-Nitrosodi-n-propylamine		0.00005									<0.055	<0.059	
N-Nitrosopiperidine											<0.055	<0.059	
2,2'-Oxybis (1-chloropropane)											<0.055	<0.059	
Pentachlorobenzene		31									<0.055	<0.059	
Pentachloronitrobenzene											<0.055	<0.059	
Pentachlorophenol		0.03									<0.19	<0.2	
Phenacetin											<0.19	<0.2	
Phenanthrene		210									0.23	<0.059	
Phenol		100									<0.055	<0.059	
2-Picoline											<0.055	<0.059	
Pronamide											<0.055	<0.059	
Pyrene		4200									0.29	<0.059	
Pyridine		---									<0.19	<0.2	
Safrole											<0.055	<0.059	
1,2,4,5-Tetrachlorobenzene											<0.055	<0.059	
2,3,4,6-Tetrachlorophenol											<0.055	<0.059	
1,2,4-Trichlorobenzene		5									<0.055	<0.059	
2,4,5-Trichlorophenol		270									<0.055	<0.059	
2,4,6-Trichlorophenol		0.2									<0.055	<0.059	
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5									<0.0053 J1	<0.0058	
alpha-BHC		0.0005									<0.0021 J1	<0.0023	
beta-BHC											<0.0053 J1	<0.0058	
delta-BHC											<0.0053 J1	<0.0058	
gamma-BHC		0.009									<0.0053 J1	<0.0058	
alpha-Chlordane		10									<0.0053 J1	<0.0058	

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1080-14 SB11 9-12 Soil 9/26/2022 6:10 PM 87.01299	22I1136-01 SB12 9-11 Soil 9/27/2022 9:00 AM 91.97225	22I1136-02 SB12 8.5-10.5 Soil 9/27/2022 9:15 AM 85.54337	22I1136-03 SB13 6-9 Soil 9/27/2022 9:40 AM 94.86405	22I1136-07 SB13 9-11 Soil 9/27/2022 9:55 AM 86.14158	22I1136-11 SB14 3.5-5 Soil 9/27/2022 10:20 AM 84.77612	22I1136-12 SB14 8-10 Soil 9/27/2022 10:30 AM 83.61303	23I0387-02 SB-14E (3-5) Soil 9/12/2023 1:25 PM 88.6256	23I0387-03 SB-14E (10-12) Soil 9/12/2023 1:40 PM 83.53294	22I1136-08 SB15 1-4 Soil 9/27/2022 10:10 AM 86.54038
pH - Standard Units													
pH											8.9 I, Q	8.2 I, Q	
gamma-Chlordane		10									<0.0053 J1	<0.0058	
Dieldrin		0.004									<0.0021 J1	<0.0023	
p,p'-DDT		32									<0.0053 J1	<0.0058	
p,p'-DDD		16									<0.0053 J1	<0.0058	
p,p'-DDE		54									<0.0053 J1	<0.0058	
Endosulfan I		18									<0.0053 J1	<0.0058	
Endosulfan II											<0.0053 J1	<0.0058	
Endosulfan sulfate											<0.0053 J1	<0.0058	
Endrin		1									<0.0053 J1	<0.0058	
Endrin aldehyde											<0.0053 J1	<0.0058	
Endrin ketone											0.0093 J1	<0.0058	
Heptachlor		23									<0.0053 J1	<0.0058	
Heptachlor epoxide		0.7									<0.0053 J1	<0.0058	
Methoxychlor		160									<0.0053 J1	<0.0058	
Toxaphene		31									<0.11 J1	<0.12	
Aroclor 1016											<0.011 J1	<0.012	
Aroclor 1221											<0.011 J1	<0.012	
Aroclor 1232											<0.011 J1	<0.012	
Aroclor 1242											<0.011 J1	<0.012	
Aroclor 1248											<0.011 J1	<0.012	
Aroclor 1254											<0.011 J1	<0.012	
Aroclor 1260											<0.011 J1	<0.012	
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH											8.9 I, Q	8.2 I, Q	

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888
pH - Standard Units													
pH						9.2 I, Q	8.6 I, Q						
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		27400	10400	15600	12100	10400	16300	7900	11000	2900	10400
Antimony	all	5		34.2 B2	8.93 B2	0.084	<0.010	45.3 B2	5.75 B2	2.89 B2	3.52 B2	<2.21 B2	<2.49 B2
Arsenic	6.25 - 6.64	29		22.8	14.3			25.2	10.3 B2	9.22 B2	10.8 B2	4.29 B2	5.80 B2
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31											
	8.25 to 8.74	32					<0.010 B1, J7						
	8.75 to 9.0	33											
	9.0+	--				<0.010 B1, J7							
Barium	6.25 to 6.64	1500		417 I	60.6 I	1.25	0.816	129	86.5	49.8	44.4	14	35.6
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	6.25 to 6.64	22		17.6	<0.24	0.006	<0.001	5.11	<0.26	<0.23	0.4	<0.22	<0.25
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	NS	NS		1120 B1, I	19.3 B1, I	519	30	286 B1	15.6 B1	27.9 B1	33.8 B1	7.75 B1	14.9 B1
Cadmium	6.25 to 6.4	5.2		55.4 B2	11.1 B2	1.84 B2	<0.005 B2	117 B2	9.70 B2	4.01 B2	3.65 B2	2.62 B2	4.49 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	NS	NS		27400 I	54300 I	57200	77800	38000	8290	78900	60100	50700	69500
Chromium	NS	NS		170	16.7	<0.005	<0.005	29.1	24.7	13.1	14.5	5.82	17
Chromium, Hexavalent	6.25 to 6.64	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	NRO	NRO		31.6	16.8	16	12.1	22.4	8.77	8.27	7.68	3.7	10.1
Copper	6.25 to 6.64	59,000		8650 I	40.2 I	10900	36.2	1250	38.5	69.6	110	130	18.7
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	6.25 to 6.64	40		<0.036	<0.036	0.038 V	<0.034 V	0.166	0.172	<0.032 V	<0.034 V		<0.036 V
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	NRO	NRO		126000 I	20000 I	49700	17900	21600	17400	15100	15400	7940	18600
Lead	6.25 to 6.64	--		7970	19.6 I	11.3	0.019	2440	83	188	65	64.8	9.16
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	NRO	NRO		6970	33700	24400	37600	13400	8450	35900	27100	22800	35500
Manganese	NRO	1,924		2780 I	765 I	912	483	1100	244	485	458	308	543
Mercury	6.25 to 6.64	0.89		0.41	0.01	0.17	0.02	0.05	0.03	0.03	0.13	0.03	0.01
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	6.25 to 6.64	100		216	25.7	0.248	0.101	55.3	27.7	27.1	22	9.06	24.7
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	NRO	NRO		2700	2990	2150	4220	1010	2570	2160	2410	822	3290
Selenium	6.25 to 6.64	6.3		23.6	5.79	0.053 J6	<0.025 J5	3.03 B2	<2.59 B2	<2.28 B2	3.46 B2	<2.21 B2	3.73 B2

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888
pH - Standard Units													
pH						9.2 I, Q	8.6 I, Q						
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		3.66	0.78	<0.003	0.005	1.73	<0.65	<0.57	<0.55	0.65	<0.62
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		9780	264	4310	277	1770	286	843	1030	237	296
Strontium	**NRO**	NRO		147	26.8	73.6	51.7	127	22.8	40.3	39	27.2	48.2
Thallium	**6.25 to 6.64**	2.6		10.3 B2	<2.38 B2	<0.025 B1	<0.025 B1	<2.42 B2	<2.59 B2	<2.28 B2	<2.20 B2	<2.21 B2	<2.49 B2
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		31.6 I	20.7 I	<0.005	<0.005	20.3 B1	27.2 B1	18.9	23.8	10.1	18.9
Zinc	**6.25 to 6.64**	5100		68700	16100	376	0.588	34500	2780	575	686	807	146
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25			0.0073	0.024	<0.0042		0.007	0.013	<0.0043		0.0057
Benzene		0.03			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Bromobenzene		0.86			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Bromochloroethene													
Bromochloromethane					<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Bromodichloromethane		0.6			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Bromoform		0.8			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Bromomethane		0.2			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019 J3	<0.0017		<0.002
2-Butanone (MEK)		17			<0.0046	<0.0056	<0.0042		<0.0052	<0.0047	<0.0043		<0.0049
Carbon Disulfide		32			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Carbon tetrachloride		0.07			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Chlorobenzene		1			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Chloroethane		---			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Chloroform		0.6			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Chloromethane		---			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Dibromochloromethane		0.4			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,2-Dibromoethane					<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Dibromomethane					<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,1-Dichloroethane		23			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,2-Dichloroethane		0.02			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,1-Dichloroethene					<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
cis-1,2-Dichloroethene		0.4			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
trans-1,2-Dichloroethene		0.7			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,1-Dichloropropene					<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,2-Dichloropropane		0.03			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,3-Dichloropropane		1000			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
2,2-Dichloropropane					<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
cis-1,3-Dichloropropene		0.004			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
trans-1,3-Dichloropropene		0.004			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Ethylbenzene		13			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
2-Hexanone (MBK)		0.16			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Isobutyl acetate													
Isopropylbenzene (Cumene)		91			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Methylene Chloride		0.02			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Methyl tert-butyl ether		0.32			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
4-Methyl-2pentanone (MIBK)		---			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Stryene		4			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Tetrachloroethene		0.06			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Trichlorofluoromethane		34			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Toluene		12			<0.0018	0.0039	0.0024		<0.0021	<0.0019	<0.0017		<0.002
1,1,1-Trichloroethane		2			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,1,2-Trichloroethane		0.02			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,2,3-Trichloropropane		0.000017			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,1,1,2-Tetrachloroethane		3.2			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
1,1,2,2-Tetrachloroehtane		3.3			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019 J3	<0.0017		<0.002
Trichloroethene		0.06			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019 J3	<0.0017		<0.002
Vinyl chloride		0.01			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Xylenes, Total		150			<0.0018	<0.0023	<0.0017		<0.0021	<0.0019	<0.0017		<0.002
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570				0.98	<0.054						
Acenaphthylene		85				<0.055	<0.054						
Acetophenone						<0.055	<0.054						
Anthracene		12000				1.6	<0.054						
Azobenzene						<0.055	<0.054						
Benzo(a)anthracene		2				1.2	<0.054						
Benzo(b)fluoranthene		5				0.45	<0.054						

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888
pH - Standard Units													
pH						9.2 I, Q	8.6 I, Q						
Benzo(k)fluoranthene		49				0.13	<0.054						
Benzo(g,h,i)perylene		27000				0.5	<0.054						
Benzo(a)pyrene		8				0.71	<0.054						
Bis(2-chloroethyl)ether		0.0004				<0.055	<0.054						
Bis(2-chloroethoxy)methane						<0.055	<0.054						
Bis(2-ethylhexyl)phthalate		3600				<0.19	<0.18						
4-Bromophenyl phenyl ether						<0.055	<0.054						
Butyl benzyl phthalate		930				<0.055	<0.054						
Carbazole		0.6				<0.055	<0.054						
4-Chloro-3-methylphenol						<0.055	<0.054						
4-Chloroaniline		0.7				<0.055	<0.054						
1-Chloronaphthalene						<0.055	<0.054						
2-Chloronaphthalene		49				<0.055	<0.054						
2-Chlorophenol		4				<0.055	<0.054						
4-Chlorophenyl phenyl ether						<0.055	<0.054						
Chrysene		160				1.8	<0.054						
1,2-Dichlorobenzene		17				<0.055	<0.054						
1,3-Dichlorobenzene						<0.055	<0.054						
1,4-Dichlorobenzene		2				<0.055	<0.054						
2,4-Dichlorophenol		1				<0.055	<0.054						
Di-n-butyl phthalate		2300				<0.19	<0.18						
Di-n-octyl phthalate		10000				<0.19	<0.18						
1,2-Dinitrobenzene						<0.19	<0.18						
1,3-Dinitrobenzene		0.0037				<0.19	<0.18						
1,4-Dinitrobenzene						<0.055	<0.054						
2,6-Dinitrotoluene		0.0007				<0.055	<0.054						
2,4-Dinitrophenol		0.2				<0.19	<0.18 O2						
2,4-Dinitrotoluene		0.0008				<0.055	<0.054						
Dibenz(a,h)anthracene		2				<0.055	<0.054						
Dibenzofuran		3				<0.055	<0.054						
3,3'-Dichlorobenzidine		0.007				<0.055	<0.054						
2,6-Dichlorophenol						<0.055	<0.054						
Diethyl phthalate		470				<0.055	<0.054						
Dimethyl phthalate		380				<0.055	<0.054						
p-Dimethylaminoazobenzene						<0.19	<0.18						
7,12-Dimethylbenzo(a)anthracene						<0.19	<0.18						
2,4-Dimethylphenol		9				<0.055	<0.054						
4,6-Dinitro-2-methylphenol						<0.19	<0.18						
Diphenylamine		20				<0.055	<0.054						
Fluoranthene		4300				0.65	<0.054						
Fluorene		560				0.21	<0.054						
Hexachlorobenzene						<0.055	<0.054						
Hexachlorobutadiene		2.2				<0.055	<0.054						
Hexachlorocyclopentadiene						<0.19	<0.18						
Hexachloroethane		0.5				<0.055	<0.054						
Hexachloropropene						<0.055	<0.054						
Indeno(1,2,3-cd)pyrene		14				0.23	<0.18						
Isodrin						<0.055	<0.054						
Isophorone		8				<0.19	<0.18						
Isosafrole						<0.055	<0.054						
Mestranol						<0.19	<0.18						
Ethyl methanesulfonate						<0.055	<0.054						
Methyl methanesulfonate						<0.055	<0.054						
2-Methylnaphthalene		1.9				1.1	<0.054						
2-Methylphenol		15				<0.055	<0.054						
4-Methylphenol		3.9				<0.055	<0.054						
Naphthalene		12				0.39	<0.054						
1-Naphthylamine						<0.19	<0.18						
2-Naphthylamine						<0.19	<0.18						
5-Nitroacenaphthene						<0.055	<0.054						
2-Nitroaniline		0.7				<0.19	<0.18						
3-Nitroaniline						<0.055	<0.054						
4-Nitroaniline		0.14				<0.055	<0.054						
Nitrobenzene		0.1				<0.055	<0.054						
4-Nitrobiphenyl						<0.19	<0.18						
2-Nitrophenol						<0.19	<0.18						
4-Nitrophenol		---				<0.055	<0.054						
N-Nitrosodi-n-butylamine						<0.055	<0.054						
N-Nitrosodi-n-propylamine		0.00005				<0.055	<0.054						
N-Nitrosopiperidine						<0.055	<0.054						
2,2'-Oxybis (1-chloropropane)						<0.055	<0.054						
Pentachlorobenzene		31				<0.055	<0.054						
Pentachloronitrobenzene						<0.055	<0.054						
Pentachlorophenol		0.03				<0.19	<0.18						
Phenacetin						<0.19	<0.18						
Phenanthrene		210				1.4	<0.054						
Phenol		100				<0.055	<0.054						
2-Picoline						<0.055	<0.054						
Pronamide						<0.055	<0.054						
Pyrene		4200				2.8	<0.054						
Pyridine		---				<0.19	<0.18						
Safrole						<0.055	<0.054						
1,2,4,5-Tetrachlorobenzene						<0.055	<0.054						
2,3,4,6-Tetrachlorophenol						<0.055	<0.054						
1,2,4-Trichlorobenzene		5				<0.055	<0.054						
2,4,5-Trichlorophenol		270				<0.055	<0.054						
2,4,6-Trichlorophenol		0.2				<0.055	<0.054						
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5				<0.0058	<0.0053						
alpha-BHC		0.0005				<0.0023	<0.0021						
beta-BHC						<0.0058	<0.0053						
delta-BHC						0.025 O1	<0.0053						
gamma-BHC		0.009				<0.0058	<0.0053						
alpha-Chlordane		10				<0.0058	<0.0053						

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1136-06 SB15 5-6 Soil 9/27/2022 9:50 AM 83.06613	22I1136-10 SB15 9-12 Soil 9/27/2022 10:00 AM 84.04786	23I0395-09 SB-15E (6-8) Soil 9/12/2023 12:05 PM 85.79881	23I0387-01 SB-15E (14-16) Soil 9/12/2023 12:40 PM 86.86964	22I1136-13 SB16 4-6 Soil 9/27/2022 10:40 AM 82.58707	22I1136-14 SB16 9-12 Soil 9/27/2022 10:45 AM 77.33598	22I1132-01 SB17 5-7 Soil 9/27/2022 11:10 AM 87.67535	22I1132-04 SB18 0-4 Soil 9/27/2022 11:45 AM 89.25373	22I1132-03 SB18 6-7 Soil 9/27/2022 11:40 AM 87.09037	22I1132-02 SB18 10-12 Soil 9/27/2022 11:30 AM 80.30888
pH - Standard Units													
pH						9.2 I, Q	8.6 I, Q						
gamma-Chlordane		10				<0.0058	<0.0053						
Dieldrin		0.004				<0.0023	<0.0021						
p,p'-DDT		32				<0.0058	<0.0053						
p,p'-DDD		16				<0.0058	<0.0053						
p,p'-DDE		54				<0.0058	<0.0053						
Endosulfan I		18				<0.0058	<0.0053						
Endosulfan II						<0.0058	<0.0053						
Endosulfan sulfate						<0.0058	<0.0053						
Endrin		1				<0.0058	<0.0053						
Endrin aldehyde						<0.0058	<0.0053						
Endrin ketone						0.017	<0.0053						
Heptachlor		23				<0.0058	<0.0053						
Heptachlor epoxide		0.7				<0.0058	<0.0053						
Methoxychlor		160				<0.0058	<0.0053						
Toxaphene		31				<0.12	<0.11						
Aroclor 1016						<0.012	<0.011						
Aroclor 1221						<0.012	<0.011						
Aroclor 1232						<0.012	<0.011						
Aroclor 1242						<0.012	<0.011						
Aroclor 1248						<0.012	<0.011						
Aroclor 1254						<0.012	<0.011						
Aroclor 1260						<0.012	<0.011						
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH						9.2 I, Q	8.6 I, Q						

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717
pH - Standard Units													
pH										8.5 I, Q	8.6 I, Q	8.4 I, Q	
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		13700	14100	25000	12100	44200	6980	12600	13100	11100	12500
Antimony	all	5		19.7 B2	3.87 B2	30.4 B2	2.84 B2	35.9 B2	<2.61 B2	<0.010	<0.010	<0.010	68.5 B2
Arsenic	6.25 - 6.64	29		18.3	11.3 B2	15.1	5.98 B2	19.8	19.9				35.5
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31											
	8.25 to 8.74	32								<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7	
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		246	47.7	2300	41.4	868	21.1	0.463	0.462	0.27	220
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		31.7	<0.26	<0.23	<0.25	<0.23	<0.26	<0.001	<0.001	<0.001	0.81
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		1420 B1	35.8 B1	87.7 B1	16.1 B1	73.8 B1	15.5 B1	23.3	28.1	23.1	38.1 B1
Cadmium	**6.25 to 6.4**	5.2		23.8 B2	6.35 B2	21.8 B2	3.69 B2	36.0 B2	6.16 B2	0.003 B2	0.003 B2	0.049 B2	34.9 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		15000	61200	35400	57500	40300	46500	77100	86300	70600	10100
Chromium	**NS**	NS		36.8	22.6	38.8	18.9	36.4	12.2	<0.005	<0.005	<0.005	31.2
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		31.1	10.8	15.4	7.94	20.3	7.27	9.12	9.47	9.11	11.9
Copper	**6.25 to 6.64**	59,000		4930	27.5	5840	19.9	9290	31.5	37.9	274 J3	20	11900
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40			<0.033 V	<0.033 V	<0.034 V	0.038 V	<0.036 V	<0.035	<0.030	<0.034	0.402 V
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		48700	19700	115000	15900	192000	18700	18700	28800	15300	41600
Lead	**6.25 to 6.64**	--		3460	12.9	7270	10.1	8970	23.8	0.015	<0.010	<0.010	6250
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		6190	37400	10300	34100	8020	27500	34100	37100	34700	3270
Manganese	**NRO**	1,924		1700	855	1230	456	1980	342	465	623 J3	457	662
Mercury	**6.25 to 6.64**	0.89		0.15	0.01	0.1	0.01	0.05	0.02	0.03	0.03	0.02	1.81
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		221	28.9	58.7	21.5	63	20.1	0.008	0.009	0.007	123
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		978	4320	3120	3780	5690	2450	3320	3170	3800	1480
Selenium	**6.25 to 6.64**	6.3		10.1 B2	4.51 B2	9.97 B2	<2.47 B2	14.0 B2	2.92 B2	0.032 J6	0.034 J6	<0.025 J5	8.70 B2

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717
pH - Standard Units													
pH										8.5 I, Q	8.6 I, Q	8.4 I, Q	
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		3.13	<0.66	<0.57	<0.62	0.84	<0.65	<0.012	<0.012	<0.012	4.38
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		9140	370	2450	<247	14800	308	<228	539	467	869
Strontium	**NRO**	NRO		78.7	51.1	129	56.2	211	26.6	46.2	58	44.6	69.4
Thallium	**6.25 to 6.64**	2.6		<2.18 B2	<2.62 B2	12.1 B2	<2.47 B2	15.3 B2	<2.61 B2	<0.025 B1	<0.025 B1	<0.025 B1	<2.73 B2
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		25.1	24.9	35.9	22.7	49.7	18.2	<0.005 B1	<0.005 B1	<0.005 B1	21.5
Zinc	**6.25 to 6.64**	5100		48900	381	32300	57.6	64800	638	0.03	<0.025	1.37	22700
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25			<0.0052	0.0047	<0.0057	0.015	<0.0051	<0.0046	<0.0045	0.013	<0.0078
Benzene		0.03			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Bromobenzene		0.86			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Bromochloroethene													
Bromochloromethane					<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Bromodichloromethane		0.6			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Bromoform		0.8			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Bromomethane		0.2			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
2-Butanone (MEK)		17			<0.0052	<0.0045	<0.0057	<0.0055	<0.0051	<0.0046	<0.0045	<0.0089	<0.0078
Carbon Disulfide		32			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Carbon tetrachloride		0.07			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Chlorobenzene		1			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Chloroethane		---			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Chloroform		0.6			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Chloromethane		---			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Dibromochloromethane		0.4			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,2-Dibromoethane					<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Dibromomethane					<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1-Dichloroethane		23			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,2-Dichloroethane		0.02			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1-Dichloroethene					<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
cis-1,2-Dichloroethene		0.4			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
trans-1,2-Dichloroethene		0.7			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1-Dichloropropene					<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,2-Dichloropropane		0.03			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,3-Dichloropropane		1000			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
2,2-Dichloropropane					<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
cis-1,3-Dichloropropene		0.004			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
trans-1,3-Dichloropropene		0.004			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Ethylbenzene		13			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
2-Hexanone (MBK)		0.16			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Isobutyl acetate													
Isopropylbenzene (Cumene)		91			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Methylene Chloride		0.02			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Methyl tert-butyl ether		0.32			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
4-Methyl-2pentanone (MIBK)		---			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Stryene		4			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Tetrachloroethene		0.06			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Trichlorofluoromethane		34			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Toluene		12			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1,1-Trichloroethane		2			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1,2-Trichloroethane		0.02			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,2,3-Trichloropropane		0.000017			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1,1,2-Tetrachloroethane		3.2			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
1,1,2,2-Tetrachloroehtane		3.3			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Trichloroethene		0.06			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Vinyl chloride		0.01			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Xylenes, Total		150			<0.0021	<0.0018	<0.0023	<0.0022	<0.002	<0.0019	<0.0018	<0.0036	<0.0031
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570								<0.055	<0.055	<0.057	
Acenaphthylene		85								<0.055	<0.055	<0.057	
Acetophenone										<0.055	<0.055	<0.057	
Anthracene		12000								<0.055	<0.055	<0.057	
Azobenzene										<0.055	<0.055	<0.057	
Benzo(a)anthracene		2								0.083	0.16	<0.057	
Benzo(b)fluoranthene		5								0.18	0.25	<0.057	

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717
pH - Standard Units													
pH										8.5 I, Q	8.6 I, Q	8.4 I, Q	
Benzo(k)fluoranthene		49								0.073	0.096	<0.057	
Benzo(g,h,i)perylene		27000								0.076	0.13	<0.057	
Benzo(a)pyrene		8								0.11	0.18	<0.057	
Bis(2-chloroethyl)ether		0.0004								<0.055	<0.055	<0.057	
Bis(2-chloroethoxy)methane										<0.055	<0.055	<0.057	
Bis(2-ethylhexyl)phthalate		3600								<0.19	<0.19	<0.19	
4-Bromophenyl phenyl ether										<0.055	<0.055	<0.057	
Butyl benzyl phthalate		930								<0.055	<0.055	<0.057	
Carbazole		0.6								<0.055	<0.055	<0.057	
4-Chloro-3-methylphenol										<0.055	<0.055	<0.057	
4-Chloroaniline		0.7								<0.055	<0.055	<0.057	
1-Chloronaphthalene										<0.055	<0.055	<0.057	
2-Chloronaphthalene		49								<0.055	<0.055	<0.057	
2-Chlorophenol		4								<0.055	<0.055	<0.057	
4-Chlorophenyl phenyl ether										<0.055	<0.055	<0.057	
Chrysene		160								0.11	0.2	<0.057	
1,2-Dichlorobenzene		17								<0.055	<0.055	<0.057	
1,3-Dichlorobenzene										<0.055	<0.055	<0.057	
1,4-Dichlorobenzene		2								<0.055	<0.055	<0.057	
2,4-Dichlorophenol		1								<0.055	<0.055	<0.057	
Di-n-butyl phthalate		2300								<0.19	<0.19	<0.19	
Di-n-octyl phthalate		10000								<0.19	<0.19	<0.19	
1,2-Dinitrobenzene										<0.19	<0.19	<0.19	
1,3-Dinitrobenzene		0.0037								<0.19	<0.19	<0.19	
1,4-Dinitrobenzene										<0.055	<0.055	<0.057	
2,6-Dinitrotoluene		0.0007								<0.055	<0.055	<0.057	
2,4-Dinitrophenol		0.2								<0.19	<0.19	<0.19	
2,4-Dinitrotoluene		0.0008								<0.055	<0.055	<0.057	
Dibenz(a,h)anthracene		2								<0.055	<0.055	<0.057	
Dibenzofuran		3								<0.055	<0.055	<0.057	
3,3'-Dichlorobenzidine		0.007								<0.055	<0.055	<0.057	
2,6-Dichlorophenol										<0.055	<0.055	<0.057	
Diethyl phthalate		470								<0.055	<0.055	<0.057	
Dimethyl phthalate		380								<0.055	<0.055	<0.057	
p-Dimethylaminoazobenzene										<0.19	<0.19	<0.19	
7,12-Dimethylbenzo(a)anthracene										<0.19	<0.19	<0.19	
2,4-Dimethylphenol		9								<0.055	<0.055	<0.057	
4,6-Dinitro-2-methylphenol										<0.19	<0.19	<0.19	
Diphenylamine		20								<0.055	<0.055	<0.057	
Fluoranthene		4300								0.2	0.42	<0.057	
Fluorene		560								<0.055	<0.055	<0.057	
Hexachlorobenzene										<0.055	<0.055	<0.057	
Hexachlorobutadiene		2.2								<0.055	<0.055	<0.057	
Hexachlorocyclopentadiene										<0.19	<0.19	<0.19	
Hexachloroethane		0.5								<0.055	<0.055	<0.057	
Hexachloropropene										<0.055	<0.055	<0.057	
Indeno(1,2,3-cd)pyrene		14								<0.19	<0.19	<0.19	
Isodrin										<0.055	<0.055	<0.057	
Isophorone		8								<0.19	<0.19	<0.19	
Isosafrole										<0.055	<0.055	<0.057	
Mestranol										<0.19	<0.19	<0.19	
Ethyl methanesulfonate										<0.055	<0.055	<0.057	
Methyl methanesulfonate										<0.055	<0.055	<0.057	
2-Methylnaphthalene		1.9								<0.055	<0.055	<0.057	
2-Methylphenol		15								<0.055	<0.055	<0.057	
4-Methylphenol		3.9								<0.055	<0.055	<0.057	
Naphthalene		12								<0.055	<0.055	<0.057	
1-Naphthylamine										<0.19	<0.19	<0.19	
2-Naphthylamine										<0.19	<0.19	<0.19	
5-Nitroacenaphthene										<0.055	<0.055	<0.057	
2-Nitroaniline		0.7								<0.19	<0.19	<0.19	
3-Nitroaniline										<0.055	<0.055	<0.057	
4-Nitroaniline		0.14								<0.055	<0.055	<0.057	
Nitrobenzene		0.1								<0.055	<0.055	<0.057	
4-Nitrobiphenyl										<0.19	<0.19	<0.19	
2-Nitrophenol										<0.19	<0.19	<0.19	
4-Nitrophenol		---								<0.055	<0.055	<0.057	
N-Nitrosodi-n-butylamine										<0.055	<0.055	<0.057	
N-Nitrosodi-n-propylamine		0.00005								<0.055	<0.055	<0.057	
N-Nitrosopiperidine										<0.055	<0.055	<0.057	
2,2'-Oxybis (1-chloropropane)										<0.055	<0.055	<0.057	
Pentachlorobenzene		31								<0.055	<0.055	<0.057	
Pentachloronitrobenzene										<0.055	<0.055	<0.057	
Pentachlorophenol		0.03								<0.19	<0.19	<0.19	
Phenacetin										<0.19	<0.19	<0.19	
Phenanthrene		210								<0.055	0.21	<0.057	
Phenol		100								<0.055	<0.055	<0.057	
2-Picoline										<0.055	<0.055	<0.057	
Pronamide										<0.055	<0.055	<0.057	
Pyrene		4200								0.21	0.35	<0.057	
Pyridine		---								<0.19	<0.19	<0.19	
Safrole										<0.055	<0.055	<0.057	
1,2,4,5-Tetrachlorobenzene										<0.055	<0.055	<0.057	
2,3,4,6-Tetrachlorophenol										<0.055	<0.055	<0.057	
1,2,4-Trichlorobenzene		5								<0.055	<0.055	<0.057	
2,4,5-Trichlorophenol		270								<0.055	<0.055	<0.057	
2,4,6-Trichlorophenol		0.2								<0.055	<0.055	<0.057	
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5								<0.0056	<0.0055	<0.0059	
alpha-BHC		0.0005								<0.0022	<0.0022	<0.0023	
beta-BHC										<0.0056	<0.0055	<0.0059	
delta-BHC										<0.0056 O1	<0.0055	<0.0059	
gamma-BHC		0.009								<0.0056	<0.0055	<0.0059	
alpha-Chlordane		10								<0.0056	<0.0055	<0.0059	

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-07 SB19 5.5-7 Soil 9/27/2022 11:50 AM 89.87976	22I1132-08 SB19 8-10 Soil 9/27/2022 12:00 PM 77.8335	22I1132-10 SB20 6-10 Soil 9/27/2022 12:20 PM 89.67229	22I1132-12 SB20 10-12 Soil 9/27/2022 12:30 PM 82.68269	22I1132-09 SB21 4.5-6.5 Soil 9/27/2022 12:20 PM 88.31683	22I1132-11 SB21 10-12 Soil 9/27/2022 12:30 PM 78.29534	23I0451-06 SB-21E (1-3) Soil 9/13/2023 9:30 AM 87.53568	23I0451-07 SB-21E (1-3) D Soil 9/13/2023 9:30 AM 88.33182	23I0451-08 SB-21E (10-12) Soil 9/13/2023 9:55 AM 82.5188	22I1132-14 SB22 4-6 Soil 9/27/2022 1:20 PM 73.20717
pH - Standard Units													
pH										8.5 I, Q	8.6 I, Q	8.4 I, Q	
gamma-Chlordane		10								<0.0056	<0.0055	<0.0059	
Dieldrin		0.004								<0.0022	<0.0022	<0.0023	
p,p'-DDT		32								<0.0056	0.006	<0.0059	
p,p'-DDD		16								<0.0056	<0.0055	<0.0059	
p,p'-DDE		54								<0.0056	<0.0055	<0.0059	
Endosulfan I		18								<0.0056	<0.0055	<0.0059	
Endosulfan II										<0.0056	<0.0055	<0.0059	
Endosulfan sulfate										<0.0056	<0.0055	<0.0059	
Endrin		1								<0.0056	<0.0055	<0.0059	
Endrin aldehyde										<0.0056	<0.0055	<0.0059	
Endrin ketone										<0.0056	<0.0055	<0.0059	
Heptachlor		23								<0.0056	<0.0055	<0.0059	
Heptachlor epoxide		0.7								<0.0056	<0.0055	<0.0059	
Methoxychlor		160								<0.0056	<0.0055	<0.0059	
Toxaphene		31								<0.11	<0.11	<0.12	
Aroclor 1016										<0.011	<0.011	<0.012	
Aroclor 1221										<0.011	<0.011	<0.012	
Aroclor 1232										<0.011	<0.011	<0.012	
Aroclor 1242										<0.011	<0.011	<0.012	
Aroclor 1248										<0.011	<0.011	<0.012	
Aroclor 1254										<0.011	0.02	<0.012	
Aroclor 1260										<0.011	<0.011	<0.012	
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH										8.5 I, Q	8.6 I, Q	8.4 I, Q	

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-15 SB22 10-12 Soil 9/27/2022 1:30 PM 83.89662	22I1132-16 SB23 4-7 Soil 9/27/2022 2:00 PM 81.28713	22I1132-17 SB23 8-10 Soil 9/27/2022 2:10 PM 78.53561	22I1134-04 SB24 1-4 Soil 9/27/2022 2:40 PM 91.2785	22I1134-03 SB24 6-8 Soil 9/27/2022 2:30 PM 64.43349	22I1134-01 SB24 10-12 Soil 9/27/2022 2:20 PM 79.90099	22I1134-07 SB25 5-7 Soil 9/27/2022 3:50 PM 85.84248	22I1134-08 SB25 8-10 Soil 9/27/2022 4:00 PM 74.72417	22I1134-09 SB26 2-4 Soil 9/27/2022 3:50 PM 83.15271	22I1134-10 SB26 14-16 Soil 9/27/2022 4:00 PM 86.09732
pH - Standard Units													
pH													
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		14600	5840	11900	9240	125000	16400	10700	12100	19200	4630
Antimony	all	5		3.72 B2	19.2 B2	<2.60 B2	3.48 B2	85.7 B2	3.99 B2, J3	20.9 B2	4.62 B2	5.18 B2	<2.28 B2
Arsenic	6.25 - 6.64	29		10.9 B2	42.1	8.87 B2	9.44 B2	64.3	4.91 B2	17.7 B2	6.69 B2	11.5 B2	6.69 B2
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31											
	8.25 to 8.74	32											
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		42	102	37.4	37.1 I	160 I	59.4 I	107 I	33.5 I	110 I	19.4 I
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.24	1.33	<0.26	<0.22	0.48	<0.25	1.35	<0.26	<0.24	<0.23
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		24.8 B1	39.5 B1	13.5 B1	17.8 B1, I	159 B1, I	27.2 B1, I	44.3 B1, I	16.1 B1, I	13.4 B1, I	9.68 B1, I
Cadmium	**6.25 to 6.4**	5.2		4.61 B2	87.6 B2	4.14 B2	3.44 B2	47.5 B2	3.48 B2	15.0 B2	8.48 B2	5.03 B2	2.63 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		74900	5120	2660	61800 I	23700 I	7220 I, J3	54600 I	36100 I	17100 I	84700 I
Chromium	**NS**	NS		22.2	9.99	21.9	15	107	25.8	21.7	22.6	23.6	8.09
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		10.1	40.5	9.79	7.27	7.02	8.08	10.3	11.2	10.9	5.37
Copper	**6.25 to 6.64**	59,000		32.2	1180	19.9	51.5 I	15600 I	29.2 I	8270 I	31.1 I	21.3 I	15.7 I
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.035 V	0.081 V	<0.032 V	<0.033 J3	0.324	<0.037 V	0.222 J3	<0.040	0.171	0.091
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		19800	40000	20000	14000 I	16700 I	13900 I	21200 I	20700 I	22500 I	10800 I
Lead	**6.25 to 6.64**	--		15.2	911	11.8	32.4 I	4050	13.0 I	2520	12.9 I	15.6 I	6.37 I
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		35700	2330	4350	31700	7060	7630 J3	26800	24000	9200	43700
Manganese	**NRO**	1,924		457	827	226	409 I	1030 I	170 I, J3	547 I	1010 I	675 I	515 I
Mercury	**6.25 to 6.64**	0.89		0.01	0.1	0.02	0.07	0.58 J3	0.03	0.31	0.02	0.04	0.008
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		27.3	97.1	24.3	17.6	201	26.4	74.8	30	20.9	11.6
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		4770	634	2320	2150	595	2910	1480	2920	2210	1470
Selenium	**6.25 to 6.64**	6.3		3.86 B2	7.60 B2	<2.60 B2	<2.19	16.9	<2.50	3.99	<2.62	6.1	<2.28

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1132-15 SB22 10-12 Soil 9/27/2022 1:30 PM 83.89662	22I1132-16 SB23 4-7 Soil 9/27/2022 2:00 PM 81.28713	22I1132-17 SB23 8-10 Soil 9/27/2022 2:10 PM 78.53561	22I1134-04 SB24 1-4 Soil 9/27/2022 2:40 PM 91.2785	22I1134-03 SB24 6-8 Soil 9/27/2022 2:30 PM 64.43349	22I1134-01 SB24 10-12 Soil 9/27/2022 2:20 PM 79.90099	22I1134-07 SB25 5-7 Soil 9/27/2022 3:50 PM 85.84248	22I1134-08 SB25 8-10 Soil 9/27/2022 4:00 PM 74.72417	22I1134-09 SB26 2-4 Soil 9/27/2022 3:50 PM 83.15271	22I1134-10 SB26 14-16 Soil 9/27/2022 4:00 PM 86.09732
pH - Standard Units													
pH													
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.60	5.15	<0.65	0.6	5.68	<0.63	2.65	<0.66	<0.60	0.86
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		363	1320	433	591	845	513	957	426	2630	314
Strontium	**NRO**	NRO		48.7	25.3	13.3	30.3	177	51.6	50.6	28.7	24.4	36.9
Thallium	**6.25 to 6.64**	2.6		<2.38 B2	<2.41 B2	<2.60 B2	<2.19 B2	4.88 B2	<2.50 B2	<2.33 B2	<2.62 B2	<2.41 B2	<2.28 B2
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		26.3	8.14	30.7	20.7 I	17.5 I	21.1 I	17.9 I	30.4 I	37.8 I	11.3 I
Zinc	**6.25 to 6.64**	5100		75.9	69000	126	331	16900	450	15200	1420	125	73.6
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0047	<0.0063	0.0091	<0.004	<0.0077	0.005	<0.0046	0.0094	0.017	<0.0045
Benzene		0.03		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Bromobenzene		0.86		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Bromochloroethene													
Bromochloromethane				<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Bromodichloromethane		0.6		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Bromoform		0.8		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Bromomethane		0.2		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
2-Butanone (MEK)		17		<0.0047	<0.0063	<0.0054	<0.004	<0.0077	<0.005	<0.0046	<0.0057	0.0081	<0.0045
Carbon Disulfide		32		<0.0019	0.0063	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Carbon tetrachloride		0.07		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Chlorobenzene		1		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Chloroethane		---		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Chloroform		0.6		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Chloromethane		---		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Dibromochloromethane		0.4		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,2-Dibromoethane				<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Dibromomethane				<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1-Dichloroethane		23		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,2-Dichloroethane		0.02		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1-Dichloroethene				<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
cis-1,2-Dichloroethene		0.4		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
trans-1,2-Dichloroethene		0.7		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1-Dichloropropene				<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,2-Dichloropropane		0.03		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,3-Dichloropropane		1000		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
2,2-Dichloropropane				<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
cis-1,3-Dichloropropene		0.004		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
trans-1,3-Dichloropropene		0.004		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Ethylbenzene		13		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
2-Hexanone (MBK)		0.16		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Methylene Chloride		0.02		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Methyl tert-butyl ether		0.32		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Stryene		4		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Tetrachloroethene		0.06		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Trichlorofluoromethane		34		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Toluene		12		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1,1-Trichloroethane		2		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1,2-Trichloroethane		0.02		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,2,3-Trichloropropane		0.000017		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Trichloroethene		0.06		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Vinyl chloride		0.01		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Xylenes, Total		150		<0.0019	<0.0025	<0.0022	<0.0016	<0.0031	<0.002	<0.0018	<0.0023	<0.0024	<0.0018
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570											
Acenaphthylene		85											
Acetophenone													
Anthracene		12000											
Azobenzene													
Benzo(a)anthracene		2											
Benzo(b)fluoranthene		5											

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample #	22I1132-15	22I1132-16	22I1132-17	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08	22I1134-09	22I1134-10
			Sample Name	SB22 10-12	SB23 4-7	SB23 8-10	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10	SB26 2-4	SB26 14-16
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	1:30 PM	2:00 PM	2:10 PM	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM	3:50 PM	4:00 PM
			% Solids	83.89662	81.28713	78.53561	91.2785	64.43349	79.90099	85.84248	74.72417	83.15271	86.09732
pH - Standard Units													
pH													
Benzo(k)fluoranthene		49											
Benzo(g,h,i)perylene		27000											
Benzo(a)pyrene		8											
Bis(2-chloroethyl)ether		0.0004											
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate		3600											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate		930											
Carbazole		0.6											
4-Chloro-3-methylphenol													
4-Chloroaniline		0.7											
1-Chloronaphthalene													
2-Chloronaphthalene		49											
2-Chlorophenol		4											
4-Chlorophenyl phenyl ether													
Chrysene		160											
1,2-Dichlorobenzene		17											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene		2											
2,4-Dichlorophenol		1											
Di-n-butyl phthalate		2300											
Di-n-octyl phthalate		10000											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene		0.0037											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene		0.0007											
2,4-Dinitrophenol		0.2											
2,4-Dinitrotoluene		0.0008											
Dibenz(a,h)anthracene		2											
Dibenzofuran		3											
3,3'-Dichlorobenzidine		0.007											
2,6-Dichlorophenol													
Diethyl phthalate		470											
Dimethyl phthalate		380											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol		9											
4,6-Dinitro-2-methylphenol													
Diphenylamine		20											
Fluoranthene		4300											
Fluorene		560											
Hexachlorobenzene													
Hexachlorobutadiene		2.2											
Hexachlorocyclopentadiene													
Hexachloroethane		0.5											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene		14											
Isodrin													
Isophorone		8											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene		1.9											
2-Methylphenol		15											
4-Methylphenol		3.9											
Naphthalene		12											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline		0.7											
3-Nitroaniline													
4-Nitroaniline		0.14											
Nitrobenzene		0.1											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol		---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine		0.00005											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene		31											
Pentachloronitrobenzene													
Pentachlorophenol		0.03											
Phenacetin													
Phenanthrene		210											
Phenol		100											
2-Picoline													
Pronamide													
Pyrene		4200											
Pyridine		---											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene		5											
2,4,5-Trichlorophenol		270											
2,4,6-Trichlorophenol		0.2											
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5											
alpha-BHC		0.0005											
beta-BHC													
delta-BHC													
gamma-BHC		0.009											
alpha-Chlordane		10											

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample #	22I1132-15	22I1132-16	22I1132-17	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08	22I1134-09	22I1134-10
			Sample Name	SB22 10-12	SB23 4-7	SB23 8-10	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10	SB26 2-4	SB26 14-16
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	1:30 PM	2:00 PM	2:10 PM	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM	3:50 PM	4:00 PM
			% Solids	83.89662	81.28713	78.53561	91.2785	64.43349	79.90099	85.84248	74.72417	83.15271	86.09732
pH - Standard Units													
pH													
gamma-Chlordane		10											
Dieldrin		0.004											
p,p'-DDT		32											
p,p'-DDD		16											
p,p'-DDE		54											
Endosulfan I		18											
Endosulfan II													
Endosulfan sulfate													
Endrin		1											
Endrin aldehyde													
Endrin ketone													
Heptachlor		23											
Heptachlor epoxide		0.7											
Methoxychlor		160											
Toxaphene		31											
Aroclor 1016													
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH													

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-13 SB27 4.5-7 Soil 9/27/2022 4:35 PM 88.59127	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731
pH - Standard Units													
pH						8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		5280	14900	22700	9770	12400	9430	4470	17400	9950	9810
Antimony	all	5		9.18 B2	5.22 B2	0.076	<0.010	7.09 B2	2.91 B2	17.1 B2	7.36 B2	0.029	<0.010
Arsenic	6.25 - 6.64	29		12.3 B2	20.1			8.93 B2	8.10 B2	11.7 B2	30.7		
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31				<0.010 B1, J7						<0.010 B1, J7	
	8.25 to 8.74	32					<0.010 B1, J7						<0.010 B1, J7
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		74.0 I	69.3 I	1.16	0.295	206 I	24.9 I	217	115	0.526	0.225
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		1.05	<0.24	<0.001	<0.001	5.36	0.24	0.72	0.56	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		73.9 B1, I	24.3 B1, I	34	30.5	110 B1, I	8.48 B1, I	22.1 B1	<6.28 B1	32.7	11.7
Cadmium	**6.25 to 6.4**	5.2		9.15 B2	7.73 B2	0.158 B2	0.003 B2	13.1 B2	3.84 B2	39.3 B2	24.7 B2	0.075 B2	0.003 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		82800 I	40500 I	6020	55700	69200 I	11600 I	75300	4970	77400	16100
Chromium	**NS**	NS		22.3	22.5	<0.005	<0.005	38.5	17.9	24.1	26.8	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		7.35	20.4	15.7	9.78	8.29	7.61	9.8	13.3	7.82	7.24
Copper	**6.25 to 6.64**	59,000		883 I	29.7 I	189	47.2	7190 I	21.9 I	4380	95.2	614	19.7
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.183 J3	<0.037	0.047	<0.036	0.488	<0.035	0.318	0.051	0.071	<0.032
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		28400 I	37300 I	22000	21200	16900 I	17300 I	32700	52400	18300	15300
Lead	**6.25 to 6.64**	--		620 I	14.2 I	21.9	<0.010	705 I	14.7 I	1860	1680	1.21	<0.010
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		42000	27300	6560	29500	31900	9240	41900	7550	35100	11200
Manganese	**NRO**	1,924		560 I	929 I	366	351	4990 I	216 I	1270	1810	547	204
Mercury	**6.25 to 6.64**	0.89		0.39	0.02	0.05	0.02	0.31	0.03	1.45	0.02	0.21	0.02
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		40.6	40.5	0.088	0.01	67.1	19.6	53.6	36.5	0.225	0.009
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		886	3250	3070	2370	2060	2420	668	3350	2480	2380
Selenium	**6.25 to 6.64**	6.3		3.24	7.73	0.026 J6	0.039 J6	11.4	2.86	7.90 B2	11.1 B2	0.039 J6	0.025 J6

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-13 SB27 4.5-7 Soil 9/27/2022 4:35 PM 88.59127	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731
pH - Standard Units													
pH						8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		1.27	<0.60	<0.012	<0.012	2.71	<0.61	2.84	<0.63	<0.012	<0.012
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		939	444	625	435	1320	<245	393	<251	649	<227
Strontium	**NRO**	NRO		47.7	25.1	30.5	28	77.1	16.3	47.7	23.3	45.7	16.3
Thallium	**6.25 to 6.64**	2.6		3.45 B2	2.76 B2	<0.025 B1	<0.025 B1	<2.39 B2	2.50 B2	3.74 B2	5.49 B2	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		16.1 I	27.4 I	<0.005 B1	<0.005 B1	18.8 I	27.5 I	9.13 B1	41.9 B1	<0.005 B1	<0.005 B1
Zinc	**6.25 to 6.64**	5100		3610	1380	80.6	0.23	7050	137	14900	6320	45.1	<0.025
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.008	<0.0057	<0.0067	<0.0048	0.0083	0.0083	<0.0071	<0.0056	<0.0088	<0.0044
Benzene		0.03		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Bromobenzene		0.86		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Bromochloroethene													
Bromochloromethane				<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Bromodichloromethane		0.6		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Bromoform		0.8		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Bromomethane		0.2		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
2-Butanone (MEK)		17		<0.0049	<0.0057	<0.0067	<0.0048	<0.0052	<0.0058	<0.0071	<0.0056	<0.0088	<0.0044
Carbon Disulfide		32		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	0.0028	<0.0023	<0.0035	<0.0018
Carbon tetrachloride		0.07		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Chlorobenzene		1		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Chloroethane		---		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Chloroform		0.6		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Chloromethane		---		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Dibromochloromethane		0.4		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,2-Dibromoethane				<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Dibromomethane				<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1-Dichloroethane		23		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,2-Dichloroethane		0.02		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1-Dichloroethene				<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
cis-1,2-Dichloroethene		0.4		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	0.0043	0.0054
trans-1,2-Dichloroethene		0.7		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1-Dichloropropene				<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,2-Dichloropropane		0.03		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,3-Dichloropropane		1000		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
2,2-Dichloropropane				<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
cis-1,3-Dichloropropene		0.004		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
trans-1,3-Dichloropropene		0.004		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Ethylbenzene		13		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
2-Hexanone (MBK)		0.16		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Methylene Chloride		0.02		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Methyl tert-butyl ether		0.32		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Stryene		4		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Tetrachloroethene		0.06		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Trichlorofluoromethane		34		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Toluene		12		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1,1-Trichloroethane		2		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1,2-Trichloroethane		0.02		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,2,3-Trichloropropane		0.000017		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Trichloroethene		0.06		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	0.011	0.003
Vinyl chloride		0.01		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Xylenes, Total		150		<0.0019	<0.0023	<0.0027	<0.0019	<0.0021	<0.0023	<0.0028	<0.0023	<0.0035	<0.0018
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570				<0.062	<0.058					<0.055	<0.057
Acenaphthylene		85				<0.062	<0.058					<0.055	<0.057
Acetophenone						<0.062	<0.058					<0.055	<0.057
Anthracene		12000				<0.062	<0.058					<0.055	<0.057
Azobenzene						<0.062	<0.058					<0.055	<0.057
Benzo(a)anthracene		2				<0.062	<0.058					<0.055	<0.057
Benzo(b)fluoranthene		5				<0.062	<0.058					<0.055	<0.057

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-13 SB27 4.5-7 Soil 9/27/2022 4:35 PM 88.59127	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731
pH - Standard Units													
pH						8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q
Benzo(k)fluoranthene		49				<0.062	<0.058					<0.055	<0.057
Benzo(g,h,i)perylene		27000				<0.062	<0.058					<0.055	<0.057
Benzo(a)pyrene		8				<0.062	<0.058					<0.055	<0.057
Bis(2-chloroethyl)ether		0.0004				<0.062	<0.058					<0.055	<0.057
Bis(2-chloroethoxy)methane						<0.062	<0.058					<0.055	<0.057
Bis(2-ethylhexyl)phthalate		3600				<0.21	<0.2					<0.19	<0.19
4-Bromophenyl phenyl ether						<0.062	<0.058					<0.055	<0.057
Butyl benzyl phthalate		930				<0.062	<0.058					<0.055	<0.057
Carbazole		0.6				<0.062	<0.058					<0.055	<0.057
4-Chloro-3-methylphenol						<0.062	<0.058					<0.055	<0.057
4-Chloroaniline		0.7				<0.062	<0.058					<0.055	<0.057
1-Chloronaphthalene						<0.062	<0.058					<0.055	<0.057
2-Chloronaphthalene		49				<0.062	<0.058					<0.055	<0.057
2-Chlorophenol		4				<0.062	<0.058					<0.055	<0.057
4-Chlorophenyl phenyl ether						<0.062	<0.058					<0.055	<0.057
Chrysene		160				<0.062	<0.058					<0.055	<0.057
1,2-Dichlorobenzene		17				<0.062	<0.058					<0.055	<0.057
1,3-Dichlorobenzene						<0.062	<0.058					<0.055	<0.057
1,4-Dichlorobenzene		2				<0.062	<0.058					<0.055	<0.057
2,4-Dichlorophenol		1				<0.062	<0.058					<0.055	<0.057
Di-n-butyl phthalate		2300				<0.21	<0.2					<0.19	<0.19
Di-n-octyl phthalate		10000				<0.21	<0.2					<0.19	<0.19
1,2-Dinitrobenzene						<0.21	<0.2					<0.19	<0.19
1,3-Dinitrobenzene		0.0037				<0.21	<0.2					<0.19	<0.19
1,4-Dinitrobenzene						<0.062	<0.058					<0.055	<0.057
2,6-Dinitrotoluene		0.0007				<0.062	<0.058					<0.055	<0.057
2,4-Dinitrophenol		0.2				<0.21	<0.2					<0.19	<0.19
2,4-Dinitrotoluene		0.0008				<0.062	<0.058					<0.055	<0.057
Dibenz(a,h)anthracene		2				<0.062	<0.058					<0.055	<0.057
Dibenzofuran		3				<0.062	<0.058					<0.055	<0.057
3,3'-Dichlorobenzidine		0.007				<0.062	<0.058					<0.055	<0.057
2,6-Dichlorophenol						<0.062	<0.058					<0.055	<0.057
Diethyl phthalate		470				<0.062	<0.058					<0.055	<0.057
Dimethyl phthalate		380				<0.062	<0.058					<0.055	<0.057
p-Dimethylaminoazobenzene						<0.21	<0.2					<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene						<0.21	<0.2					<0.19	<0.19
2,4-Dimethylphenol		9				<0.062	<0.058					<0.055	<0.057
4,6-Dinitro-2-methylphenol						<0.21	<0.2					<0.19	<0.19
Diphenylamine		20				<0.062	<0.058					<0.055	<0.057
Fluoranthene		4300				0.063	<0.058					<0.055	<0.057
Fluorene		560				<0.062	<0.058					<0.055	<0.057
Hexachlorobenzene						<0.062	<0.058					<0.055	<0.057
Hexachlorobutadiene		2.2				<0.062	<0.058					<0.055	<0.057
Hexachlorocyclopentadiene						<0.21	<0.2					<0.19	<0.19
Hexachloroethane		0.5				<0.062	<0.058					<0.055	<0.057
Hexachloropropene						<0.062	<0.058					<0.055	<0.057
Indeno(1,2,3-cd)pyrene		14				<0.21	<0.2					<0.19	<0.19
Isodrin						<0.062	<0.058					<0.055	<0.057
Isophorone		8				<0.21	<0.2					<0.19	<0.19
Isosafrole						<0.062	<0.058					<0.055	<0.057
Mestranol						<0.21	<0.2					<0.19	<0.19
Ethyl methanesulfonate						<0.062	<0.058					<0.055	<0.057
Methyl methanesulfonate						<0.062	<0.058					<0.055	<0.057
2-Methylnaphthalene		1.9				<0.062	<0.058					<0.055	<0.057
2-Methylphenol		15				<0.062	<0.058					<0.055	<0.057
4-Methylphenol		3.9				<0.062	<0.058					<0.055	<0.057
Naphthalene		12				<0.062	<0.058					<0.055	<0.057
1-Naphthylamine						<0.21	<0.2					<0.19	<0.19
2-Naphthylamine						<0.21	<0.2					<0.19	<0.19
5-Nitroacenaphthene						<0.062	<0.058					<0.055	<0.057
2-Nitroaniline		0.7				<0.21	<0.2					<0.19	<0.19
3-Nitroaniline						<0.062	<0.058					<0.055	<0.057
4-Nitroaniline		0.14				<0.062	<0.058					<0.055	<0.057
Nitrobenzene		0.1				<0.062	<0.058					<0.055	<0.057
4-Nitrobiphenyl						<0.21	<0.2					<0.19	<0.19
2-Nitrophenol						<0.21	<0.2					<0.19 J5	<0.19 J5
4-Nitrophenol		---				<0.062	<0.058					<0.055	<0.057
N-Nitrosodi-n-butylamine						<0.062	<0.058					<0.055	<0.057
N-Nitrosodi-n-propylamine		0.00005				<0.062	<0.058					<0.055	<0.057
N-Nitrosopiperidine						<0.062	<0.058					<0.055	<0.057
2,2'-Oxybis (1-chloropropane)						<0.062	<0.058					<0.055	<0.057
Pentachlorobenzene		31				<0.062	<0.058					<0.055	<0.057
Pentachloronitrobenzene						<0.062	<0.058					<0.055	<0.057
Pentachlorophenol		0.03				<0.21	<0.2					<0.19	<0.19
Phenacetin						<0.21	<0.2					<0.19	<0.19
Phenanthrene		210				<0.062	<0.058					<0.055	<0.057
Phenol		100				<0.062	<0.058					<0.055	<0.057
2-Picoline						<0.062	<0.058					<0.055	<0.057
Pronamide						<0.062	<0.058					<0.055	<0.057
Pyrene		4200				<0.062	<0.058					<0.055	<0.057
Pyridine		---				<0.21	<0.2					<0.19	<0.19
Safrole						<0.062	<0.058					<0.055	<0.057
1,2,4,5-Tetrachlorobenzene						<0.062	<0.058					<0.055	<0.057
2,3,4,6-Tetrachlorophenol						<0.062	<0.058					<0.055	<0.057
1,2,4-Trichlorobenzene		5				<0.062	<0.058					<0.055	<0.057
2,4,5-Trichlorophenol		270				<0.062	<0.058					<0.055	<0.057
2,4,6-Trichlorophenol		0.2				<0.062	<0.058					<0.055	<0.057
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5				<0.0064	<0.0058					<0.0058	<0.0054
alpha-BHC		0.0005				<0.0025	<0.0023					<0.0023	<0.0022
beta-BHC						<0.0064	<0.0058					<0.0058	<0.0054
delta-BHC						0.0093	<0.0058					<0.0058	<0.0054
gamma-BHC		0.009				<0.0064	<0.0058					<0.0058	<0.0054
alpha-Chlordane		10				<0.0064	<0.0058					<0.0058	<0.0054

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1134-13 SB27 4.5-7 Soil 9/27/2022 4:35 PM 88.59127	22I1134-14 SB27 8-10 Soil 9/27/2022 4:50 PM 81.25	23I0452-05 SB-27E (5-7) Soil 9/13/2023 11:25 AM 77.7668	23I0452-06 SB-27E (10-12) Soil 9/13/2023 11:35 AM 81.70377	22I1134-12 SB28 6-9 Soil 9/27/2022 4:30 PM 83.81909	22I1134-11 SB28 10-12 Soil 9/27/2022 4:40 PM 80.03992	22I1169-01 SB29 5-7 Soil 9/28/2022 9:00 AM 79.20398	22I1169-02 SB29 7-10 Soil 9/28/2022 9:10 AM 79.67968	23I0452-07 SB-29E (4-7) Soil 9/13/2023 11:40 AM 84.26746	23I0452-08 SB-29E (10-12) Soil 9/13/2023 11:55 AM 86.45731
pH - Standard Units													
pH						8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q
gamma-Chlordane		10				<0.0064	<0.0058					<0.0058	<0.0054
Dieldrin		0.004				<0.0025	<0.0023					<0.0023	<0.0022
p,p'-DDT		32				<0.0064	<0.0058					<0.0058	<0.0054
p,p'-DDD		16				<0.0064	<0.0058					<0.0058	<0.0054
p,p'-DDE		54				<0.0064	<0.0058					<0.0058	<0.0054
Endosulfan I		18				<0.0064	<0.0058					<0.0058	<0.0054
Endosulfan II						<0.0064	<0.0058					<0.0058	<0.0054
Endosulfan sulfate						<0.0064	<0.0058					<0.0058	<0.0054
Endrin		1				<0.0064	<0.0058					<0.0058	<0.0054
Endrin aldehyde						<0.0064	<0.0058					<0.0058	<0.0054
Endrin ketone						<0.0064	<0.0058					<0.0058	<0.0054
Heptachlor		23				<0.0064	<0.0058					<0.0058	<0.0054
Heptachlor epoxide		0.7				<0.0064	<0.0058					<0.0058	<0.0054
Methoxychlor		160				<0.0064	<0.0058					<0.0058	<0.0054
Toxaphene		31				<0.13	<0.12					<0.12	<0.11
Aroclor 1016						<0.013	<0.012					<0.012	<0.011
Aroclor 1221						<0.013	<0.012					<0.012	<0.011
Aroclor 1232						<0.013	<0.012					<0.012	<0.011
Aroclor 1242						<0.013	<0.012					<0.012	<0.011
Aroclor 1248						<0.013	<0.012					<0.012	<0.011
Aroclor 1254						<0.013	<0.012					<0.012	<0.011
Aroclor 1260						<0.013	<0.012					<0.012	<0.011
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH						8.0 I, Q	8.6 I, Q					8.2 I, Q	8.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156
pH - Standard Units													
pH						7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		3850	9960	13700	17500	10200	8400	11400	16000	11400	11500
Antimony	all	5		<2.30 B2	2.71 B2	<0.010	<0.010	4.01 B2	2.73 B2	6.82 B2	3.67 B2	<0.010	<0.010
Arsenic	6.25 - 6.64	29		5.32 B2	6.76 B2			12.9 B2	8.02 B2	11.6 B2	11.8 B2		
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31				<0.010 B1, J7							<0.010 B1, J7
	8.25 to 8.74	32					<0.010 B1, J7					<0.010 B1, J7	
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		24.1	32.1	0.534	0.361	50	39	90.8 I	66.7 I	0.471	0.605
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		0.56	<0.24	<0.001	<0.001	0.44	0.47	4.06	<0.23	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		16.1 B1	11.1 B1	136	25.6	43.5 B1	52.7 B1	213 B1, I	12.7 B1, I	22.2	34.6
Cadmium	**6.25 to 6.4**	5.2		2.66 B2	3.40 B2	0.015 B2	<0.003 B2	4.15 B2	3.62 B2	6.15 B2	5.37 B2	0.004 B2	0.008 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		134000	69300	126000	35100	63000	91000	56200 I	16300 I	70000	61500
Chromium	**NS**	NS		8.65	16.8	<0.005	0.005	16.1	12.4	21.3	25.5	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		3.84	9.05	9.87	19.8	8.17	6.85	13.4	11.6	9.56	9.15
Copper	**6.25 to 6.64**	59,000		197	17.9	253	26.4	117	185	1000 I	38.1 I	89.2 J3	2630
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.041	<0.033	0.122	<0.034	<0.031 V	<0.033	<0.035	<0.033 V	<0.035 J3	0.171
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		8530	14000	37900	31000	16900	14000	26000 I	29300 I	20000	21600
Lead	**6.25 to 6.64**	--		79.1	9.27	0.018	<0.010	87.4	112	430 I	18.8 I	0.006	0.032 V
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		74800	37000	55500	23200	30600	38400	27900	11900	34100	29800
Manganese	**NRO**	1,924		274	425	451	783	565	549	774 I	577 I	526 I	454
Mercury	**6.25 to 6.64**	0.89		0.05	0.02	0.02	0.01	0.06	0.07	<0.006	0.06	0.01	
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											1.67
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		13	19.8	0.048	0.008	21.8	21.2	59.4	35.6	0.021	0.042
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		1170	2870	2070	4900	2430	1550	2480	3240	2720	2510
Selenium	**6.25 to 6.64**	6.3		<2.30 B2	3.24 B2	<0.025 J5	<0.025 J5	<2.24 B2	<2.20 B2	5.09	2.58	<0.025 I, J3, J5	0.029 J6

IEPA TACO TABLE

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pH - Standard Units													
pH						7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		1.28	<0.61	<0.012	<0.012	<0.56	0.91	1.1	<0.56	<0.003	0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		362	<245	1360	256	1110	945	2220	730	517	542
Strontium	**NRO**	NRO		46.2	40.2	81.6	27.3	33.4	46.7	38.9	18.2	38.5 J3	47.5
Thallium	**6.25 to 6.64**	2.6		<2.30 B2	<2.45 B2	<0.025 B1	<0.025 B1	<2.24 B2	<2.20 B2	<2.26 B2	<2.26 B2	0.044 B2, V	0.045 B2, V
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		15.2 B1	17.9 B1	<0.005 B1	<0.005 B1	22.8	19.6 B1	21.2 I	28.6 I	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		453	43.8	3.61	<0.025	754	1110	7170	232	0.159 J6, V	1.42 J6
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.0096	<0.0048	<0.0061	<0.0045	<0.004	<0.0043	<0.0047	<0.0048	<0.0047	0.057
Benzene		0.03		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromobenzene		0.86		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromochloroethene													
Bromochloromethane				<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromodichloromethane		0.6		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromoform		0.8		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Bromomethane		0.2		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
2-Butanone (MEK)		17		<0.0058	<0.0048	<0.0061	<0.0045	<0.004	<0.0043	<0.0047	<0.0048	<0.0047	0.011
Carbon Disulfide		32		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Carbon tetrachloride		0.07		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chlorobenzene		1		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chloroethane		---		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chloroform		0.6		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Chloromethane		---		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Dibromochloromethane		0.4		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2-Dibromoethane				<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Dibromomethane				<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1-Dichloroethane		23		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2-Dichloroethane		0.02		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1-Dichloroethene				<0.0023	0.011	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
cis-1,2-Dichloroethene		0.4		<0.0023	0.19 L	<0.0024	0.11	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
trans-1,2-Dichloroethene		0.7		<0.0023	0.032	<0.0024	0.0029	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1-Dichloropropene				<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2-Dichloropropane		0.03		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,3-Dichloropropane		1000		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
2,2-Dichloropropane				<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
cis-1,3-Dichloropropene		0.004		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
trans-1,3-Dichloropropene		0.004		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Ethylbenzene		13		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
2-Hexanone (MBK)		0.16		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024 J2
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Methylene Chloride		0.02		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Methyl tert-butyl ether		0.32		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
4-Methyl-2pentanone (MIBK)		---		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0034	<0.0024
Stryene		4		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Tetrachloroethene		0.06		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Trichlorofluoromethane		34		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	0.0042 J2
Toluene		12		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0038	<0.0024
1,1,1-Trichloroethane		2		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1,2-Trichloroethane		0.02		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,2,3-Trichloropropane		0.000017		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1,1,2-Tetrachloroethane		3.2		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
1,1,2,2-Tetrachloroehtane		3.3		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Trichloroethene		0.06		<0.0023	0.19 L	<0.0024	0.098	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Vinyl chloride		0.01		<0.0023	0.026	<0.0024	0.002	<0.0016	<0.0017	<0.0019	<0.0019	<0.0019	<0.0024
Xylenes, Total		150		<0.0023	<0.0019	<0.0024	<0.0018	<0.0016	<0.0017	<0.0019	<0.0019	0.0023	0.0024
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570				<0.061	<0.056					<0.058	1.1
Acenaphthylene		85				<0.061	<0.056					<0.058	<0.062
Acetophenone						<0.061	<0.056					<0.058	<0.062
Anthracene		12000				<0.061	<0.056					<0.058	1.5
Azobenzene						<0.061	<0.056					<0.058	<0.062
Benzo(a)anthracene		2				<0.061	<0.056					0.11	2.5
Benzo(b)fluoranthene		5				<0.061	<0.056					0.18	2.5

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156
pH - Standard Units													
pH						7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q
Benzo(k)fluoranthene		49				<0.061	<0.056					0.071	0.82
Benzo(g,h,i)perylene		27000				<0.061	<0.056					0.088	0.79
Benzo(a)pyrene		8				<0.061	<0.056					0.13	2.1
Bis(2-chloroethyl)ether		0.0004				<0.061	<0.056					<0.058	<0.062
Bis(2-chloroethoxy)methane						<0.061	<0.056					<0.058	<0.062
Bis(2-ethylhexyl)phthalate		3600				<0.21	<0.19					<0.2	<0.21
4-Bromophenyl phenyl ether						<0.061	<0.056					<0.058	<0.062
Butyl benzyl phthalate		930				<0.061	<0.056					<0.058	<0.062
Carbazole		0.6				<0.061	<0.056					<0.058	0.4
4-Chloro-3-methylphenol						<0.061	<0.056					<0.058	<0.062
4-Chloroaniline		0.7				<0.061	<0.056					<0.058	<0.062
1-Chloronaphthalene						<0.061	<0.056					<0.058	<0.062
2-Chloronaphthalene		49				<0.061	<0.056					<0.058	<0.062
2-Chlorophenol		4				<0.061	<0.056					<0.058	<0.062
4-Chlorophenyl phenyl ether						<0.061	<0.056					<0.058	<0.062
Chrysene		160				<0.061	<0.056					0.13	2.7
1,2-Dichlorobenzene		17				<0.061	<0.056					<0.058	<0.062
1,3-Dichlorobenzene						<0.061	<0.056					<0.058	<0.062
1,4-Dichlorobenzene		2				<0.061	<0.056					<0.058	<0.062
2,4-Dichlorophenol						<0.061	<0.056					<0.058	<0.062
Di-n-butyl phthalate		2300				<0.21	<0.19					<0.2	<0.21
Di-n-octyl phthalate		10000				<0.21	<0.19					<0.2	<0.21
1,2-Dinitrobenzene						<0.21	<0.19					<0.2	<0.21
1,3-Dinitrobenzene		0.0037				<0.21	<0.19					<0.2	<0.21
1,4-Dinitrobenzene						<0.061	<0.056					<0.058	<0.062
2,6-Dinitrotoluene		0.0007				<0.061	<0.056					<0.058	<0.062
2,4-Dinitrophenol		0.2				<0.21	<0.19					<0.2	<0.21
2,4-Dinitrotoluene		0.0008				<0.061	<0.056					<0.058	<0.062
Dibenz(a,h)anthracene		2				<0.061	<0.056					<0.058	0.15
Dibenzofuran		3				<0.061	<0.056					<0.058	0.34
3,3'-Dichlorobenzidine		0.007				<0.061	<0.056					<0.058	<0.062
2,6-Dichlorophenol						<0.061	<0.056					<0.058	<0.062
Diethyl phthalate		470				<0.061	<0.056					<0.058	<0.062
Dimethyl phthalate		380				<0.061	<0.056					<0.058	<0.062
p-Dimethylaminoazobenzene						<0.21	<0.19					<0.2	<0.21
7,12-Dimethylbenzo(a)anthracene						<0.21	<0.19					<0.2	<0.21
2,4-Dimethylphenol		9				<0.061	<0.056					<0.058	<0.062
4,6-Dinitro-2-methylphenol						<0.21	<0.19					<0.2	<0.21
Diphenylamine		20				<0.061	<0.056					<0.058	<0.062
Fluoranthene		4300				<0.061	<0.056					0.27	4.9
Fluorene		560				<0.061	<0.056					<0.058	0.74
Hexachlorobenzene						<0.061	<0.056					<0.058	<0.062
Hexachlorobutadiene		2.2				<0.061	<0.056					<0.058	<0.062
Hexachlorocyclopentadiene						<0.21	<0.19					<0.2	<0.21
Hexachloroethane		0.5				<0.061	<0.056					<0.058	<0.062
Hexachloropropene						<0.061	<0.056					<0.058	<0.062
Indeno(1,2,3-cd)pyrene		14				<0.21	<0.19					<0.2	0.8
Isodrin						<0.061	<0.056					<0.058	<0.062
Isophorone		8				<0.21	<0.19					<0.2	<0.21
Isosafrole						<0.061	<0.056					<0.058	<0.062
Mestranol						<0.21	<0.19					<0.2	<0.21
Ethyl methanesulfonate						<0.061	<0.056					<0.058	<0.062
Methyl methanesulfonate						<0.061	<0.056					<0.058	<0.062
2-Methylnaphthalene		1.9				0.083	<0.056					<0.058	0.29
2-Methylphenol		15				<0.061	<0.056					<0.058	<0.062
4-Methylphenol		3.9				<0.061	<0.056					<0.058	<0.062
Naphthalene		12				<0.061	<0.056					<0.058	0.24
1-Naphthylamine						<0.21	<0.19					<0.2 O2	<0.21 O2
2-Naphthylamine						<0.21	<0.19					<0.2	<0.21
5-Nitroacenaphthene						<0.061	<0.056					<0.058	<0.062
2-Nitroaniline		0.7				<0.21	<0.19					<0.2	<0.21
3-Nitroaniline						<0.061	<0.056					<0.058	<0.062
4-Nitroaniline		0.14				<0.061	<0.056					<0.058	<0.062
Nitrobenzene		0.1				<0.061	<0.056					<0.058	<0.062
4-Nitrobiphenyl						<0.21	<0.19					<0.2	<0.21
2-Nitrophenol						<0.21	<0.19					<0.2	<0.21
4-Nitrophenol		---				<0.061	<0.056					<0.058	<0.062
N-Nitrosodi-n-butylamine						<0.061	<0.056					<0.058	<0.062
N-Nitrosodi-n-propylamine		0.00005				<0.061	<0.056					<0.058	<0.062
N-Nitrosopiperidine						<0.061	<0.056					<0.058	<0.062
2,2'-Oxybis (1-chloropropane)						<0.061	<0.056					<0.058	<0.062
Pentachlorobenzene		31				<0.061	<0.056					<0.058	<0.062
Pentachloronitrobenzene						<0.061	<0.056					<0.058	<0.062
Pentachlorophenol		0.03				<0.21	<0.19					<0.2	<0.21
Phenacetin						<0.21	<0.19					<0.2	<0.21
Phenanthrene		210				0.18	<0.056					0.12	7.9
Phenol		100				<0.061	<0.056					<0.058	<0.062
2-Picoline						<0.061	<0.056					<0.058	<0.062
Pronamide						<0.061	<0.056					<0.058	<0.062
Pyrene		4200				<0.061	<0.056					0.23	7
Pyridine		---				<0.21	<0.19					<0.2 O2	<0.21
Safrole						<0.061	<0.056					<0.058	<0.062
1,2,4,5-Tetrachlorobenzene						<0.061	<0.056					<0.058	<0.062
2,3,4,6-Tetrachlorophenol						<0.061	<0.056					<0.058	<0.062
1,2,4-Trichlorobenzene		5				<0.061	<0.056					<0.058	<0.062
2,4,5-Trichlorophenol		270				<0.061	<0.056					<0.058	<0.062
2,4,6-Trichlorophenol		0.2				<0.061	<0.056					<0.058	<0.062
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5				<0.0063	<0.0057					<0.0056	<0.0062
alpha-BHC		0.0005				<0.0025	<0.0023					<0.0022	<0.0025
beta-BHC						<0.0063	<0.0057					<0.0056	<0.0062
delta-BHC						<0.0063	<0.0057					<0.0056	<0.0062
gamma-BHC		0.009				<0.0063	<0.0057					<0.0056	<0.0062
alpha-Chlordane		10				<0.0063	<0.0057					<0.0056	<0.0062

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	22I1169-03 SB30 3-6 Soil 9/28/2022 9:40 AM 85.12563	22I1169-04 SB30 9-12 Soil 9/28/2022 9:50 AM 81.65504	23I0452-03 SB-30E (4-6) Soil 9/13/2023 10:50 AM 77.17073	23I0452-04 SB-30E (10-12) Soil 9/13/2023 11:00 AM 84.40546	22I1083-12 SB31 0-3 Soil 9/26/2022 3:40 PM 89.2821	22I1080-08 SB32 1-3 Soil 9/26/2022 5:25 PM 89.07816	22I1136-09 SB33 1-4 Soil 9/27/2022 10:10 AM 88.38133	22I1134-02 SB34 1-4 Soil 9/27/2022 2:40 PM 88.67735	23H1123-01 SB-35 (2-3') Soil 8/21/2023 1:10 PM 85.45994	23H1123-03 SB-35 (7-8') Soil 8/21/2023 1:23 PM 79.39156
pH - Standard Units													
pH						7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q
gamma-Chlordane		10				<0.0063	<0.0057					<0.0056	<0.0062
Dieldrin		0.004				<0.0025	<0.0023					<0.0022	<0.0025
p,p'-DDT		32				<0.0063	<0.0057					<0.0056	0.0066
p,p'-DDD		16				<0.0063	<0.0057					<0.0056	<0.0062
p,p'-DDE		54				<0.0063	<0.0057					<0.0056	<0.0062
Endosulfan I		18				<0.0063	<0.0057					<0.0056	<0.0062
Endosulfan II						<0.0063	<0.0057					<0.0056	<0.0062
Endosulfan sulfate						<0.0063	<0.0057					<0.0056	<0.0062
Endrin		1				<0.0063	<0.0057					<0.0056	<0.0062
Endrin aldehyde						<0.0063	<0.0057					<0.0056	<0.0062
Endrin ketone						<0.0063	<0.0057					<0.0056	<0.0062
Heptachlor		23				<0.0063	<0.0057					<0.0056	<0.0062
Heptachlor epoxide		0.7				<0.0063	<0.0057					<0.0056	<0.0062
Methoxychlor		160				0.0096	<0.0057					<0.0056	<0.0062
Toxaphene		31				<0.13	<0.11					<0.11	<0.12
Aroclor 1016						<0.013	<0.011					<0.011	<0.012
Aroclor 1221						<0.013	<0.011					<0.011	<0.012
Aroclor 1232						<0.013	<0.011					<0.011	<0.012
Aroclor 1242						<0.013	<0.011					<0.011	<0.012
Aroclor 1248						<0.013	<0.011					<0.011	<0.012
Aroclor 1254						<0.013	0.035					<0.011	0.11
Aroclor 1260						<0.013	<0.011					<0.011	<0.012
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH						7.8 I, Q	8.4 I, Q					8.4 I, Q	8.1 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052
pH - Standard Units													
pH				8.2 I, Q	8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q	8.3 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		8960	10900	13700	10600	11000	15000	7670	6890	12100	14000
Antimony	all	5		<0.010	<0.010	0.033	<0.010	0.039	<0.010	0.045	<0.010	0.027	0.015
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30						<0.010 B1, J7					
	7.75 to 8.24	31		<0.010 B1, J7	<0.010 B1, J7				<0.010 B1, J7		<0.010 B1, J7	<0.010 B1	
	8.25 to 8.74	32				<0.010 B1, J7	<0.010 B1, J7			<0.010 B1, J7			<0.010 B1
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		0.207	0.325	1.16	0.23	0.463	0.429	1.25	0.161	1.92	0.454
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	0.008	<0.001	<0.001	<0.001	0.011	<0.001	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		17.7	17.3	1010	25.4	42.1	20.3	225	14	44.5	34.4 J3
Cadmium	**6.25 to 6.4**	5.2		<0.003	<0.003	0.138 B2	<0.003	0.162 B2	<0.003	0.174 B2	<0.003	0.073 B2	0.017 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		63500	62700	89700	68600	13400	40300	128000	77300	39000	45900
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		14.7	9.56	20.7	9.25	12.9	11.5	8.57	4.76	3.81	6.49 J3
Copper	**6.25 to 6.64**	59,000		19.9	32.4	7440	32.9	3570	39.8	6240	15.6	366	483 J3
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.037	0.035 J3	0.061	<0.032	0.108	<0.035	<0.033	<0.039	<0.034	0.100 J3
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		22600	28400	57600	19700	79200	24400	21200	10700	34000	40200
Lead	**6.25 to 6.64**	--		<0.005	<0.005	5.99	<0.005	0.81	<0.005	16.8	<0.005	0.513	0.195
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		32500	33300	49200	36900	6080	24200	70800	44800	12200	19400
Manganese	**NRO**	1,924		455	674	1940	461	554	676	778	412	16600	10000
Mercury	**6.25 to 6.64**	0.89		0.01	0.03	0.07	0.02		0.02	0.12	0.02	0.02	0.12
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4						1.2					
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.015	0.013	0.317	0.014	0.21	0.024	0.391	0.006	0.222	0.057
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		2630	2550	1670	3310	1380	3660	1280	2250	1100	1840
Selenium	**6.25 to 6.64**	6.3		0.026 J6	<0.025 J5	0.025 J6	<0.025 J5	0.029 J6	0.031 J6	0.035 J6	<0.025 J5	0.055	0.03

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052
pH - Standard Units													
pH				8.2 I, Q	8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q	8.3 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	<0.003	0.004	0.003	<0.003	<0.003	0.005	<0.003	0.008	<0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		<234	<238	7160	274	779	<244	1500	247	378	614
Strontium	**NRO**	NRO		35.2	25.1	70.5	35.1	42.7	27.3	59.6	28.6	112	73.8 J3
Thallium	**6.25 to 6.64**	2.6		0.041 B2, V	0.058 B2, V	0.032 B2, V	0.048 B2, V	0.030 B2, V	0.014 B2, V	0.015 B2, V	0.044 B2, V	<0.010 B2, J5	0.013 B2, J6, V
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		<0.025 J5	<0.025 J5	69.7 J6	<0.025 J5	34.1 J6	0.137 J6, V	90.7 J6	<0.025 J5	26.4	11.6
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.0098	<0.0044	0.021	<0.0048	0.0099	0.024	0.022	0.0072	0.035	<0.0051
Benzene		0.03		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Bromobenzene		0.86		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Bromochloroethene													
Bromochloromethane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Bromodichloromethane		0.6		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Bromoform		0.8		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Bromomethane		0.2		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
2-Butanone (MEK)		17		<0.0047	<0.0044	0.0045	<0.0048	<0.0066	<0.0049	<0.0045	<0.005	<0.0059	<0.0051
Carbon Disulfide		32		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Carbon tetrachloride		0.07		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Chlorobenzene		1		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Chloroethane		---		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Chloroform		0.6		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Chloromethane		---		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Dibromochloromethane		0.4		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,2-Dibromoethane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Dibromomethane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,1-Dichloroethane		23		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,2-Dichloroethane		0.02		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,1-Dichloroethene				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	0.036
cis-1,2-Dichloroethene		0.4		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.018	0.2 I, L
trans-1,2-Dichloroethene		0.7		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	0.091
1,1-Dichloropropene				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,2-Dichloropropane		0.03		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,3-Dichloropropane		1000		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
2,2-Dichloropropane				<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
cis-1,3-Dichloropropene		0.004		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
trans-1,3-Dichloropropene		0.004		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Ethylbenzene		13		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
2-Hexanone (MBK)		0.16		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.0099	0.0034
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Methylene Chloride		0.02		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Methyl tert-butyl ether		0.32		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
4-Methyl-2pentanone (MIBK)		---		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.0048	<0.002
Stryene		4		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Tetrachloroethene		0.06		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Trichlorofluoromethane		34		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0059	<0.0051
Toluene		12		0.0041	0.004	<0.0018	<0.0019	<0.0026	0.0058	0.0039	<0.002	0.0026	<0.002
1,1,1-Trichloroethane		2		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,1,2-Trichloroethane		0.02		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,2,3-Trichloropropane		0.000017		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,1,1,2-Tetrachloroethane		3.2		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
1,1,2,2-Tetrachloroehtane		3.3		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	<0.0024	<0.002
Trichloroethene		0.06		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.087	0.2 I, L
Vinyl chloride		0.01		<0.0019	<0.0018	<0.0018	<0.0019	<0.0026	<0.002	<0.0018	<0.002	0.019	0.12
Xylenes, Total		150		<0.0019	0.0019	<0.0018	<0.0019	<0.0026	<0.002	0.0018	<0.002	0.0055	0.0042
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.059	<0.058	<0.057	<0.059	0.44	<0.059	0.072	<0.057	0.13	<0.057
Acenaphthylene		85		<0.059	<0.058	<0.057	<0.059	0.084	<0.059	<0.056	<0.057	<0.059	<0.057
Acetophenone				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Anthracene		12000		<0.059	<0.058	0.12	<0.059	0.81	<0.059	0.17 J3	<0.057	0.37	<0.057
Azobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Benzo(a)anthracene		2		<0.059	<0.058	0.42	<0.059	1.6	<0.059	0.44	<0.057	1.9	0.12
Benzo(b)fluoranthene		5		<0.059	<0.058	0.64	<0.059	1.6	<0.059	0.46	<0.057	2.5	0.17

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052
pH - Standard Units													
pH				8.2 I, Q	8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q	8.3 I, Q
Benzo(k)fluoranthene		49		<0.059	<0.058	0.23	<0.059	0.67	<0.059	<0.28	<0.057	0.97	0.064
Benzo(g,h,i)perylene		27000		<0.059	<0.058	0.26	<0.059	0.66	<0.059	<0.28	<0.057	0.82	0.068
Benzo(a)pyrene		8		<0.059	<0.058	0.44	<0.059	1.4	<0.059	0.37	<0.057	1.6	0.11
Bis(2-chloroethyl)ether		0.0004		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Bis(2-chloroethoxy)methane				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Bis(2-ethylhexyl)phthalate		3600		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	0.63	<0.19
4-Bromophenyl phenyl ether				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Butyl benzyl phthalate		930		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Carbazole		0.6		<0.059	<0.058	0.08	<0.059	0.34	<0.059	0.077	<0.057	0.18	<0.057
4-Chloro-3-methylphenol				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
4-Chloroaniline		0.7		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059	<0.057
1-Chloronaphthalene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2-Chloronaphthalene		49		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2-Chlorophenol		4		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
4-Chlorophenyl phenyl ether				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Chrysene		160		<0.059	<0.058	0.48	<0.059	1.5	<0.059	0.53	<0.057	2	0.14
1,2-Dichlorobenzene		17		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
1,3-Dichlorobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
1,4-Dichlorobenzene		2		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,4-Dichlorophenol		1		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Di-n-butyl phthalate		2300		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
Di-n-octyl phthalate		10000		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2	<0.19
1,2-Dinitrobenzene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
1,3-Dinitrobenzene		0.0037		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
1,4-Dinitrobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,6-Dinitrotoluene		0.0007		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,4-Dinitrophenol		0.2		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
2,4-Dinitrotoluene		0.0008		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Dibenz(a,h)anthracene		2		<0.059	<0.058	<0.057	<0.059	0.12	<0.059	<0.28	<0.057	0.16	<0.057
Dibenzofuran		3		<0.059	<0.058	<0.057	<0.059	0.43	<0.059	0.14	<0.057	0.13	<0.057
3,3'-Dichlorobenzidine		0.007		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059	<0.057
2,6-Dichlorophenol				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Diethyl phthalate		470		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Dimethyl phthalate		380		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
p-Dimethylaminoazobenzene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2	<0.19
2,4-Dimethylphenol		9		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
4,6-Dinitro-2-methylphenol				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
Diphenylamine		20		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Fluoranthene		4300		<0.059	<0.058	1.2	<0.059	3.6	<0.059	1.1 J3	<0.057	4	0.26
Fluorene		560		<0.059	<0.058	<0.057	<0.059	0.57	<0.059	0.071 J3	<0.057	0.1	<0.057
Hexachlorobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056 J3	<0.057	<0.059	<0.057
Hexachlorobutadiene		2.2		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Hexachlorocyclopentadiene				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19 J3	<0.19	<0.2	<0.19
Hexachloroethane		0.5		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Hexachloropropene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Indeno(1,2,3-cd)pyrene		14		<0.2	<0.2	0.3	<0.2	0.67	<0.2	<0.96	<0.19	0.86	<0.19
Isodrin				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Isophorone		8		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
Isosafrole				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Mestranol				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.96	<0.19	<0.2	<0.19
Ethyl methanesulfonate				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Methyl methanesulfonate				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2-Methylnaphthalene		1.9		<0.059	<0.058	<0.057	<0.059	0.45	<0.059	0.23	<0.057	0.19	0.06
2-Methylphenol		15		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
4-Methylphenol		3.9		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Naphthalene		12		<0.059	<0.058	<0.057	<0.059	0.74	<0.059	0.26	<0.057	0.14	<0.057
1-Naphthylamine				<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2	<0.23 O2	<0.2 O2	<0.19 J3, O2	<0.19 O2	<0.2 O2	<0.19 O2
2-Naphthylamine				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19 J3	<0.19	<0.2	<0.19
5-Nitroacenaphthene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2-Nitroaniline		0.7		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
3-Nitroaniline				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
4-Nitroaniline		0.14		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Nitrobenzene		0.1		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
4-Nitrobiphenyl				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
2-Nitrophenol				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2 J5	<0.19 J5
4-Nitrophenol		---		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
N-Nitrosodi-n-butylamine				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
N-Nitrosodi-n-propylamine		0.00005		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
N-Nitrosopiperidine				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,2'-Oxybis (1-chloropropane)				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Pentachlorobenzene		31		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Pentachloronitrobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Pentachlorophenol		0.03		<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
Phenacetin				<0.2	<0.2	<0.19	<0.2	<0.23	<0.2	<0.19	<0.19	<0.2	<0.19
Phenanthrene		210		<0.059	<0.058	0.65	<0.059	5.1	<0.059	1.1 J3	<0.057	1.8	0.19
Phenol		100		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2-Picoline				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Pronamide				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Pyrene		4200		<0.059	<0.058	0.88	<0.059	4	<0.059	1	<0.057	3.9	0.22
Pyridine		---		<0.2 O2	<0.2 O2	<0.19 O2	<0.2 O2	<0.23 O2	<0.2 O2	<0.19 O2	<0.19 O2	<0.2	<0.19
Safrole				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
1,2,4,5-Tetrachlorobenzene				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,3,4,6-Tetrachlorophenol				<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
1,2,4-Trichlorobenzene		5		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,4,5-Trichlorophenol		270		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
2,4,6-Trichlorophenol		0.2		<0.059	<0.058	<0.057	<0.059	<0.067	<0.059	<0.056	<0.057	<0.059	<0.057
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
alpha-BHC		0.0005		<0.0022	<0.0023	<0.0022	<0.0021	<0.0026	<0.0024	<0.0022	<0.0023	<0.0024	<0.0024
beta-BHC				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
delta-BHC				<0.0055	<0.0057	0.0079	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
gamma-BHC		0.009		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
alpha-Chlordane		10		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-06 SB-35 (12-14') Soil 8/21/2023 1:35 PM 83.9	23H1123-02 SB-36 (1-3') Soil 8/21/2023 1:20 PM 85.6305	23H1123-04 SB-36 (4-6') Soil 8/21/2023 1:30 PM 86.7387	23H1123-05 SB-36 (9-11') Soil 8/21/2023 1:40 PM 83.68369	23H1123-07 SB-37 (5-6') Soil 8/21/2023 2:02 PM 74.63271	23H1123-09 SB-37 (9-11') Soil 8/21/2023 2:13 PM 81.9802	23H1123-08 SB-38 (2.5-4.5') Soil 8/21/2023 2:15 PM 87.96478	23H1123-10 SB-38 (10-12') Soil 8/21/2023 2:25 PM 79.86179	23H1144-01 SB-39 (5-7) Soil 8/21/2023 3:45 PM 83.94089	23H1144-02 SB-39 (12-14) Soil 8/21/2023 4:05 PM 82.37052
pH - Standard Units													
pH				8.2 I, Q	8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q	8.3 I, Q
gamma-Chlordane		10		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Dieldrin		0.004		<0.0022	<0.0023	0.003	<0.0021	<0.0026	<0.0024	0.008	<0.0023	<0.0024	<0.0024
p,p'-DDT		32		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
p,p'-DDD		16		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
p,p'-DDE		54		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	0.0064	<0.0061
Endosulfan I		18		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Endosulfan II				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	0.0096	<0.0057	<0.006	<0.0061
Endosulfan sulfate				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Endrin		1		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Endrin aldehyde				<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Endrin ketone				<0.0055	<0.0057	<0.0055	<0.0054	0.018	<0.0059	0.0071	<0.0057	0.012	<0.0061
Heptachlor		23		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Heptachlor epoxide		0.7		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Methoxychlor		160		<0.0055	<0.0057	<0.0055	<0.0054	<0.0066	<0.0059	<0.0055	<0.0057	<0.006	<0.0061
Toxaphene		31		<0.11	<0.11	<0.11	<0.11	<0.13	<0.12	<0.11	<0.11	<0.12	<0.12
Aroclor 1016				<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012
Aroclor 1221				<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012
Aroclor 1232				<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012
Aroclor 1242				<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	<0.012	<0.012
Aroclor 1248				<0.011	<0.011	<0.011	<0.011	<0.013	<0.012	<0.011	<0.011	0.12	<0.012
Aroclor 1254				<0.011	<0.011	0.23	<0.011	<0.013	<0.012	1.2	<0.011	0.18 J6	<0.012 J5
Aroclor 1260				<0.011	<0.011	0.16	<0.011	<0.013	<0.012	<0.011	<0.011	0.096	<0.012
PCB, Total										1.2			
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.2 I, Q	8.2 I, Q	8.4 I, Q	8.5 I, Q	7.6 I, Q	7.8 I, Q	8.5 I, Q	7.8 I, Q	8.1 I, Q	8.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643	23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975
pH - Standard Units													
pH				8.4 I, Q	8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q	8.5 I, Q	8.8 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		10400	12200	6670	16500	10200	16400		6180	9920	10700
Antimony	all	5		<0.010	<0.010	0.012	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31				<0.010 B1, J7			<0.010 B1, J7		<0.010 B1, I, J3		
	8.25 to 8.74	32		<0.010 J7, B1	<0.010 B1, J7		<0.010 B1, J7	<0.010 B1, J7		<0.010 B1, J7		<0.010 B1	
	8.75 to 9.0	33											<0.010 B1
	9.0+	--											
Barium	6.25 to 6.64	1500		0.539	0.523	0.519	0.444	0.626	0.535	0.445	0.206	0.48	0.558
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		17.8	19	354	22.6	16.9	87.2		13	19.2	50
Cadmium	**6.25 to 6.4**	5.2		<0.003	<0.003	0.019 B2	<0.003	<0.003	0.032 B2	0.003 B2	<0.005	<0.005	<0.005 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		85500	62100	26800	17400	69200	36100		84900	61600	71400
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		8.4	9.59	12	14	8.46	17.4		6.3	6.14	7.77
Copper	**6.25 to 6.64**	59,000		23.8	28.8	4400	29.8	24.9	2690		17.5	140	312
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.034	0.069	0.074	<0.039	<0.033	0.043		<0.033	0.088	0.117
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		18400	20600	36000	<1330	17600	50200		14600	14100	18000
Lead	**6.25 to 6.64**	--		<0.005	<0.005	0.306	<0.005	<0.005	0.269	<0.005	<0.005	<0.005	0.007
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		42900	30100	12600	14100	34400	16900		44300	22500	30300
Manganese	**NRO**	1,924		580	472	783	922	525	740		472	370	494
Mercury	**6.25 to 6.64**	0.89		0.03	0.03	0.04	0.02	0.03	0.09		0.01	0.04	0.08
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.007	0.007	0.072	0.02	0.009	0.083	0.026	0.01	0.005	0.007
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		2450	3130	921	4060	2330	2180		2060	1700	2270
Selenium	**6.25 to 6.64**	6.3		0.031 J6	0.034 J6	<0.025 J6	<0.025 J6	<0.025 J5	<0.025 J6	0.027 J5	<0.025	<0.025	<0.025

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643	23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975
pH - Standard Units													
pH				8.4 I, Q	8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q	8.5 I, Q	8.8 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		<227	<233	2680	<265	<219	2270		<247	516	790
Strontium	**NRO**	NRO		37.9	35.4	42.7	22.7	37.1	67.2		33.7	34.8	43.1
Thallium	**6.25 to 6.64**	2.6		0.056 V, B2	0.052 B2, V	0.037 B2, V	0.028 B2, V	0.056 B2, V	0.036 B2, V	0.041 B2, V	0.034 B2, J6, V	0.034 B2, J6, V	0.039 B2, J6, V
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		<0.025 J5	0.026 J6, V	15.2 J6	0.060 J6, V	<0.025 J5	10.9 J6	0.063 J6, V	<0.025	0.133	0.285
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0049	<0.0046	<0.006	<0.0054	<0.0048	0.0053		<0.0047	<0.0045	<0.0046
Benzene		0.03		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Bromobenzene		0.86		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Bromochloroethene													
Bromochloromethane				<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Bromodichloromethane		0.6		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Bromoform		0.8		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Bromomethane		0.2		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
2-Butanone (MEK)		17		<0.0049	<0.0046	<0.006	<0.0054	<0.0048	<0.0048		<0.0047	<0.0045	<0.0046
Carbon Disulfide		32		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Carbon tetrachloride		0.07		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Chlorobenzene		1		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Chloroethane		---		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Chloroform		0.6		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Chloromethane		---		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Dibromochloromethane		0.4		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,2-Dibromoethane				<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Dibromomethane				<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,1-Dichloroethane		23		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,2-Dichloroethane		0.02		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,1-Dichloroethene				<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
cis-1,2-Dichloroethene		0.4		<0.002	<0.0018	<0.0024	0.0066	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
trans-1,2-Dichloroethene		0.7		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,1-Dichloropropene				<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,2-Dichloropropane		0.03		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,3-Dichloropropane		1000		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
2,2-Dichloropropane				<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
cis-1,3-Dichloropropene		0.004		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
trans-1,3-Dichloropropene		0.004		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Ethylbenzene		13		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
2-Hexanone (MBK)		0.16		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Methylene Chloride		0.02		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Methyl tert-butyl ether		0.32		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Stryene		4		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Tetrachloroethene		0.06		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Trichlorofluoromethane		34		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0045	<0.0046
Toluene		12		<0.002	<0.0018	0.0033	<0.0022	0.0035	0.0049		0.0026	0.003	<0.0018
1,1,1-Trichloroethane		2		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,1,2-Trichloroethane		0.02		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,2,3-Trichloropropane		0.000017		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Trichloroethene		0.06		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	0.0031	0.0023
Vinyl chloride		0.01		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	<0.0019		<0.0019	<0.0018	<0.0018
Xylenes, Total		150		<0.002	<0.0018	<0.0024	<0.0022	<0.0019	0.0019		<0.0019	0.0036	0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	0.14	<0.051 J1
Acenaphthylene		85		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
Acetophenone				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Anthracene		12000		<0.056	<0.055	0.55	<0.062	<0.055	0.13		<0.057	0.36	0.093
Azobenzene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Benzo(a)anthracene		2		0.18	0.16	1.3	<0.062	0.062	0.47		<0.057	0.95	0.38
Benzo(b)fluoranthene		5		0.25	0.23	1.3	<0.062	0.089	0.66		<0.28	1.1	0.48

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643	23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975
pH - Standard Units													
pH				8.4 I, Q	8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q	8.5 I, Q	8.8 I, Q
Benzo(k)fluoranthene		49		0.11	0.097	0.38	<0.062	<0.055	0.27		<0.28	0.45	0.22
Benzo(g,h,i)perylene		27000		0.14	0.11	0.51	<0.062	<0.055	0.27		<0.28	0.44	0.23
Benzo(a)pyrene		8		0.2	0.17	0.84	<0.062	0.067	0.44		<0.28	0.87	0.38
Bis(2-chloroethyl)ether		0.0004		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Bis(2-chloroethoxy)methane				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Bis(2-ethylhexyl)phthalate		3600		<0.19	<0.19	<0.19	<0.21	<0.19	0.59		<0.19	<0.18	<0.17
4-Bromophenyl phenyl ether				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Butyl benzyl phthalate		930		<0.056	<0.055	<0.057	<0.062	<0.055	0.061		<0.057	<0.052	<0.051
Carbazole		0.6		<0.056	<0.055	0.26	<0.062	<0.055	0.094		<0.057	0.096	0.064
4-Chloro-3-methylphenol				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
4-Chloroaniline		0.7		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051
1-Chloronaphthalene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
2-Chloronaphthalene		49		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
2-Chlorophenol		4		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
4-Chlorophenyl phenyl ether				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
Chrysene		160		0.21	0.18	1.6	<0.062	0.072	0.59		<0.057	0.97	0.41
1,2-Dichlorobenzene		17		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
1,3-Dichlorobenzene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
1,4-Dichlorobenzene		2		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
2,4-Dichlorophenol		1		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Di-n-butyl phthalate		2300		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
Di-n-octyl phthalate		10000		<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	<0.18	<0.17
1,2-Dinitrobenzene				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17 J1
1,3-Dinitrobenzene		0.0037		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17 J1
1,4-Dinitrobenzene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
2,6-Dinitrotoluene		0.0007		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
2,4-Dinitrophenol		0.2		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19	<0.18	<0.17 J1
2,4-Dinitrotoluene		0.0008		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
Dibenz(a,h)anthracene		2		<0.056	<0.055	<0.29	<0.062	<0.055	<0.25		<0.28	0.08	<0.051
Dibenzofuran		3		<0.056	<0.055	0.91	<0.062	<0.055	0.078		<0.057	0.089	<0.051 J1
3,3'-Dichlorobenzidine		0.007		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051
2,6-Dichlorophenol				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Diethyl phthalate		470		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
Dimethyl phthalate		380		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
p-Dimethylaminoazobenzene				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	<0.18	<0.17
2,4-Dimethylphenol		9		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
4,6-Dinitro-2-methylphenol				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
Diphenylamine		20		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Fluoranthene		4300		0.35	0.33	1.7	<0.062	0.12	1.3 J3		<0.057	2.4	0.95
Fluorene		560		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	0.15	<0.051 J1
Hexachlorobenzene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Hexachlorobutadiene		2.2		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Hexachlorocyclopentadiene				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19	<0.18	<0.17 J1
Hexachloroethane		0.5		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Hexachloropropene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Indeno(1,2,3-cd)pyrene		14		<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	0.47	0.25
Isodrin				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Isophorone		8		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
Isosafrole				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Mestranol				<0.19	<0.19	<0.97	<0.21	<0.19	<0.85		<0.97	<0.18	<0.17
Ethyl methanesulfonate				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Methyl methanesulfonate				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
2-Methylnaphthalene		1.9		<0.056	<0.055	2.5	<0.062	<0.055	0.13		<0.057	<0.052	<0.051
2-Methylphenol		15		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
4-Methylphenol		3.9		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Naphthalene		12		<0.056	<0.055	1.2	<0.062	<0.055	0.092		<0.057	<0.052	<0.051
1-Naphthylamine				<0.19 O2	<0.19 O2	<0.19 O2	<0.21 O2	<0.19 O2	<0.17 J3, O2		<0.19 O2	<0.18 O2	<0.17 J1, O2
2-Naphthylamine				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17 J3		<0.19	<0.18	<0.17 J1
5-Nitroacenaphthene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
2-Nitroaniline		0.7		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17 J1
3-Nitroaniline				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051 J1
4-Nitroaniline		0.14		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05 J3		<0.057	<0.052	<0.051 J1
Nitrobenzene		0.1		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
4-Nitrobiphenyl				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
2-Nitrophenol				<0.19 J5	<0.19 J5	<0.19 J5	<0.21 J5	<0.19 J5	<0.17 J5		<0.19 J5	<0.18 J5	<0.17 J5
4-Nitrophenol		---		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
N-Nitrosodi-n-butylamine				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
N-Nitrosodi-n-propylamine		0.00005		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
N-Nitrosopiperidine				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
2,2'-Oxybis (1-chloropropane)				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Pentachlorobenzene		31		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
Pentachloronitrobenzene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Pentachlorophenol		0.03		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
Phenacetin				<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
Phenanthrene		210		0.13	0.16	4.7	<0.062	<0.055	0.67 J3		<0.057	1.8	0.63
Phenol		100		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
2-Picoline				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Pronamide				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
Pyrene		4200		0.35	0.31	2.6	<0.062	0.12	1.3 J3		<0.057	1.9	0.83
Pyridine		---		<0.19	<0.19	<0.19	<0.21	<0.19	<0.17		<0.19	<0.18	<0.17
Safrole				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
1,2,4,5-Tetrachlorobenzene				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
2,3,4,6-Tetrachlorophenol				<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
1,2,4-Trichlorobenzene		5		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051
2,4,5-Trichlorophenol		270		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
2,4,6-Trichlorophenol		0.2		<0.056	<0.055	<0.057	<0.062	<0.055	<0.05		<0.057	<0.052	<0.051 J1
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
alpha-BHC		0.0005		<0.0023	<0.0023	<0.0024	<0.0026	<0.0023	<0.0021		<0.0024	<0.0022	<0.0022
beta-BHC				<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
delta-BHC				<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
gamma-BHC		0.009		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
alpha-Chlordane		10		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1123-14 SB-40 (1-3') Soil 8/21/2023 2:50 PM 88.03922	23H1123-15 SB-40 (1-3') Soil 8/21/2023 2:50 PM 87.58759	23H1123-17 SB-40 (3.5-5.5') Soil 8/21/2023 3:10 PM 82.75175	23H1123-18 SB-40 (10-12') MS/MSD Soil 8/21/2023 3:15 PM 76.99203	23H1123-13 SB-41 (1-2') Soil 8/21/2023 2:48 PM 87.79527	23H1123-16 SB-41 (3-5') Soil 8/21/2023 2:55 PM 94.4664	23H1123-19 SB-41 (8-9) Soil 8/21/2023 3:00 PM	23H1123-20 SB-41 (11-12') Soil 8/21/2023 3:20 PM 82.643	23H1144-05 SB-42 (0-2) Soil 8/21/2023 4:50 PM 88.60511	23H1144-06 SB-42 (0-2) D Soil 8/21/2023 4:50 PM 90.04975
pH - Standard Units													
pH				8.4 I, Q	8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q	8.5 I, Q	8.8 I, Q
gamma-Chlordane		10		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
Dieldrin		0.004		<0.0023	<0.0023	<0.0024	<0.0026	<0.0023	<0.0021 J3		<0.0024	<0.0022	<0.0022
p,p'-DDT		32		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	0.0063
p,p'-DDD		16		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
p,p'-DDE		54		<0.0057	<0.0057	0.014	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
Endosulfan I		18		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
Endosulfan II				<0.0057	<0.0057	<0.006	<0.0065	<0.0057	0.0096 J3		<0.006	<0.0056	<0.0055
Endosulfan sulfate				<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
Endrin		1		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
Endrin aldehyde				<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
Endrin ketone				<0.0057	<0.0057	0.033	<0.0065	<0.0057	0.0069 J3		<0.006	<0.0056	0.013
Heptachlor		23		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
Heptachlor epoxide		0.7		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053		<0.006	<0.0056	<0.0055
Methoxychlor		160		<0.0057	<0.0057	<0.006	<0.0065	<0.0057	<0.0053 J3		<0.006	<0.0056	<0.0055
Toxaphene		31		<0.11	<0.11	<0.12	<0.13	<0.11	<0.11		<0.12	<0.11	<0.11
Aroclor 1016				<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011
Aroclor 1221				<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011
Aroclor 1232				<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011
Aroclor 1242				<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011
Aroclor 1248				<0.011	<0.011	<0.012	<0.013	<0.011	<0.011		<0.012	<0.011	<0.011
Aroclor 1254				<0.011 J5	<0.011 J5	<0.012 J3, J5	<0.013 J5	<0.011 J5	0.84 J6		<0.012 J5	0.072 J6	0.16 J6
Aroclor 1260				<0.011	<0.011	<0.012	<0.013	<0.011	0.52		<0.012	0.063	<0.011
PCB, Total									1.36				
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.4 I, Q	8.3 I, Q	8.0 I, Q	8.4 I, Q	8.4 I, Q	8.1 I, Q	8.3 I, Q	8.2 I, Q	8.5 I, Q	8.8 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L)	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-07 SB-42 (10-12) Soil 8/21/2023 5:10 PM 82.35867	23H1123-21 SB-43 (4-5') Soil 8/21/2023 3:48 PM 88.95583	23H1123-22 SB-43 (11-12') Soil 8/21/2023 3:52 PM 81.12094	23H1144-10 SB-44 (4-6) Soil 8/22/2023 9:20 AM 80.65476	23H1144-12 SB-44 (10-12) Soil 8/22/2023 9:30 AM 80.6	23H1144-03 SB-45 (2-3) Soil 8/21/2023 4:33 PM 88.94422	23H1144-04 SB-45 (10-11) Soil 8/21/2023 4:55 PM 82.74162	23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999
		Class I											
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q	7.7 I, Q	8.0 I, Q	8.2 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		8400	10300	14200	6820	12400	19300	7120	8130	11700	9240
Antimony	all	5		<0.010	<0.010	<0.010	0.077	<0.010	0.075	<0.010	0.023	<0.010	<0.010
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30									<0.010 B1		
	7.75 to 8.24	31						<0.010 B1				<0.010 B1	<0.010 B1
	8.25 to 8.74	32		<0.010 B1	<0.010 B1, J7	<0.010 B1	<0.010 B1		<0.010 B1	<0.010 B1			
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		0.15	0.494	0.809	1.09	0.286	2.27	0.233	0.802	0.169	0.319
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	<0.001	0.007	<0.001	0.017	<0.001	0.003	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		13.1	18.5	23.1	132	21.5	999	20.3	42	19.5	9.45
Cadmium	**6.25 to 6.4**	5.2		<0.005	0.004 B2	<0.005 B2	0.143 B2	<0.005	0.321 B2	<0.005	0.067 B2	<0.005	<0.005
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		58600	91500	73000	30400	49100	29600	74100	6470	22700	24600
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		6.84	9.66	8.97	12	6.08	26.3	7.82	32.8	7.08	8.87
Copper	**6.25 to 6.64**	59,000		19.5	75.4	22.5	1730	11.6	26800	34.3	509	15.6	69
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.039	0.043	0.041	<0.038	<0.036	0.046 J3	<0.033	0.234	<0.033	<0.034
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		17900	17200	27900	24100	12300	80400	16900	28800	16000	15200
Lead	**6.25 to 6.64**	--		<0.005	<0.005 V	<0.005	6.07	<0.005	17.8	<0.005	1.27	<0.005	<0.005
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		35000	47400	33100	13600	30900	12700	36200	2180	16100	13000
Manganese	**NRO**	1,924		399	461	511	439	403	2490	393	369	204	549
Mercury	**6.25 to 6.64**	0.89		0.01	0.02	0.02	0.26	0.02	0.43	0.01	0.14	0.01	0.03
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.012	0.077	0.022	0.341	0.009	0.458	0.016	0.271	0.009	0.006
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		2360	3010	4000	980	3410	1650	2060	505	3090	1710
Selenium	**6.25 to 6.64**	6.3		<0.025	<0.025 I, J3, J5	0.032	<0.025	<0.025	0.035	0.029	<0.025	<0.025	<0.025

IEPA TACO TABLE

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pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q	7.7 I, Q	8.0 I, Q	8.2 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	0.003	<0.003	<0.003	<0.003	0.004	<0.003	<0.003	<0.003	<0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		<243	393	447	1970	261	6690	250	582	<240	<222
Strontium	**NRO**	NRO		27.3	41.7	55.2	39.9	26	112	39.5	45.6	16.6	15.7
Thallium	**6.25 to 6.64**	2.6		0.035 B2, J6, V	<0.010 B1, I, J3	<0.010 B2, V	<0.010 B2, J5	0.034 B2, J6, V	<0.010 B2, J5	0.035 B2, J6, V	0.012 B2, J6, V	0.030 B2, J6, V	0.042 B2, J6, V
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		<0.025	0.219	<0.025	81.2	<0.025	182	<0.025	36.5	<0.025	<0.025
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.0055	<0.0048	0.011	0.097	0.0087	<0.0051	<0.0051	<0.0096	<0.0052	<0.0046
Benzene		0.03		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Bromobenzene		0.86		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Bromochloroethene													
Bromochloromethane				<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Bromodichloromethane		0.6		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Bromoform		0.8		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Bromomethane		0.2		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
2-Butanone (MEK)		17		<0.0044	<0.0048	<0.0049	0.018	<0.0047	<0.0051	<0.0051	<0.0096	<0.0052	<0.0046
Carbon Disulfide		32		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Carbon tetrachloride		0.07		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Chlorobenzene		1		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Chloroethane		---		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Chloroform		0.6		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Chloromethane		---		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Dibromochloromethane		0.4		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,2-Dibromoethane				<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Dibromomethane				<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1-Dichloroethane		23		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,2-Dichloroethane		0.02		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1-Dichloroethene				<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
cis-1,2-Dichloroethene		0.4		<0.0017	<0.0019	<0.002	<0.0028	0.0041	0.0051	0.014	<0.0038	0.0026	<0.0018
trans-1,2-Dichloroethene		0.7		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1-Dichloropropene				<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,2-Dichloropropane		0.03		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,3-Dichloropropane		1000		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
2,2-Dichloropropane				<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
cis-1,3-Dichloropropene		0.004		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
trans-1,3-Dichloropropene		0.004		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Ethylbenzene		13		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
2-Hexanone (MBK)		0.16		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Methylene Chloride		0.02		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Methyl tert-butyl ether		0.32		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Stryene		4		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Tetrachloroethene		0.06		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Trichlorofluoromethane		34		<0.0044	<0.0019	<0.002	<0.007	<0.0047	<0.0051	<0.0051	<0.0096	<0.0052	<0.0046
Toluene		12		<0.0017	0.0037	0.0076	0.0052	0.0055	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1,1-Trichloroethane		2		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1,2-Trichloroethane		0.02		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,2,3-Trichloropropane		0.000017		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.0017	<0.0019	<0.002	<0.0028	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.0017	<0.0019	<0.002	0.0029	<0.0019	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Trichloroethene		0.06		0.0017	<0.0019	<0.002	<0.0028	<0.0019	0.022	0.0064	<0.0038	<0.0021	<0.0018
Vinyl chloride		0.01		<0.0017	<0.0019	0.015	<0.0028	0.031	<0.0021	<0.002	<0.0038	<0.0021	<0.0018
Xylenes, Total		150		0.0022	<0.0019	0.002	0.0057	0.0039	0.0041	0.0026	0.0049	0.0026	0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Acenaphthylene		85		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Acetophenone				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Anthracene		12000		<0.061	<0.053	<0.06	0.08	<0.062	0.064	<0.06	0.37	<0.3	<0.056
Azobenzene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Benzo(a)anthracene		2		<0.061	0.098	<0.06	0.21	<0.062	0.22	<0.06	1.7	<0.06	0.12
Benzo(b)fluoranthene		5		<0.061	<0.27	<0.06	0.31	<0.31	0.31	<0.06	1.7	<0.3	<0.28

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-07 SB-42 (10-12) Soil 8/21/2023 5:10 PM 82.35867	23H1123-21 SB-43 (4-5') Soil 8/21/2023 3:48 PM 88.95583	23H1123-22 SB-43 (11-12') Soil 8/21/2023 3:52 PM 81.12094	23H1144-10 SB-44 (4-6) Soil 8/22/2023 9:20 AM 80.65476	23H1144-12 SB-44 (10-12) Soil 8/22/2023 9:30 AM 80.6	23H1144-03 SB-45 (2-3) Soil 8/21/2023 4:33 PM 88.94422	23H1144-04 SB-45 (10-11) Soil 8/21/2023 4:55 PM 82.74162	23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q	7.7 I, Q	8.0 I, Q	8.2 I, Q
Benzo(k)fluoranthene		49		<0.061	<0.27	<0.06	<0.31	<0.31	0.11	<0.06	0.46	<0.3	<0.28
Benzo(g,h,i)perylene		27000		<0.061	<0.27	<0.06	<0.31	<0.31	0.13	<0.06	1.2	<0.3	<0.28
Benzo(a)pyrene		8		<0.061	<0.27	<0.06	<0.31	<0.31	0.19	<0.06	1.9	<0.3	<0.28
Bis(2-chloroethyl)ether		0.0004		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Bis(2-chloroethoxy)methane				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Bis(2-ethylhexyl)phthalate		3600		<0.21	<0.18	<0.2	0.54	<0.21	<0.19	<0.2	<0.99	<0.2	<0.19
4-Bromophenyl phenyl ether				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Butyl benzyl phthalate		930		<0.061	<0.053	<0.06	0.071	<0.062	<0.056	<0.06	<0.29	<0.06	<0.056
Carbazole		0.6		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	0.19	<0.3	<0.056
4-Chloro-3-methylphenol				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
4-Chloroaniline		0.7		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
1-Chloronaphthalene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2-Chloronaphthalene		49		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2-Chlorophenol		4		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
4-Chlorophenyl phenyl ether				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Chrysene		160		<0.061	0.1	<0.06	0.3	<0.062	0.3	<0.06	2.7	<0.06	0.15
1,2-Dichlorobenzene		17		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
1,3-Dichlorobenzene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
1,4-Dichlorobenzene		2		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,4-Dichlorophenol		1		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Di-n-butyl phthalate		2300		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19
Di-n-octyl phthalate		10000		<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94
1,2-Dinitrobenzene				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
1,3-Dinitrobenzene		0.0037		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
1,4-Dinitrobenzene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,6-Dinitrotoluene		0.0007		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,4-Dinitrophenol		0.2		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
2,4-Dinitrotoluene		0.0008		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Dibenz(a,h)anthracene		2		<0.061	<0.27	<0.06	<0.31	<0.31	<0.056	<0.06	0.57	<0.3	<0.28
Dibenzofuran		3		<0.061	<0.053	<0.06	0.1	<0.062	0.065	<0.06	0.36	<0.06	<0.056
3,3'-Dichlorobenzidine		0.007		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.29	<0.06	<0.056
2,6-Dichlorophenol				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Diethyl phthalate		470		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Dimethyl phthalate		380		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
p-Dimethylaminoazobenzene				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.99	<0.2	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94
2,4-Dimethylphenol		9		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
4,6-Dinitro-2-methylphenol				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19
Diphenylamine		20		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Fluoranthene		4300		<0.061	0.19	<0.06	0.41	<0.062	0.45	<0.06	1.3	<0.3	0.28
Fluorene		560		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	0.12	<0.06	<0.056
Hexachlorobenzene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Hexachlorobutadiene		2.2		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Hexachlorocyclopentadiene				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
Hexachloroethane		0.5		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Hexachloropropene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Indeno(1,2,3-cd)pyrene		14		<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94
Isodrin				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Isophorone		8		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
Isosafrole				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Mestranol				<0.21	<0.91	<0.2	<1.1	<1	<0.19	<0.2	<0.99	<1	<0.94
Ethyl methanesulfonate				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Methyl methanesulfonate				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2-Methylnaphthalene		1.9		<0.061	<0.053	<0.06	0.34	<0.062	0.14	<0.06	1.1	<0.06	<0.056
2-Methylphenol		15		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
4-Methylphenol		3.9		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Naphthalene		12		<0.061	<0.053	<0.06	0.24	<0.062	0.096	<0.06	0.6	<0.06	<0.056
1-Naphthylamine				<0.21 O2	<0.18 O2	<0.2 O2	<0.21 O2	<0.21 O2	<0.19 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.19 O2
2-Naphthylamine				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
5-Nitroacenaphthene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
2-Nitroaniline		0.7		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<0.2	<0.19
3-Nitroaniline				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
4-Nitroaniline		0.14		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Nitrobenzene		0.1		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
4-Nitrobiphenyl				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19
2-Nitrophenol				<0.21 J5	<0.18 J5	<0.2 J5	<0.21 J5	<0.21 J5	<0.19 J5	<0.2 J5	<0.2	<0.2	<0.19 J5
4-Nitrophenol		---		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
N-Nitrosodi-n-butylamine				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
N-Nitrosodi-n-propylamine		0.00005		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
N-Nitrosopiperidine				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,2'-Oxybis (1-chloropropane)				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Pentachlorobenzene		31		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Pentachloronitrobenzene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Pentachlorophenol		0.03		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19
Phenacetin				<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2	<1	<0.19
Phenanthrene		210		<0.061	0.12	<0.06	0.52	<0.062	0.51	<0.06	3.4	<0.3	0.11
Phenol		100		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2-Picoline				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Pronamide				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.3	<0.056
Pyrene		4200		<0.061	0.19	<0.06	0.51	<0.062	0.48	<0.06	1.8	<0.06	0.23
Pyridine		---		<0.21	<0.18	<0.2	<0.21	<0.21	<0.19	<0.2	<0.2 O2	<0.2 O2	<0.19
Safrole				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
1,2,4,5-Tetrachlorobenzene				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,3,4,6-Tetrachlorophenol				<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
1,2,4-Trichlorobenzene		5		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,4,5-Trichlorophenol		270		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
2,4,6-Trichlorophenol		0.2		<0.061	<0.053	<0.06	<0.062	<0.062	<0.056	<0.06	<0.058	<0.06	<0.056
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
alpha-BHC		0.0005		<0.0024	<0.0022	<0.0025	0.0028	<0.0025	<0.0022	<0.0024	<0.0023	<0.0024	<0.0022
beta-BHC				<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
delta-BHC				<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
gamma-BHC		0.009		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
alpha-Chlordane		10		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-07 SB-42 (10-12) Soil 8/21/2023 5:10 PM 82.35867	23H1123-21 SB-43 (4-5') Soil 8/21/2023 3:48 PM 88.95583	23H1123-22 SB-43 (11-12') Soil 8/21/2023 3:52 PM 81.12094	23H1144-10 SB-44 (4-6) Soil 8/22/2023 9:20 AM 80.65476	23H1144-12 SB-44 (10-12) Soil 8/22/2023 9:30 AM 80.6	23H1144-03 SB-45 (2-3) Soil 8/21/2023 4:33 PM 88.94422	23H1144-04 SB-45 (10-11) Soil 8/21/2023 4:55 PM 82.74162	23H1144-14 SB-46 (4-6) Soil 8/22/2023 9:55 AM 80.63873	23H1144-15 SB-46 (9-11) Soil 8/22/2023 10:05 AM 80.2	23H1144-08 SB-47 (1-2) Soil 8/22/2023 9:14 AM 90.00999
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q	7.7 I, Q	8.0 I, Q	8.2 I, Q
gamma-Chlordane		10		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Dieldrin		0.004		<0.0024	<0.0022	<0.0025	0.008	<0.0025	0.013	<0.0024	<0.0023	<0.0024	<0.0022
p,p'-DDT		32		<0.006	<0.0056	<0.0062	<0.12	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	0.0098
p,p'-DDD		16		<0.006	<0.0056	<0.0062	0.27	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
p,p'-DDE		54		<0.006	<0.0056	<0.0062	0.21	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	0.057
Endosulfan I		18		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Endosulfan II				<0.006	<0.0056	<0.0062	<0.0062	<0.0062	0.018	<0.006	<0.0058	<0.0061	<0.0055
Endosulfan sulfate				<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Endrin		1		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Endrin aldehyde				<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Endrin ketone				<0.006	<0.0056	<0.0062	0.017	<0.0062	0.0092	<0.006	0.019	<0.0061	<0.0055
Heptachlor		23		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Heptachlor epoxide		0.7		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Methoxychlor		160		<0.006	<0.0056	<0.0062	<0.0062	<0.0062	<0.0056	<0.006	<0.0058	<0.0061	<0.0055
Toxaphene		31		<0.12	<0.11	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<0.11
Aroclor 1016				<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011
Aroclor 1221				<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011
Aroclor 1232				<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011
Aroclor 1242				<0.012	<0.011	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011
Aroclor 1248				<0.012	<0.011	<0.012	0.51	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011
Aroclor 1254				<0.012 J5	<0.011 J5	<0.012 J5	0.65 J6	<0.012 J5	1.8 J6	<0.012 J5	<0.012 J3	<0.012	<0.011 J5
Aroclor 1260				<0.012	<0.011	<0.012	0.65	<0.012	<0.011	<0.012	<0.012	<0.012	<0.011
PCB, Total							1.81		1.8				
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.5 I, Q	8.7 I, Q	8.1 I, Q	8.4 I, Q	8.4 I, Q	7.7 I, Q	8.0 I, Q	8.2 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q	8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		5970	13800	12500	3670	9380	7170	10500	8720	5990	9600
Antimony	all	5		0.085	<0.010	<0.010	0.071	<0.010	<0.010	<0.010	0.058	<0.010	0.019
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31					<0.010 B1		<0.010 B1		<0.010 B1		<0.010 B1
	8.25 to 8.74	32		<0.010 B1	<0.010 B1	<0.010 B1		<0.010 B1		<0.010 B1, I		<0.010 B1	
	8.75 to 9.0	33											
	9.0+	--											
Barium	6.25 to 6.64	1500		1.09	0.487	0.433	1.4	0.706	0.587	0.671	1.73	0.23	1.7
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		300	19.1	28.8	13.8	19.3	87.2	21.4	507	18.9	43.3 J3
Cadmium	**6.25 to 6.4**	5.2		0.090 B2	<0.005 B2	<0.005	0.633	<0.005	0.030 B2	<0.005	0.495	0.014	0.011
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		87300	34100	65700	1860	100000	94300	79200	11900	79900	4660
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		7.12	8.93	10.4	5.22	8.4	7.35	8.92	11.7	7.75	17.8 J3
Copper	**6.25 to 6.64**	59,000		1140	26.1	55.1	24200	46	1880	19.9	53300	35.5	943
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.066	<0.033	<0.036	0.042	<0.032	1.02	<0.031	0.045 J3	<0.034 J3	0.111
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		27700	20900	21600	17900	15100	19100	16500	38800	12800	51100
Lead	**6.25 to 6.64**	--		3.66	0.009	<0.005	51.3	0.006	0.125	<0.005	26.2	0.007	
	7.25 to 7.74	107											
	7.75 to 8.24	107											143
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		46800	23100	32200	962	50600	49000	39100	4740	42300	1310
Manganese	**NRO**	1,924		541	325	720	158	578	535	486	1210	553	151
Mercury	**6.25 to 6.64**	0.89		0.4	0.02	0.08		0.01	0.04	0.01		0.02	0.02 J3
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8					1.31				1.07		
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.093	0.016	0.011	0.089	0.058	0.072	0.047	0.382	0.01	0.023
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		981	3730	2650	443	3430	1290	3690	766	2330	1360
Selenium	**6.25 to 6.64**	6.3		0.026	<0.025	<0.025 J5	<0.025 J5	<0.025 J5	<0.025	<0.025 J3, J5	0.025 J6	<0.025 J5	<0.025 J5

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q	8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	<0.003	0.004	<0.003	0.006	<0.003	0.005	<0.003	0.006	<0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		1670	<242	316	<256	244	674	<232	2550	274	632
Strontium	**NRO**	NRO		40.9	27.3	36.2	25.9	65.4	41.8	58.8	35.8	28.8	35
Thallium	**6.25 to 6.64**	2.6		0.016 B2, J6, V	<0.010 B2, J5	<0.025 B1	<0.025 B1	<0.025 B1	0.026 B2, J6, V	<0.025 B1, I	<0.025 B1	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		44.6	0.619	0.074	93.1	0.062	7.2	<0.025	137	0.121	6.65
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.005	0.011	<0.0047	<0.0053	0.01	<0.0043	<0.0042	<0.005	<0.0044	<0.0054
Benzene		0.03		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Bromobenzene		0.86		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Bromochloroethene													
Bromochloromethane				<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Bromodichloromethane		0.6		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Bromoform		0.8		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Bromomethane		0.2		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
2-Butanone (MEK)		17		<0.005	<0.0049	<0.0047	<0.0053	<0.0042	<0.0043	<0.0042	<0.005	<0.0044	<0.0054
Carbon Disulfide		32		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Carbon tetrachloride		0.07		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Chlorobenzene		1		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Chloroethane		---		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Chloroform		0.6		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Chloromethane		---		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Dibromochloromethane		0.4		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,2-Dibromoethane				<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Dibromomethane				<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,1-Dichloroethane		23		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,2-Dichloroethane		0.02		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,1-Dichloroethene				<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
cis-1,2-Dichloroethene		0.4		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
trans-1,2-Dichloroethene		0.7		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,1-Dichloropropene				<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,2-Dichloropropane		0.03		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,3-Dichloropropane		1000		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
2,2-Dichloropropane				<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
cis-1,3-Dichloropropene		0.004		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
trans-1,3-Dichloropropene		0.004		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Ethylbenzene		13		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
2-Hexanone (MBK)		0.16		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	0.0071	0.0024	<0.0022
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Methylene Chloride		0.02		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Methyl tert-butyl ether		0.32		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
4-Methyl-2pentanone (MIBK)		---		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	0.0034	<0.0018	<0.0022
Stryene		4		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Tetrachloroethene		0.06		<0.002	<0.002	<0.0019	<0.0021	<0.0017	0.004	<0.0017	<0.002	<0.0018	<0.0022
Trichlorofluoromethane		34		<0.005	<0.0049	<0.0047	<0.0053	<0.0042		<0.0042	<0.002	<0.0018	<0.0022
Toluene		12		<0.002	0.0054	0.0034	<0.0021	0.0021	<0.0017	<0.0017	<0.002	0.0024	<0.0022
1,1,1-Trichloroethane		2		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,1,2-Trichloroethane		0.02		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,2,3-Trichloropropane		0.000017		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,1,1,2-Tetrachloroethane		3.2		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
1,1,2,2-Tetrachloroehtane		3.3		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Trichloroethene		0.06		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Vinyl chloride		0.01		<0.002	<0.002	<0.0019	<0.0021	<0.0017	<0.0017	<0.0017	<0.002	<0.0018	<0.0022
Xylenes, Total		150		0.0026	0.004	0.0026	0.0027	0.0022	<0.0017	0.0021	0.0021	<0.0018	<0.0022
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	0.094
Acenaphthylene		85		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Acetophenone				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Anthracene		12000		<0.11	<0.054	<0.059	0.078	<0.053	0.13	<0.29	0.088	<0.055	0.25
Azobenzene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Benzo(a)anthracene		2		0.22	<0.054	<0.059	0.28	<0.053	0.95	<0.058	0.32	<0.055	0.39
Benzo(b)fluoranthene		5		<0.55	<0.054	<0.059	0.44	<0.053	1.7	<0.29	0.57	<0.055	0.38

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q	8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q
Benzo(k)fluoranthene		49		<0.55	<0.054	<0.059	0.15	<0.053	0.61	<0.29	0.18	<0.055	0.12
Benzo(g,h,i)perylene		27000		<0.55	<0.054	<0.059	0.16	<0.053	0.75	<0.29	0.19	<0.055	0.1
Benzo(a)pyrene		8		<0.55	<0.054	<0.059	0.27	<0.053	1.3	<0.29	0.3	<0.055	0.28
Bis(2-chloroethyl)ether		0.0004		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Bis(2-chloroethoxy)methane				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Bis(2-ethylhexyl)phthalate		3600		<0.37	<0.18	<0.2	<0.21	<0.18	<0.88	<0.2	<0.19	<0.19	<0.21
4-Bromophenyl phenyl ether				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Butyl benzyl phthalate		930		<0.11	<0.054	<0.059	<0.062	<0.053	<0.26	<0.058	<0.056	<0.055	<0.062
Carbazole		0.6		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	0.078
4-Chloro-3-methylphenol				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
4-Chloroaniline		0.7		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
1-Chloronaphthalene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2-Chloronaphthalene		49		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2-Chlorophenol		4		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
4-Chlorophenyl phenyl ether				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Chrysene		160		0.26	<0.054	<0.059	0.35	<0.053	1.2	<0.058	0.44	<0.055	0.49
1,2-Dichlorobenzene		17		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
1,3-Dichlorobenzene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
1,4-Dichlorobenzene		2		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,4-Dichlorophenol		1		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Di-n-butyl phthalate		2300		<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21
Di-n-octyl phthalate		10000		<1.9	<0.18	<0.2	<0.21	<0.18	<0.88	<0.98	<0.19	<0.19	<0.21
1,2-Dinitrobenzene				<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
1,3-Dinitrobenzene		0.0037		<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
1,4-Dinitrobenzene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,6-Dinitrotoluene		0.0007		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,4-Dinitrophenol		0.2		<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
2,4-Dinitrotoluene		0.0008		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Dibenz(a,h)anthracene		2		<0.55	<0.054	<0.059	<0.062	<0.053	<0.26	<0.29	<0.056	<0.055	<0.062
Dibenzofuran		3		<0.11	<0.054	<0.059	0.074	<0.053	<0.052	<0.058	<0.056	<0.055	0.1
3,3'-Dichlorobenzidine		0.007		<0.11	<0.054	<0.059	<0.062	<0.053	<0.26	<0.058	<0.056	<0.055	<0.062
2,6-Dichlorophenol				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Diethyl phthalate		470		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Dimethyl phthalate		380		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
p-Dimethylaminoazobenzene				<0.37	<0.18	<0.2	<0.21	<0.18	<0.88	<0.2	<0.19	<0.19	<0.21
7,12-Dimethylbenzo(a)anthracene				<1.9	<0.18	<0.2	<0.21	<0.18	<0.88	<0.98	<0.19	<0.19	<0.21
2,4-Dimethylphenol		9		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
4,6-Dinitro-2-methylphenol				<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21
Diphenylamine		20		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Fluoranthene		4300		0.4	<0.054	<0.059	0.46	<0.053	1.4	<0.29	0.65	<0.055	0.97
Fluorene		560		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	0.13
Hexachlorobenzene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Hexachlorobutadiene		2.2		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Hexachlorocyclopentadiene				<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
Hexachloroethane		0.5		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Hexachloropropene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Indeno(1,2,3-cd)pyrene		14		<1.9	<0.18	<0.2	<0.21	<0.18	0.89	<0.98	0.22	<0.19	<0.21
Isodrin				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Isophorone		8		<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
Isosafrole				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Mestranol				<1.9	<0.18	<0.2	<0.21	<0.18	<0.88	<0.98	<0.19	<0.19	<0.21
Ethyl methanesulfonate				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Methyl methanesulfonate				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2-Methylnaphthalene		1.9		<0.11	<0.054	<0.059	0.4	<0.053	0.1	<0.058	0.079	<0.055	0.26
2-Methylphenol		15		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
4-Methylphenol		3.9		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	0.077
Naphthalene		12		<0.11	<0.054	<0.059	0.31	<0.053	0.056	<0.058	0.089	<0.055	0.36
1-Naphthylamine				<0.37 O2	<0.18 O2	<0.2 O2	<0.21 O2	<0.18 O2	<0.18 O2	<0.2 O2	<0.19 O2	<0.19 O2	<0.21 O2
2-Naphthylamine				<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
5-Nitroacenaphthene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
2-Nitroaniline		0.7		<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
3-Nitroaniline				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
4-Nitroaniline		0.14		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Nitrobenzene		0.1		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
4-Nitrobiphenyl				<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21
2-Nitrophenol				<0.37 J5	<0.18	<0.2	<0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.21
4-Nitrophenol		---		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
N-Nitrosodi-n-butylamine				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
N-Nitrosodi-n-propylamine		0.00005		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
N-Nitrosopiperidine				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,2'-Oxybis (1-chloropropane)				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Pentachlorobenzene		31		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Pentachloronitrobenzene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Pentachlorophenol		0.03		<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21
Phenacetin				<0.37	<0.18	<0.2	<0.21	<0.18	<0.18	<0.98	<0.19	<0.19	<0.21
Phenanthrene		210		0.31	<0.054	<0.059	0.56	<0.053	0.59	<0.29	0.57	<0.055	1.8
Phenol		100		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2-Picoline				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Pronamide				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.29	<0.056	<0.055	<0.062
Pyrene		4200		0.54	<0.054	<0.059	0.41	<0.053	1.2	<0.058	0.49	<0.055	0.85
Pyridine		---		<0.37	<0.18 O2	<0.2	<0.21	<0.18	<0.18 O2	<0.2 O2	<0.19	<0.19	<0.21
Safrole				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
1,2,4,5-Tetrachlorobenzene				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,3,4,6-Tetrachlorophenol				<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
1,2,4-Trichlorobenzene		5		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,4,5-Trichlorophenol		270		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
2,4,6-Trichlorophenol		0.2		<0.11	<0.054	<0.059	<0.062	<0.053	<0.052	<0.058	<0.056	<0.055	<0.062
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063
alpha-BHC		0.0005		<0.0022	<0.0021	<0.0022	<0.0025	<0.0022	<0.0021	<0.0021	<0.0022	<0.0022	<0.0025
beta-BHC				<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
delta-BHC				<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
gamma-BHC		0.009		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
alpha-Chlordane		10		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1144-09 SB-47 (3-5) Soil 8/22/2023 9:29 AM 90.60939	23H1144-13 SB-47 (9-11) Soil 8/22/2023 9:44 AM 84.21053	23H1144-18 SB-48 (1-3) Soil 8/22/2023 10:55 AM 83.3996	23H1144-19 SB-48 (5.5-7.5) Soil 8/22/2023 11:05 AM 77.99802	23H1144-20 SB-48 (14-16) Soil 8/22/2023 11:23 AM 87.29389	23H1144-16 SB-49 (4-5) Soil 8/22/2023 10:37 AM 93.36633	23H1144-17 SB-49 (14-16) Soil 8/22/2023 10:50 AM 86.17647	23H1219-02 SB-50 (5-7) Soil 8/22/2023 1:16 PM 83.20683	23H1219-03 SB-50 (10-12) Soil 8/22/2023 1:33 PM 86.1829	23H1219-04 SB-51 (6-8) Soil 8/22/2023 2:10 PM 77.78865
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q	8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q
gamma-Chlordane		10		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063
Dieldrin		0.004		<0.0022	<0.0021	<0.0022	<0.0025	<0.0022	0.011	<0.0021	0.0098	<0.0022	<0.0025
p,p'-DDT		32		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063
p,p'-DDD		16		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	0.0081 J3	<0.0055	<0.0063
p,p'-DDE		54		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	0.013 J3	<0.0055	<0.0063
Endosulfan I		18		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
Endosulfan II				<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	0.0077	<0.0053	0.025	<0.0055	<0.0063
Endosulfan sulfate				<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
Endrin		1		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
Endrin aldehyde				<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063
Endrin ketone				<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	0.0075	<0.0053	<0.0056 J3	<0.0055	0.0071
Heptachlor		23		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056 J3	<0.0055	<0.0063
Heptachlor epoxide		0.7		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
Methoxychlor		160		<0.0055	<0.0053	<0.0056	<0.0063	<0.0054	<0.0052	<0.0053	<0.0056	<0.0055	<0.0063
Toxaphene		31		<0.11	<0.11	<0.11	<0.13	<0.11	<0.1	<0.11	<0.11	<0.11	<0.13
Aroclor 1016				<0.011	<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013
Aroclor 1221				<0.011	<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013
Aroclor 1232				<0.011	<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013
Aroclor 1242				<0.011	<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013
Aroclor 1248				<0.011	<0.011	<0.011	<0.013	<0.011	<0.01	<0.011	<0.011	<0.011	<0.013
Aroclor 1254				<0.011 J5	<0.011	0.21	<0.013	<0.011	1.7	<0.011	0.94	<0.011	<0.013
Aroclor 1260				0.067	<0.011	0.16	<0.013	<0.011	<0.01	<0.011	0.88	<0.011	<0.013
PCB, Total									1.7		1.82		
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.3 I, Q	8.5 I, Q	8.3 I, Q	7.9 I, Q	8.4 I, Q	8.2 I, Q	8.3 I, Q	7.9 I, Q	8.5 I, Q	7.9 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581
pH - Standard Units													
pH				8.5 I, Q	7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q	8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		12400	6640	14100	15100	13100	10200	7450	6250	13200	4540
Antimony	all	5		<0.010	0.072	<0.010	<0.010	<0.010	0.036	<0.010	0.064	<0.010	0.014
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31			<0.010 B1		<0.010 B1	<0.010 B1			<0.010 B1		
	8.25 to 8.74	32		<0.010 B1		<0.010 B1			<0.010 B1	<0.010 B1		<0.010 B1	
	8.75 to 9.0	33											<0.010 B1
	9.0+	--											
Barium	6.25 to 6.64	1500		0.636	1.52	0.81	0.55	0.538	0.867	0.318	1.36	0.398	0.392
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		24.6	21.5	17.5	18.9	18.5	110	15.3	29.3	21	33.4
Cadmium	**6.25 to 6.4**	5.2		<0.005	0.471	<0.005	<0.005	<0.005	1.29	1.35	0.715	<0.005	0.055
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		78300	8160	5310	40400	56500	48800	61500	5450	61600	81500
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		10.3	7.35	19.7	13.5	8.87	24.9	9.62	9.24	7.99	8.16
Copper	**6.25 to 6.64**	59,000		23.3	14500	25.7	88.4	122	5590	23.2	20700	32	356
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.035	0.182	<0.036	0.07	0.066	0.114	<0.031	0.269	<0.033	<0.034
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		17700	18300	33500	22500	19000	28400	27800	26300	15600	16600
Lead	**6.25 to 6.64**	--		0.012	42.3	0.028	0.012	0.006	11.4	0.011	38.4	0.007	0.389
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		37700	3900	6740	21100	31000	22500	35300	2230	36000	40700
Manganese	**NRO**	1,924		503	453	1340	512	418	672	490	424	458	453
Mercury	**6.25 to 6.64**	0.89		0.02	0.7	0.01	0.22	0.15		0.01	0.5	0.02	0.02
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--							1.32				
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.084	0.151	0.026	0.022	0.019	4.07	0.022	0.2	0.009	0.045
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		4270	745	2890	2830	2760	1550	2060	540	3290	1150
Selenium	**6.25 to 6.64**	6.3		<0.025 J5	0.027 J6	0.027 J6	<0.025 J5	<0.025 J5	0.031 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.030 J6

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581
pH - Standard Units													
pH				8.5 I, Q	7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q	8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		0.005	<0.003	<0.003	0.004	0.004	0.003	0.003	<0.003	0.003	0.004
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		263	<273	255	599	554	1710	401	397	342	489
Strontium	**NRO**	NRO		56.3	28.2	17.1	27.4	33.8	66.4	31	55.8	35.7	36.3
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		0.047	83.5	0.372	0.367	0.21	89.1	7.1	128	0.12	40.5
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0041	<0.0068	<0.0049	<0.0044	<0.0048	0.008	0.015	0.014	0.01	0.013
Benzene		0.03		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Bromobenzene		0.86		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Bromochloroethene													
Bromochloromethane				<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Bromodichloromethane		0.6		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Bromoform		0.8		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Bromomethane		0.2		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
2-Butanone (MEK)		17		<0.0041	<0.0068	<0.0049	<0.0044	<0.0048	<0.0055	<0.0057	<0.0061	<0.0049	<0.0046
Carbon Disulfide		32		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Carbon tetrachloride		0.07		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Chlorobenzene		1		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Chloroethane		---		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Chloroform		0.6		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Chloromethane		---		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Dibromochloromethane		0.4		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,2-Dibromoethane				<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Dibromomethane				<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1-Dichloroethane		23		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,2-Dichloroethane		0.02		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1-Dichloroethene				<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
cis-1,2-Dichloroethene		0.4		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	0.011
trans-1,2-Dichloroethene		0.7		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1-Dichloropropene				<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,2-Dichloropropane		0.03		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,3-Dichloropropane		1000		<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
2,2-Dichloropropane				<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
cis-1,3-Dichloropropene		0.004		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
trans-1,3-Dichloropropene		0.004		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Ethylbenzene		13		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
2-Hexanone (MBK)		0.16		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	0.0032	0.0021	<0.0018
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Methylene Chloride		0.02		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	0.0025	<0.002	<0.0018
Methyl tert-butyl ether		0.32		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Stryene		4		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Tetrachloroethene		0.06		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Trichlorofluoromethane		34		<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019			<0.0024	0.0082	0.0043
Toluene		12		0.0017	<0.0027	<0.0019	<0.0017	0.0053	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1,1-Trichloroethane		2		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1,2-Trichloroethane		0.02		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,2,3-Trichloropropane		0.000017		<0.0016 J3	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Trichloroethene		0.06		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	<0.0018
Vinyl chloride		0.01		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	<0.002	0.0051
Xylenes, Total		150		<0.0016	<0.0027	<0.0019	<0.0017	<0.0019	<0.0022	<0.0023	<0.0024	0.002	<0.0018
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.057	0.1	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Acenaphthylene		85		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Acetophenone				<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Anthracene		12000		<0.057	0.36	<0.058	<0.053	<0.056	<0.054	<0.054	0.23	<0.064	<0.052
Azobenzene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Benzo(a)anthracene		2		<0.057	0.91	<0.058	0.14	<0.056	0.076	<0.054	0.64	<0.064	<0.052
Benzo(b)fluoranthene		5		<0.057	1	<0.058	0.22	<0.056	0.12	<0.054	0.77	<0.064	<0.052

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581
pH - Standard Units													
pH				8.5 I, Q	7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q	8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q
Benzo(k)fluoranthene		49		<0.057	0.37	<0.058	0.085	<0.056	<0.054	<0.054	0.32	<0.064	<0.052
Benzo(g,h,i)perylene		27000		<0.057	0.3	<0.058	0.069	<0.056	<0.054	<0.054	0.22	<0.064	<0.052
Benzo(a)pyrene		8		<0.057	0.79	<0.058	0.16	<0.056	0.084	<0.054	0.6	<0.064	<0.052
Bis(2-chloroethyl)ether		0.0004		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Bis(2-chloroethoxy)methane				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Bis(2-ethylhexyl)phthalate		3600		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
4-Bromophenyl phenyl ether				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Butyl benzyl phthalate		930		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Carbazole		0.6		<0.057	0.14	<0.058	<0.053	<0.056	<0.054	<0.054	0.098	<0.064	<0.052
4-Chloro-3-methylphenol				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
4-Chloroaniline		0.7		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
1-Chloronaphthalene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2-Chloronaphthalene		49		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2-Chlorophenol		4		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
4-Chlorophenyl phenyl ether				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Chrysene		160		<0.057	1	<0.058	0.17	<0.056	0.11	<0.054	0.71	<0.064	<0.052
1,2-Dichlorobenzene		17		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
1,3-Dichlorobenzene				<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
1,4-Dichlorobenzene		2		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
2,4-Dichlorophenol		1		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Di-n-butyl phthalate		2300		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Di-n-octyl phthalate		10000		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
1,2-Dinitrobenzene				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
1,3-Dinitrobenzene		0.0037		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
1,4-Dinitrobenzene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,6-Dinitrotoluene		0.0007		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,4-Dinitrophenol		0.2		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
2,4-Dinitrotoluene		0.0008		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Dibenz(a,h)anthracene		2		<0.057	0.09	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Dibenzofuran		3		<0.057	0.15	<0.058	<0.053	<0.056	<0.054	<0.054	0.09	<0.064	<0.052
3,3'-Dichlorobenzidine		0.007		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,6-Dichlorophenol				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Diethyl phthalate		470		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Dimethyl phthalate		380		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
p-Dimethylaminoazobenzene				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
2,4-Dimethylphenol		9		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
4,6-Dinitro-2-methylphenol				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Diphenylamine		20		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Fluoranthene		4300		<0.057	1.9	<0.058	0.3	<0.056	0.18	<0.054	1.3	<0.064	<0.052
Fluorene		560		<0.057	0.1	<0.058	<0.053	<0.056	<0.054	<0.054	0.069	<0.064	<0.052
Hexachlorobenzene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Hexachlorobutadiene		2.2		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Hexachlorocyclopentadiene				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Hexachloroethane		0.5		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Hexachloropropene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Indeno(1,2,3-cd)pyrene		14		<0.19	0.35	<0.2	<0.18	<0.19	<0.18	<0.18	0.27	<0.22	<0.18
Isodrin				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Isophorone		8		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Isosafrole				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Mestranol				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Ethyl methanesulfonate				<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Methyl methanesulfonate				<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
2-Methylnaphthalene		1.9		<0.057	0.15	<0.058	<0.053	<0.056	<0.054	<0.054	0.063	<0.064	<0.052
2-Methylphenol		15		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
4-Methylphenol		3.9		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Naphthalene		12		<0.057	0.21	<0.058	<0.053	<0.056	<0.054	<0.054	0.092	<0.064	<0.052
1-Naphthylamine				<0.19 O2	<0.22 O2	<0.2 O2	<0.18 O2	<0.19 O2	<0.18 O2	<0.18 O2	<0.21 O2	<0.22 O2	<0.18 O2
2-Naphthylamine				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
5-Nitroacenaphthene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2-Nitroaniline		0.7		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
3-Nitroaniline				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
4-Nitroaniline		0.14		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Nitrobenzene		0.1		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
4-Nitrobiphenyl				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
2-Nitrophenol				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
4-Nitrophenol		---		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
N-Nitrosodi-n-butylamine				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
N-Nitrosodi-n-propylamine		0.00005		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
N-Nitrosopiperidine				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,2'-Oxybis (1-chloropropane)				<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Pentachlorobenzene		31		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Pentachloronitrobenzene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Pentachlorophenol		0.03		<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Phenacetin				<0.19	<0.22	<0.2	<0.18	<0.19	<0.18	<0.18	<0.21	<0.22	<0.18
Phenanthrene		210		<0.057	1.9	<0.058	0.14	<0.056	0.13	<0.054	1.1	<0.064	<0.052
Phenol		100		<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
2-Picoline				<0.057	<0.065	<0.058	<0.053	<0.056 J1	<0.054	<0.054	<0.061	<0.064	<0.052
Pronamide				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Pyrene		4200		<0.057	1.5	<0.058	0.24	<0.056	0.14	<0.054	0.97	<0.064	<0.052
Pyridine		---		<0.19	<0.22	<0.2	<0.18	<0.19 J1	<0.18	<0.18	<0.21	<0.22	<0.18
Safrole				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
1,2,4,5-Tetrachlorobenzene				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,3,4,6-Tetrachlorophenol				<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
1,2,4-Trichlorobenzene		5		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,4,5-Trichlorophenol		270		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
2,4,6-Trichlorophenol		0.2		<0.057	<0.065	<0.058	<0.053	<0.056	<0.054	<0.054	<0.061	<0.064	<0.052
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
alpha-BHC		0.0005		<0.0022	<0.0027	<0.0022	<0.0023	<0.0022	<0.0023	<0.0024	<0.0023	<0.0025	<0.0021
beta-BHC				<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
delta-BHC				<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	0.01	<0.0059	<0.0058	<0.0062	<0.0053
gamma-BHC		0.009		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
alpha-Chlordane		10		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-06 SB-51 (14-16) Soil 8/22/2023 2:55 PM 86.07843	23H1219-07 SB-52 (4-6) Soil 8/22/2023 3:10 PM 73.36449	23H1219-08 SB-52 (10-12) Soil 8/22/2023 3:25 PM 84.61539	23H1219-09 SB-53 (1-3) Soil 8/22/2023 3:25 PM 87.68519	23H1219-10 SB-53 (1-3) D Soil 8/22/2023 3:25 PM 86.14801	23H1219-14 SB-53 (6-8) Soil 8/22/2023 4:50 PM 84.23552	23H1219-15 SB-53 (10-12) Soil 8/22/2023 4:55 PM 82.93333	23H1219-11 SB-54 (5-7) Soil 8/22/2023 3:50 PM 81.92552	23H1219-13 SB-54 (10-12) Soil 8/22/2023 4:00 PM 75.84541	23H1219-16 SB-55 (5-7) Soil 8/22/2023 5:20 PM 91.25581
pH - Standard Units													
pH				8.5 I, Q	7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q	8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q
gamma-Chlordane		10		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Dieldrin		0.004		<0.0022	<0.0027	<0.0022	<0.0023	<0.0022	<0.0023	<0.0024	<0.0023	<0.0025	<0.0021
p,p'-DDT		32		<0.0055	<0.0066	<0.0056	0.0057	0.0099	0.014	<0.0059	<0.0058	<0.0062	<0.0053
p,p'-DDD		16		<0.0055	<0.0066	<0.0056	0.0072	0.0075	0.011	<0.0059	<0.0058	<0.0062	0.26
p,p'-DDE		54		<0.0055	<0.0066	<0.0056	0.016	0.019	0.018	<0.0059	<0.0058	<0.0062	<0.0053
Endosulfan I		18		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Endosulfan II				<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Endosulfan sulfate				<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Endrin		1		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Endrin aldehyde				<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Endrin ketone				<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Heptachlor		23		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Heptachlor epoxide		0.7		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Methoxychlor		160		<0.0055	<0.0066	<0.0056	<0.0056	<0.0054	<0.0058	<0.0059	<0.0058	<0.0062	<0.0053
Toxaphene		31		<0.11	<0.13	<0.11	<0.11	<0.11	<0.12	<0.12	<0.12	<0.12	<0.11
Aroclor 1016				<0.011	<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011
Aroclor 1221				<0.011	<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011
Aroclor 1232				<0.011	<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011
Aroclor 1242				<0.011	<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011
Aroclor 1248				<0.011	<0.013	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011
Aroclor 1254				<0.011	<0.013	<0.011	0.021	0.057	0.15	<0.012	<0.012	<0.012	<0.011
Aroclor 1260				<0.011	<0.013	<0.011	<0.011	0.095	<0.012	<0.012	<0.012	<0.012	<0.011
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.5 I, Q	7.8 I, Q	8.5 I, Q	8.1 I, Q	8.1 I, Q	8.6 I, Q	8.6 I, Q	7.9 I, Q	8.6 I, Q	8.8 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864
pH - Standard Units													
pH				8.4 I, Q	8.6 I, Q	8.8 I, Q	8.3 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		11900	10200.00	33100.00	3100	8030	10100.00	10800.00	5030.00	12400.00	9010.00
Antimony	all	5		<0.010	<0.01	0.02	0.045	<0.010	<0.010	<0.010	0.02	<0.010	<0.010
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31									<0.010 B1, J7		
	8.25 to 8.74	32		<0.010 B1	<0.010 B1, J7		<0.010 B1, I, J3, J7	<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7		<0.010 B1, J7	<0.010 B1, J7
	8.75 to 9.0	33				<0.010 B1, J7							
	9.0+	--											
Barium	6.25 to 6.64	1500		0.489	0.29	0.18	0.109 V	0.345	0.36	0.35	0.61	0.32	0.46
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	0.05	<0.001	<0.001	<0.001	<0.001	0.01	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		24.8	22.60	1760.00	119	23.4	29.50	24.70	47.30	21.80	26.20
Cadmium	**6.25 to 6.4**	5.2		<0.005	0.003 B2	0.009 B2	0.194 B2	0.036 B2	0.003 B2	0.003 B2	0.027 B2	0.013 B2	<0.003 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		67800	69800.00	39000.00	12000	54900	103000.00	85900.00	101000.00	77300.00	70500.00
Chromium	**NS**	NS		<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		11.1	8.69	31.70	3.77	6.87	6.94	7.93	6.04	10.7 J3	6.74
Copper	**6.25 to 6.64**	59,000		21.4	27.10	6920.00	96.3	23.8	123.00	124.00	748.00	21.60	19.50
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.034	<0.035	<0.030	0.167	<0.036	<0.034 J3	<0.035	<0.035	<0.035 J3	<0.035
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		20800	15500.00	129000.00	28400	13000	16900.00	19700.00	14900.00	19700.00	16800.00
Lead	**6.25 to 6.64**	--		0.013	<0.005	0.27	0.188	0.016	<0.005	<0.005	0.37	<0.005	<0.005
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		35100	34700.00	18300.00	2050	31900	44300.00	36400.00	48300.00	37400.00	38900.00
Manganese	**NRO**	1,924		532	423.00	5710.00	185	505	487.00	482.00	483.00	585.00	628.00
Mercury	**6.25 to 6.64**	0.89		0.01	<0.005	<0.006	0.45	0.01	0.05	0.03	0.15	0.02	0.02
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.015	0.02	0.20	0.015	0.022	0.01	0.01	0.27	0.02	0.01
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		3940	3060.00	1870.00	1360	2350	2230.00	2320.00	1360.00	3820.00	2730.00
Selenium	**6.25 to 6.64**	6.3		<0.025 J5	<0.025 J5	0.037 J5	<0.025 I, J6	<0.025 J6	0.033 J6	<0.025 J5	0.038 J6	0.026 J6	<0.025 J6

IEPA TACO TABLE

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pH - Standard Units													
pH				8.4 I, Q	8.6 I, Q	8.8 I, Q	8.3 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		0.004	0.00	<0.003	<0.003	<0.003	0.01	0.01	0.00	0.01	0.00
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		295	325.00	28000.00	1600	320	300.00	266.00	490.00	294.00	242.00
Strontium	**NRO**	NRO		46.7	40.20	208.00	101	29.1	56.20	54.00	44.60	43.50	25.40
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		1.22	0.21	38.30	131	4.48	0.11	0.15	58.70	1.72	0.03
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0047	<0.0041	<0.0044	<0.0054	0.0089	<0.0046	<0.0055	0.022	<0.0046	<0.0044
Benzene		0.03		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Bromobenzene		0.86		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Bromochloroethene													
Bromochloromethane				<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Bromodichloromethane		0.6		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Bromoform		0.8		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Bromomethane		0.2		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
2-Butanone (MEK)		17		<0.0047	<0.0041	<0.0044	<0.0054	<0.0052	<0.0046	<0.0055	0.0059	<0.0046	<0.0044
Carbon Disulfide		32		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Carbon tetrachloride		0.07		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Chlorobenzene		1		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Chloroethane		---		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Chloroform		0.6		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Chloromethane		---		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Dibromochloromethane		0.4		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,2-Dibromoethane				<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Dibromomethane				<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1-Dichloroethane		23		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,2-Dichloroethane		0.02		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1-Dichloroethene				<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
cis-1,2-Dichloroethene		0.4		0.0029	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
trans-1,2-Dichloroethene		0.7		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1-Dichloropropene				<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,2-Dichloropropane		0.03		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,3-Dichloropropane		1000		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
2,2-Dichloropropane				<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
cis-1,3-Dichloropropene		0.004		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
trans-1,3-Dichloropropene		0.004		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Ethylbenzene		13		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
2-Hexanone (MBK)		0.16		<0.0019	0.002	0.0022	<0.0022	0.0027	<0.0018	<0.0022	<0.002	0.0024	0.0023
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Methylene Chloride		0.02		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Methyl tert-butyl ether		0.32		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
4-Methyl-2pentanone (MIBK)		---		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Stryene		4		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Tetrachloroethene		0.06		<0.0019	<0.0016	<0.0018	0.0023	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Trichlorofluoromethane		34			<0.0016	<0.0018		<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Toluene		12		<0.0019	<0.0016	0.0049	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1,1-Trichloroethane		2		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1,2-Trichloroethane		0.02		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,2,3-Trichloropropane		0.000017		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1,1,2-Tetrachloroethane		3.2		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
1,1,2,2-Tetrachloroehtane		3.3		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Trichloroethene		0.06		<0.0019	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Vinyl chloride		0.01		0.004	<0.0016	<0.0018	<0.0022	<0.0021	<0.0018	<0.0022	<0.002	<0.0018	<0.0018
Xylenes, Total		150		<0.0019	0.0021	0.0037	0.0025	0.0027	0.0018	<0.0022	<0.002	0.0021	0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Acenaphthylene		85		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Acetophenone				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
Anthracene		12000		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Azobenzene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Benzo(a)anthracene		2		<0.056	<0.053	<0.056	0.11	<0.062	0.16	0.12	<0.059	<0.058	<0.056
Benzo(b)fluoranthene		5		<0.056	<0.053	<0.056	0.17	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056

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CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-59 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864
pH - Standard Units													
pH				8.4 I, Q	8.6 I, Q	8.8 I, Q	8.3 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q
Benzo(k)fluoranthene		49		<0.056	<0.053	<0.056	0.063	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056
Benzo(g,h,i)perylene		27000		<0.056	<0.053	<0.056	<0.057	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056
Benzo(a)pyrene		8		<0.056	<0.053	<0.056	0.076	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056
Bis(2-chloroethyl)ether		0.0004		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
Bis(2-chloroethoxy)methane				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Bis(2-ethylhexyl)phthalate		3600		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
4-Bromophenyl phenyl ether				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Butyl benzyl phthalate		930		<0.056	<0.053	<0.056	<0.057	<0.062	0.17	<0.054	<0.059	<0.058	<0.056
Carbazole		0.6		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
4-Chloro-3-methylphenol				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
4-Chloroaniline		0.7		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054 J3	<0.059	<0.058	<0.056
1-Chloronaphthalene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2-Chloronaphthalene		49		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2-Chlorophenol		4		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
4-Chlorophenyl phenyl ether				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Chrysene		160		<0.056	<0.053	<0.056	0.2	<0.062	0.19	0.15	<0.059	<0.058	<0.056
1,2-Dichlorobenzene		17		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
1,3-Dichlorobenzene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
1,4-Dichlorobenzene		2		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
2,4-Dichlorophenol		1		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Di-n-butyl phthalate		2300		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
Di-n-octyl phthalate		10000		<0.19	<0.18	<0.19	<0.19	<0.21	<0.91 O1	<0.92 O1	<1 O1	<0.2 O1	<0.19
1,2-Dinitrobenzene				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
1,3-Dinitrobenzene		0.0037		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
1,4-Dinitrobenzene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2,6-Dinitrotoluene		0.0007		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2,4-Dinitrophenol		0.2		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18 J3	<0.2	<0.2	<0.19
2,4-Dinitrotoluene		0.0008		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Dibenz(a,h)anthracene		2		<0.056	<0.053	<0.056	<0.057	<0.062	<0.27	<0.27	<0.3	<0.058	<0.056
Dibenzofuran		3		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
3,3'-Dichlorobenzidine		0.007		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054 J3	<0.059	<0.058	<0.056
2,6-Dichlorophenol				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Diethyl phthalate		470		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Dimethyl phthalate		380		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
p-Dimethylaminoazobenzene				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.18	<0.19	<0.19	<0.21	<0.91	<0.92	<1	<0.2	<0.19
2,4-Dimethylphenol		9		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
4,6-Dinitro-2-methylphenol				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
Diphenylamine		20		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Fluoranthene		4300		<0.056	<0.053	<0.056	0.22	<0.062	0.33	0.26	0.067	<0.058	<0.056
Fluorene		560		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Hexachlorobenzene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Hexachlorobutadiene		2.2		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Hexachlorocyclopentadiene				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
Hexachloroethane		0.5		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
Hexachloropropene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Indeno(1,2,3-cd)pyrene		14		<0.19	<0.18	<0.19	<0.19	<0.21	<0.91	<0.92	<1	<0.2	<0.19
Isodrin				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Isophorone		8		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
Isosafrole				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Mestranol				<0.19	<0.18	<0.19	<0.19	<0.21	<0.91 J5, O1	<0.92 J5, O1	<1 J5, O1	<0.2 J5, O1	<0.19
Ethyl methanesulfonate				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
Methyl methanesulfonate				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
2-Methylnaphthalene		1.9		<0.056	<0.053	<0.056	0.12	<0.062	<0.053	<0.054	0.065	<0.058	<0.056
2-Methylphenol		15		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
4-Methylphenol		3.9		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
Naphthalene		12		<0.056	<0.053	<0.056	0.098	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
1-Naphthylamine				<0.19 O2	<0.18 O2	<0.19 O2	<0.19 O2	<0.21 O2	<0.18 O2	<0.18 J3, O2	<0.2 O2	<0.2 O2	<0.19 O2
2-Naphthylamine				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18 J3	<0.2	<0.2	<0.19
5-Nitroacenaphthene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2-Nitroaniline		0.7		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
3-Nitroaniline				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
4-Nitroaniline		0.14		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Nitrobenzene		0.1		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
4-Nitrobiphenyl				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
2-Nitrophenol				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
4-Nitrophenol		---		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
N-Nitrosodi-n-butylamine				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
N-Nitrosodi-n-propylamine		0.00005		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
N-Nitrosopiperidine				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2,2'-Oxybis (1-chloropropane)				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
Pentachlorobenzene		31		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Pentachloronitrobenzene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Pentachlorophenol		0.03		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
Phenacetin				<0.19	<0.18	<0.19	<0.19	<0.21	<0.18	<0.18	<0.2	<0.2	<0.19
Phenanthrene		210		<0.056	<0.053	<0.056	0.33	<0.062	0.11	0.093	0.13	<0.058	<0.056
Phenol		100		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054	<0.059	<0.058	<0.056
2-Picoline				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053 J1	<0.054 J3	<0.059	<0.058	<0.056
Pronamide				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Pyrene		4200		<0.056	<0.053	<0.056	0.18	<0.062	0.39 O1	0.28 O1	0.084 O1	<0.058 O1	<0.056
Pyridine		---		<0.19	<0.18	<0.19	<0.19	<0.21	<0.18 J1	<0.18	<0.2	<0.2	<0.19
Safrole				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
1,2,4,5-Tetrachlorobenzene				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2,3,4,6-Tetrachlorophenol				<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
1,2,4-Trichlorobenzene		5		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2,4,5-Trichlorophenol		270		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
2,4,6-Trichlorophenol		0.2		<0.056	<0.053	<0.056	<0.057	<0.062	<0.053	<0.054	<0.059	<0.058	<0.056
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
alpha-BHC		0.0005		<0.0022	<0.0023	<0.0021	<0.0022	<0.0023	<0.0021	<0.0021	<0.0023	<0.0024	<0.0021
beta-BHC				<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
delta-BHC				<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052 J7	<0.0053 J7	<0.0058 J7	<0.0059 J7	<0.0052
gamma-BHC		0.009		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
alpha-Chlordane		10		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1219-17 SB-55 (10-12) Soil 8/22/2023 5:25 PM 84.48439	23H1260-05 SB-56 (14-16) Soil 8/23/2023 9:35 AM 84.40112	23H1260-02 SB-56 (8-10) Soil 8/23/2023 8:55 AM 89.10985	23H1219-18 SB-57 (6-8) Soil 8/22/2023 5:27 PM 83.23699	23H1219-19 SB-57 (10-12) Soil 8/22/2023 5:44 PM 79.26485	23H1260-09 SB-58 (1-3) Soil 8/23/2023 10:35 AM 89.98016	23H1260-10 SB-58 (1-3) D Soil 8/23/2023 10:35 AM 90.0675	23H1260-13 SB-58 (5-7) Soil 8/23/2023 10:40 AM 83.4791	23H1260-08 SB-58 (9-11) Soil 8/23/2023 10:25 AM 83.75	23H1260-03 SB-59 (1-3) Soil 8/23/2023 9:00 AM 88.46864
pH - Standard Units													
pH				8.4 I, Q	8.6 I, Q	8.8 I, Q	8.3 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q
gamma-Chlordane		10		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Dieldrin		0.004		<0.0022	<0.0023	<0.0021	<0.0022	<0.0023	<0.0021	<0.0021	<0.0023	<0.0024	<0.0021
p,p'-DDT		32		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
p,p'-DDD		16		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
p,p'-DDE		54		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Endosulfan I		18		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Endosulfan II				<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Endosulfan sulfate				<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Endrin		1		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Endrin aldehyde				<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Endrin ketone				<0.0054	<0.0058	<0.0053	0.013	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Heptachlor		23		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Heptachlor epoxide		0.7		<0.0054	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Methoxychlor		160		0.23	<0.0058	<0.0053	<0.0055	<0.0058	<0.0052	<0.0053	<0.0058	<0.0059	<0.0052
Toxaphene		31		<0.11	<0.12	<0.11	<0.11	<0.12	<0.1	<0.11	<0.12	<0.12	<0.1
Aroclor 1016				<0.011	<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01
Aroclor 1221				<0.011	<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01
Aroclor 1232				<0.011	<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01
Aroclor 1242				<0.011	<0.012	<0.011	<0.011	<0.012	<0.01	<0.011	<0.012	<0.012	<0.01
Aroclor 1248				<0.011	<0.012	<0.011	<0.011	<0.012	<0.011 J5	<0.011 J5	<0.012 J5	<0.012 J5	<0.01
Aroclor 1254				<0.011	<0.012	<0.011	<0.011	<0.012	0.11	0.061	0.19	<0.012	<0.01
Aroclor 1260				<0.011	<0.012	<0.011	<0.011	<0.012	0.075	0.048	0.16	<0.012	<0.01
PCB, Total													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.4 I, Q	8.6 I, Q	8.8 I, Q	8.3 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.2 I, Q	8.5 I, Q	8.6 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818	23H1260-06 SB-59 (10-12) Soil 8/23/2023 9:33 AM 78.34275	23H1260-14 SB-60 (4-6) Soil 8/23/2023 11:15 AM 91.06628	23H1260-07 SB-61 (6-8) Soil 8/23/2023 10:09 AM 78.82118	23H1260-11 SB-61 (10-12) MS/MSD Soil 8/23/2023 10:27 AM 82.90259	23H1260-18 SB-62 (6-8) Soil 8/23/2023 12:10 PM 86.38589	23H1260-19 SB-62 (10-12) Soil 8/23/2023 12:05 PM 84.56973	23H1260-15 SB-63 (5-7) Soil 8/23/2023 11:13 AM 79.30711	23H1260-16 SB-63 (10-12) Soil 8/23/2023 11:33 AM 84.375	23H1260-17 SB-64 (2-4) Soil 8/23/2023 12:30 PM 89.35762
pH - Standard Units													
pH				7.7 I, Q	8.3 I, Q	9.2 I, Q	8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		5280.00	7100.00	15500.00	7610.00	7460.00	11300.00	12500.00	7580.00	12600.00	12500.00
Antimony	all	5		0.06	<0.010	0.02	0.04	<0.010	<0.010	<0.010	0.06	<0.010	0.04
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30		<0.010 B1, J7									
	7.75 to 8.24	31					<0.010 B1, J7				<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
	8.25 to 8.74	32			<0.010 B1, J7			<0.010 B1, J7		<0.010 B1, J7			
	8.75 to 9.0	33							<0.010 B1, J7				
	9.0+	--				<0.010 J7, B1							
Barium	6.25 to 6.64	1500		1.03	0.79	0.46	0.84	0.42	0.38	0.28	0.81	0.37	1.30
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	<0.001	0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		20.70	20.80	1690.00	62.30	14.80	21.70	23.60	27.50	28.20	72.70
Cadmium	**6.25 to 6.4**	5.2		0.347 B2	0.004 B2	0.039 B2	0.275 B2	0.003 B2	0.004 B2	0.041 B2	0.306 B2	0.005 B2	1.10 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		4540.00	70800.00	68200.00	10700.00	75500.00	89100.00	77700.00	12000.00	75100.00	11800.00
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		7.30	19.40	31.90	13.20	10.30	8.21	5.79	10.40	15.00	13.00
Copper	**6.25 to 6.64**	59,000		8200.00	29.00	4820.00	2410.00	22.20	23.70	24.70	7020.00	73.60	19700.00
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.038	<0.036	<0.033	0.24	<0.034	<0.034	<0.036	0.04	<0.035	<0.032
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		20000.00	31400.00	77700.00	29100.00	19900.00	18000.00	18900.00	45300.00	19700.00	44800.00
Lead	**6.25 to 6.64**	--		5.05	0.01	0.17	2.53	<0.005	<0.005 V	0.02	32.60	0.02	59.60
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		2200.00	39900.00	28300.00	2410.00	40000.00	36100.00	38300.00	2020.00	34700.00	2810.00
Manganese	**NRO**	1,924		274.00	2040.00	2520.00	373.00	678.00	469.00	432.00	337.00	641.00	1050.00
Mercury	**6.25 to 6.64**	0.89		0.31	0.02	0.17	0.17	0.02	0.02	0.02		0.02	0.07
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8									4.35		
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.71	0.03	0.10	0.30	0.01	0.04	0.02	0.11	0.01	0.22
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		556.00	1890.00	1470.00	983.00	2290.00	3570.00	4250.00	566.00	3820.00	947.00
Selenium	**6.25 to 6.64**	6.3		0.036 J5	<0.025 J5	0.040 J6	<0.025 J5	0.033 J6	<0.025 J5	<0.025 J5	0.027 J6	0.051 J6	0.025 J6

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818	23H1260-06 SB-59 (10-12) Soil 8/23/2023 9:33 AM 78.34275	23H1260-14 SB-60 (4-6) Soil 8/23/2023 11:15 AM 91.06628	23H1260-07 SB-61 (6-8) Soil 8/23/2023 10:09 AM 78.82118	23H1260-11 SB-61 (10-12) MS/MSD Soil 8/23/2023 10:27 AM 82.90259	23H1260-18 SB-62 (6-8) Soil 8/23/2023 12:10 PM 86.38589	23H1260-19 SB-62 (10-12) Soil 8/23/2023 12:05 PM 84.56973	23H1260-15 SB-63 (5-7) Soil 8/23/2023 11:13 AM 79.30711	23H1260-16 SB-63 (10-12) Soil 8/23/2023 11:33 AM 84.375	23H1260-17 SB-64 (2-4) Soil 8/23/2023 12:30 PM 89.35762
pH - Standard Units													
pH				7.7 I, Q	8.3 I, Q	9.2 I, Q	8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	<0.003	<0.003	<0.003	0.01	0.00	<0.003	<0.003	0.01	0.00
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		259.00	294.00	12700.00	776.00	272.00	339.00	309.00	447.00	292.00	1500.00
Strontium	**NRO**	NRO		33.20	31.80	73.80	92.90	36.60	88.10	60.40	67.30	46.00	49.10
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.010 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		157.00	9.15	16.30	89.10	0.10	0.04	3.88	148.00	0.65	132.00
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0062	0.015	0.014	0.011	<0.0046	<0.0043	<0.0046	<0.0063	0.0061	0.011
Benzene		0.03		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Bromobenzene		0.86		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Bromochloroethene													
Bromochloromethane				<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Bromodichloromethane		0.6		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Bromoform		0.8		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Bromomethane		0.2		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
2-Butanone (MEK)		17		<0.0062	<0.0051	<0.0041	<0.0053	<0.0046	<0.0043	<0.0046	<0.0063	<0.0043	<0.0063
Carbon Disulfide		32		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Carbon tetrachloride		0.07		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Chlorobenzene		1		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Chloroethane		---		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Chloroform		0.6		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Chloromethane		---		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Dibromochloromethane		0.4		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,2-Dibromoethane				<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Dibromomethane				<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,1-Dichloroethane		23		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,2-Dichloroethane		0.02		<0.0025	<0.002	<0.0016	<0.0021	0.0027	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,1-Dichloroethene				<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
cis-1,2-Dichloroethene		0.4		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	0.02	<0.0025
trans-1,2-Dichloroethene		0.7		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	0.0018	<0.0025
1,1-Dichloropropene				<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,2-Dichloropropane		0.03		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,3-Dichloropropane		1000		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
2,2-Dichloropropane				<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
cis-1,3-Dichloropropene		0.004		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
trans-1,3-Dichloropropene		0.004		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Ethylbenzene		13		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
2-Hexanone (MBK)		0.16		0.0031	<0.0051	<0.0016	<0.0053	<0.0046	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Methylene Chloride		0.02		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Methyl tert-butyl ether		0.32		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
4-Methyl-2pentanone (MIBK)		---		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Stryene		4		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Tetrachloroethene		0.06		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Trichlorofluoromethane		34		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Toluene		12		<0.0025	0.0031	<0.0016	<0.0021	<0.0019	0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,1,1-Trichloroethane		2		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,1,2-Trichloroethane		0.02		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,2,3-Trichloropropane		0.000017		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,1,1,2-Tetrachloroethane		3.2		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
1,1,2,2-Tetrachloroehtane		3.3		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Trichloroethene		0.06		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	0.3 I, L
Vinyl chloride		0.01		<0.0025	<0.002	<0.0016	<0.0021	<0.0019	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Xylenes, Total		150		0.0032	0.0027	0.0016	0.0027	0.0024	<0.0017	<0.0018	<0.0025	<0.0017	<0.0025
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Acenaphthylene		85		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Acetophenone				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Anthracene		12000		0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Azobenzene				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Benzo(a)anthracene		2		0.28	<0.061	<0.27	0.066	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28
Benzo(b)fluoranthene		5		0.35	<0.061	<0.27	0.098	<0.29	<0.29	<0.29	<0.3	<0.29	0.54

IEPA TACO TABLE

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pH - Standard Units													
pH				7.7 I, Q	8.3 I, Q	9.2 I, Q	8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q
Benzo(k)fluoranthene		49		0.12	<0.061	<0.27	<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	<0.28
Benzo(g,h,i)perylene		27000		0.13	<0.061	<0.27	<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	0.39
Benzo(a)pyrene		8		0.23	<0.061	<0.27	0.074	<0.29	<0.29	<0.29	<0.3	<0.29	0.32
Bis(2-chloroethyl)ether		0.0004		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Bis(2-chloroethoxy)methane				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Bis(2-ethylhexyl)phthalate		3600		<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<1	<0.2	<0.95
4-Bromophenyl phenyl ether				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Butyl benzyl phthalate		930		<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28
Carbazole		0.6		<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
4-Chloro-3-methylphenol				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
4-Chloroaniline		0.7		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
1-Chloronaphthalene				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.23
2-Chloronaphthalene		49		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.073
2-Chlorophenol		4		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
4-Chlorophenyl phenyl ether				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Chrysene		160		0.38	<0.061	<0.27	0.082	<0.29	<0.29	<0.059	<0.3	<0.059	0.44
1,2-Dichlorobenzene		17		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
1,3-Dichlorobenzene				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
1,4-Dichlorobenzene		2		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2,4-Dichlorophenol		1		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Di-n-butyl phthalate		2300		<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19
Di-n-octyl phthalate		10000		<0.2	<0.21	<0.93 O1	<0.21 O1	<0.97 O1	<0.98 O1	<1 O1	<1 O1	<1 O1	<0.95 O1
1,2-Dinitrobenzene				<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
1,3-Dinitrobenzene		0.0037		<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
1,4-Dinitrobenzene				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2,6-Dinitrotoluene		0.0007		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2,4-Dinitrophenol		0.2		<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
2,4-Dinitrotoluene		0.0008		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Dibenz(a,h)anthracene		2		<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.29	<0.3	<0.29	<0.28
Dibenzofuran		3		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
3,3'-Dichlorobenzidine		0.007		<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.3	<0.059	<0.28
2,6-Dichlorophenol				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Diethyl phthalate		470		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Dimethyl phthalate		380		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
p-Dimethylaminoazobenzene				<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<1	<0.2	<0.95
7,12-Dimethylbenzo(a)anthracene				<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<1	<1	<1	<0.95
2,4-Dimethylphenol		9		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
4,6-Dinitro-2-methylphenol				<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19
Diphenylamine		20		<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Fluoranthene		4300		0.47	<0.061	0.28	0.11	<0.29	<0.29	<0.059	0.41	<0.059	0.16
Fluorene		560		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Hexachlorobenzene				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Hexachlorobutadiene		2.2		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Hexachlorocyclopentadiene				<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
Hexachloroethane		0.5		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Hexachloropropene				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Indeno(1,2,3-cd)pyrene		14		<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<1	<1	<1	<0.95
Isodrin				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Isophorone		8		<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
Isosafrole				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Mestranol				<0.2	<0.21	<0.93 J5, O1	<0.21 J5, O1	<0.97 J5, O1	<0.98 J5, O1	<1 J5, O1	<1 J5, O1	<1 J5, O1	<0.95 J5, O1
Ethyl methanesulfonate				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Methyl methanesulfonate				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2-Methylnaphthalene		1.9		0.12	<0.061	0.07	<0.062	<0.057	<0.057	<0.059	0.084	<0.059	0.073
2-Methylphenol		15		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
4-Methylphenol		3.9		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Naphthalene		12		0.099	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	0.08	<0.059	0.1
1-Naphthylamine				<0.2 O2	<0.21 O2	<0.19 O2	<0.21 O2	<0.19 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.2 O2	<0.19 O2
2-Naphthylamine				<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
5-Nitroacenaphthene				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
2-Nitroaniline		0.7		<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
3-Nitroaniline				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
4-Nitroaniline		0.14		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Nitrobenzene		0.1		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
4-Nitrobiphenyl				<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19
2-Nitrophenol				<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
4-Nitrophenol		---		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
N-Nitrosodi-n-butylamine				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
N-Nitrosodi-n-propylamine		0.00005		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
N-Nitrosopiperidine				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2,2'-Oxybis (1-chloropropane)				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Pentachlorobenzene		31		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.29
Pentachloronitrobenzene				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Pentachlorophenol		0.03		<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19
Phenacetin				<0.2	<0.21	<0.93	<0.21	<0.97	<0.98	<0.2	<0.2	<0.2	<0.19
Phenanthrene		210		0.57	<0.061	<0.27	0.1	<0.29	<0.29	<0.059	0.45	<0.059	0.12
Phenol		100		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2-Picoline				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
Pronamide				<0.058	<0.061	<0.27	<0.062	<0.29	<0.29	<0.059	<0.059	<0.059	<0.056
Pyrene		4200		0.46	<0.061	<0.27	0.13 O1	<0.29	<0.29	<0.059 O1	0.39 O1	<0.059 O1	0.31 O1
Pyridine		---		<0.2	<0.21	<0.19	<0.21	<0.19	<0.2	<0.2	<0.2	<0.2	<0.19
Safrole				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
1,2,4,5-Tetrachlorobenzene				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.14
2,3,4,6-Tetrachlorophenol				<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
1,2,4-Trichlorobenzene		5		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	0.15
2,4,5-Trichlorophenol		270		<0.058	<0.061	<0.054	<0.062	<0.057	<0.057	<0.059	<0.059	<0.059	<0.056
2,4,6-Trichlorophenol		0.2		<0.058	<0.061	<0.054	<0.062	<0.057	<0.067	<0.059	<0.059	<0.059	<0.056
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0056	<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
alpha-BHC		0.0005		<0.0022	<0.0023 J3	<0.0021	<0.0025	<0.0024	<0.0021	<0.0023	<0.0025	<0.0023	<0.42 J1
beta-BHC				<0.0056	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
delta-BHC				<0.0056	<0.0059 J3	<0.0053 J7	<0.0062 J7	<0.0059 J7	<0.0053 J7	<0.0059 J7	<0.0062 J7	<0.0058 J7	<1.1 J1, J7
gamma-BHC		0.009		<0.0056	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
alpha-Chlordane		10		<0.0056	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-04 SB-59 (5-7) Soil 8/23/2023 9:16 AM 81.81818	23H1260-06 SB-59 (10-12) Soil 8/23/2023 9:33 AM 78.34275	23H1260-14 SB-60 (4-6) Soil 8/23/2023 11:15 AM 91.06628	23H1260-07 SB-61 (6-8) Soil 8/23/2023 10:09 AM 78.82118	23H1260-11 SB-61 (10-12) MS/MSD Soil 8/23/2023 10:27 AM 82.90259	23H1260-18 SB-62 (6-8) Soil 8/23/2023 12:10 PM 86.38589	23H1260-19 SB-62 (10-12) Soil 8/23/2023 12:05 PM 84.56973	23H1260-15 SB-63 (5-7) Soil 8/23/2023 11:13 AM 79.30711	23H1260-16 SB-63 (10-12) Soil 8/23/2023 11:33 AM 84.375	23H1260-17 SB-64 (2-4) Soil 8/23/2023 12:30 PM 89.35762
pH - Standard Units													
pH				7.7 I, Q	8.3 I, Q	9.2 I, Q	8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q
gamma-Chlordane		10		<0.0056	<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Dieldrin		0.004		<0.0022	<0.0023 J3	<0.0021	<0.0025	<0.0024	<0.0021	<0.0023	<0.0025	<0.0023	5 J1
p,p'-DDT		32		0.022	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
p,p'-DDD		16		0.0095	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
p,p'-DDE		54		0.021	<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Endosulfan I		18		<0.0056	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Endosulfan II				<0.0056	<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Endosulfan sulfate				<0.0056	<0.0059	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Endrin		1		<0.0056	<0.0059 J3	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Endrin aldehyde				<0.0056	<0.0059	<0.0053	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Endrin ketone				0.0098	<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Heptachlor		23		<0.0056	<0.0059	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Heptachlor epoxide		0.7		<0.0056	<0.0059 J3	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<1.1 J1
Methoxychlor		160		<0.0056	<0.0059	<0.0053 J3	<0.0062	<0.0059	<0.0053	<0.0059	<0.0062	<0.0058	<5.3 J1
Toxaphene		31		<0.11	<0.12	<0.11	<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<21 J1
Aroclor 1016				<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1
Aroclor 1221				<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1
Aroclor 1232				<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1
Aroclor 1242				<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1
Aroclor 1248				<0.011 J3	<0.012	<0.011 J5	<0.012 J5	<0.012 J5	<0.011 J5	<0.012 J5	<0.012 J3, J5	<0.012 J5	<2.1 J1, J5
Aroclor 1254				0.46	<0.012	0.2	0.11	<0.012	<0.011	<0.012	0.032	0.013	210
Aroclor 1260				<0.011	<0.012	0.11	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<2.1 J1
PCB, Total													210
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				7.7 I, Q	8.3 I, Q	9.2 I, Q	8.2 I, Q	8.4 I, Q	8.8 I, Q	8.6 I, Q	8.0 I, Q	8.2 I, Q	7.8 I, Q

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Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-21 SB-64 (6-8) Soil 8/23/2023 12:45 PM 82.7821	23H1261-02 SB-65 (1-3) Soil 8/23/2023 12:57 PM 88.92989	23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227
pH - Standard Units													
pH				8.5 I, Q	8.7 I, Q	9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		12500.00	11700	5770	12300	10300.00	34100.00	14800	10600	14000	9080
Antimony	all	5		<0.010	<0.010	0.122	<0.010	0.02	0.12	<0.010	0.209	0.01	0.064
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31									<0.010 B1, J7		
	8.25 to 8.74	32		<0.010 B1, J7	<0.010 B1, J7			<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7		<0.010 B1, J7	
	8.75 to 9.0	33					<0.010 B1, J7						
	9.0+	--				<0.010 B1, J7							<0.010 B1, J7
Barium	6.25 to 6.64	1500		0.53	0.568	0.937	0.43	0.53	0.54	0.552	0.603	0.401	2.18
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	0.01	<0.001	<0.001	0.00	<0.001	<0.001	<0.001	0.002
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		21.20	32.6	46.2	33.6	48.00	577.00	23.2	<112	<66.4	188
Cadmium	**6.25 to 6.4**	5.2		0.005 B2	0.021 B2	0.353 B2	0.007 B2	0.017 B2	0.878 B2	0.003 B2	0.224 B2	0.003 B2	0.354 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		84700.00	76300	7440	72000	83900.00	33700.00	8280	19200	77900	64100
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		9.76	10.3	5.94	9.56	9.61	82.10	12.2	10.4	9.68	9.12
Copper	**6.25 to 6.64**	59,000		31.00	36.4	6000	38.4	<1.11	19600.00	20.8	14900	35.6	2170
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.06	<0.035	0.121		<0.031	<0.032	<0.036	0.065	<0.040	0.208
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		19100.00	20200	12000	21700	<111	137000.00	21800	36900	22300	25900
Lead	**6.25 to 6.64**	--		0.011 V	0.301	33.9	0.091 V	0.078 V	14.10	0.008 V	1.09	0.009 V	15.2
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		39600.00	31600	3300	34800	33100.00	7020.00	7730	9550	37600	23600
Manganese	**NRO**	1,924		537.00	513	521	515	<1.67	3610.00	381	743	569	555
Mercury	**6.25 to 6.64**	0.89		0.03	0.03	0.59		0.12	0.21	0.05	0.57	0.02	0.16
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.01	0.106	0.249	0.027	0.02	0.66	0.025	0.159	0.013	0.19
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		3820.00	3610	861	4070	<222	2960.00	2310	1430	4480	1560
Selenium	**6.25 to 6.64**	6.3		<0.025 J5	<0.025 J5	0.027 J6	0.025 J6	0.029 J6	0.035 J6	<0.025 J5	0.025 J6	<0.025 J5	0.032 J6

IEPA TACO TABLE

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pH - Standard Units													
pH				8.5 I, Q	8.7 I, Q	9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	0.003	0.005	<0.003	0.00	0.00	<0.003	<0.003	0.003	0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		<237	522	1000	817	<222	14000.00	475	545	304	1410
Strontium	**NRO**	NRO		48.10	46.3	25.6	49.2	<1.11	161.00	18.2	43.1	54	62.9
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		0.25	6.04	115	1.44	4.51 I	516.00	<0.025	84.8	0.092	177
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0044	<0.0046	0.018		<0.0046	<0.0052	0.0067	0.01	<0.0054	0.04
Benzene		0.03		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Bromobenzene		0.86		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Bromochloroethene													
Bromochloromethane				<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Bromodichloromethane		0.6		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Bromoform		0.8		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Bromomethane		0.2		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
2-Butanone (MEK)		17		<0.0044	<0.0046	<0.0052		<0.0046	<0.0052	<0.0049	<0.0049	<0.0054	0.0069
Carbon Disulfide		32		<0.0018	<0.0018	0.0023		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Carbon tetrachloride		0.07		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Chlorobenzene		1		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Chloroethane		---		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Chloroform		0.6		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Chloromethane		---		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Dibromochloromethane		0.4		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,2-Dibromoethane				<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Dibromomethane				<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1-Dichloroethane		23		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,2-Dichloroethane		0.02		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1-Dichloroethene				<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
cis-1,2-Dichloroethene		0.4		<0.0018	<0.0018	<0.0021		<0.0019	0.0072	0.0023	<0.002	<0.0022	<0.0021
trans-1,2-Dichloroethene		0.7		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1-Dichloropropene				<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,2-Dichloropropane		0.03		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,3-Dichloropropane		1000		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
2,2-Dichloropropane				<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
cis-1,3-Dichloropropene		0.004		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
trans-1,3-Dichloropropene		0.004		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Ethylbenzene		13		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
2-Hexanone (MBK)		0.16		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	0.0032	<0.0022	<0.0021
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Methylene Chloride		0.02		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Methyl tert-butyl ether		0.32		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
4-Methyl-2pentanone (MIBK)		---		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Stryene		4		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Tetrachloroethene		0.06		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	0.0025	0.0025	<0.0021
Trichlorofluoromethane		34		<0.0018	<0.0018	<0.0021		<0.0019		<0.0019			<0.0021
Toluene		12		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1,1-Trichloroethane		2		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1,2-Trichloroethane		0.02		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,2,3-Trichloropropane		0.000017		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1,1,2-Tetrachloroethane		3.2		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
1,1,2,2-Tetrachloroehtane		3.3		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Trichloroethene		0.06		0.065	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Vinyl chloride		0.01		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	<0.002	<0.0022	<0.0021
Xylenes, Total		150		<0.0018	<0.0018	<0.0021		<0.0019	<0.0021	<0.0019	0.0039	0.0026	<0.0021
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	0.18
Acenaphthylene		85		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	0.12
Acetophenone				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Anthracene		12000		<0.059	<0.055	0.12		<0.25	<0.051	<0.058	<0.053	<0.062	0.52
Azobenzene				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Benzo(a)anthracene		2		<0.059	<0.055	0.24		<0.25	0.094	<0.058	<0.053	<0.062	1.8
Benzo(b)fluoranthene		5		<0.3	0.081	0.28		<0.25	0.15	<0.058	<0.053	<0.062	2.6

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pH - Standard Units													
pH				8.5 I, Q	8.7 I, Q	9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q
Benzo(k)fluoranthene		49		<0.3	<0.055	0.1		<0.25	0.058	<0.058	<0.053	<0.062	0.88
Benzo(g,h,i)perylene		27000		<0.3	<0.055	0.093		<0.25	0.058	<0.058	<0.053	<0.062	1.2
Benzo(a)pyrene		8		<0.3	0.059	0.19		<0.25	0.096	<0.058	<0.053	<0.062	1.9
Bis(2-chloroethyl)ether		0.0004		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Bis(2-chloroethoxy)methane				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Bis(2-ethylhexyl)phthalate		3600		<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18 O1	<0.21 O1	0.33
4-Bromophenyl phenyl ether				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Butyl benzyl phthalate		930		<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Carbazole		0.6		<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	0.19
4-Chloro-3-methylphenol				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
4-Chloroaniline		0.7		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
1-Chloronaphthalene				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2-Chloronaphthalene		49		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2-Chlorophenol		4		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
4-Chlorophenyl phenyl ether				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Chrysene		160		<0.059	0.067	0.28		<0.25	0.14	<0.058	<0.053	<0.062	2
1,2-Dichlorobenzene		17		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
1,3-Dichlorobenzene				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
1,4-Dichlorobenzene		2		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,4-Dichlorophenol		1		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Di-n-butyl phthalate		2300		<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
Di-n-octyl phthalate		10000		<1 O1	<0.19 O1	<0.19 O1		<0.87 O1	<0.17 O1	<0.2 O1	<0.18 O1	<0.21 O1	<0.18 O1
1,2-Dinitrobenzene				<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
1,3-Dinitrobenzene		0.0037		<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
1,4-Dinitrobenzene				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,6-Dinitrotoluene		0.0007		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,4-Dinitrophenol		0.2		<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
2,4-Dinitrotoluene		0.0008		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Dibenz(a,h)anthracene		2		<0.3	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	0.19
Dibenzofuran		3		<0.059	<0.055	0.057		<0.051	<0.051	<0.058	<0.053	<0.062	0.16
3,3'-Dichlorobenzidine		0.007		<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
2,6-Dichlorophenol				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Diethyl phthalate		470		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Dimethyl phthalate		380		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
p-Dimethylaminoazobenzene				<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
7,12-Dimethylbenzo(a)anthracene				<1	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
2,4-Dimethylphenol		9		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
4,6-Dinitro-2-methylphenol				<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
Diphenylamine		20		<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Fluoranthene		4300		<0.059	0.11	0.52		0.29	0.22	<0.058	<0.053	<0.062	3.6
Fluorene		560		<0.059	<0.055	0.07		<0.051	<0.051	<0.058	<0.053	<0.062	0.2
Hexachlorobenzene				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Hexachlorobutadiene		2.2		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Hexachlorocyclopentadiene				<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
Hexachloroethane		0.5		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Hexachloropropene				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Indeno(1,2,3-cd)pyrene		14		<1	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	1.1
Isodrin				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Isophorone		8		<0.2	<0.19	<0.19		<0.17	0.2	<0.2	<0.18	<0.21	<0.18
Isosafrole				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Mestranol				<1 J5, O1	<0.19 J5, O1	<0.19 J5, O1		<0.87 J5, O1	<0.17 J5, O1	<0.2 J5, O1	<0.18	<0.21	<0.18 J5, O1
Ethyl methanesulfonate				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Methyl methanesulfonate				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2-Methylnaphthalene		1.9		<0.059	<0.055	0.093		<0.051	0.081	<0.058	<0.053	<0.062	0.24
2-Methylphenol		15		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
4-Methylphenol		3.9		<0.059	<0.055	0.057		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Naphthalene		12		<0.059	<0.055	0.13		<0.051	0.079	<0.058	<0.053	<0.062	0.25
1-Naphthylamine				<0.2 O2	<0.19 O2	<0.19 O2		<0.17 O2	<0.17 O2	<0.2 O2	<0.18 O2	<0.21 O2	<0.18 O2
2-Naphthylamine				<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
5-Nitroacenaphthene				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
2-Nitroaniline		0.7		<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
3-Nitroaniline				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
4-Nitroaniline		0.14		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Nitrobenzene		0.1		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
4-Nitrobiphenyl				<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
2-Nitrophenol				<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18 J5	<0.21 J5	<0.18
4-Nitrophenol		---		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
N-Nitrosodi-n-butylamine				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
N-Nitrosodi-n-propylamine		0.00005		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
N-Nitrosopiperidine				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,2'-Oxybis (1-chloropropane)				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Pentachlorobenzene		31		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Pentachloronitrobenzene				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Pentachlorophenol		0.03		<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
Phenacetin				<0.2	<0.19	<0.19		<0.87	<0.17	<0.2	<0.18	<0.21	<0.18
Phenanthrene		210		<0.059	0.067	0.69		<0.25	0.23	<0.058	<0.053	<0.062	2.3
Phenol		100		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2-Picoline				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Pronamide				<0.059	<0.055	<0.055		<0.25	<0.051	<0.058	<0.053	<0.062	<0.053
Pyrene		4200		<0.059 O1	0.097	0.47		<0.25	0.2	<0.058	<0.053	<0.062	3.4
Pyridine		---		<0.2	<0.19	<0.19		<0.17	<0.17	<0.2	<0.18	<0.21	<0.18
Safrole				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
1,2,4,5-Tetrachlorobenzene				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,3,4,6-Tetrachlorophenol				<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
1,2,4-Trichlorobenzene		5		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,4,5-Trichlorophenol		270		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
2,4,6-Trichlorophenol		0.2		<0.059	<0.055	<0.055		<0.051	<0.051	<0.058	<0.053	<0.062	<0.053
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
alpha-BHC		0.0005		<0.0023	<0.0021	<0.0024		<0.0021	<0.42 J1	<0.0024	<0.0023	<0.0026	<0.0021
beta-BHC				<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
delta-BHC				<0.0057 J7	<0.0052 J7, O1	<0.006 J7		<0.0053 O1, J7	<1 J7, J1	<0.0061 J7	<0.0057	<0.0064	0.0088 J7, O1
gamma-BHC		0.009		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
alpha-Chlordane		10		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1260-21 SB-64 (6-8) Soil 8/23/2023 12:45 PM 82.7821	23H1261-02 SB-65 (1-3) Soil 8/23/2023 12:57 PM 88.92989	23H1261-04 SB-65 (7-12) Soil 8/23/2023 1:43 PM 82.6291	23H1261-03 SB-65 (15.5-16) Soil 8/23/2023 2:08 PM 86.31476	23H1260-20 SB-66 (0-2) Soil 8/23/2023 1:25 PM 89.90654	23H1260-22 SB-66 (7-9) Soil 8/23/2023 1:35 PM 94.1349	23H1261-05 SB-66 (10-12) Soil 8/23/2023 1:45 PM 79.88451	23H1261-15 SB-67 (3-5) Soil 8/23/2023 3:33 PM 87.32261	23H1261-16 SB-67 (10-12) Soil 8/23/2023 3:49 PM 76.85371	23H1261-06 SB-68 (3-5) Soil 8/23/2023 2:15 PM 87.29227
pH - Standard Units													
pH				8.5 I, Q	8.7 I, Q	9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q
gamma-Chlordane		10		<0.0057	<0.0052 O1	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Dieldrin		0.004		<0.0023	<0.0021 O1	<0.0024		<0.0021	<0.42 J1	<0.0024	<0.0023	<0.0026	<0.0021 O1
p,p'-DDT		32		<0.0057	0.0092	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
p,p'-DDD		16		<0.0057	<0.0052	<0.006		0.0081	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
p,p'-DDE		54		<0.0057	0.031	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Endosulfan I		18		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Endosulfan II				<0.0057	<0.0052	<0.006		0.013	<1 J1	<0.0061	<0.0057	<0.0064	0.023
Endosulfan sulfate				<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Endrin		1		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Endrin aldehyde				<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Endrin ketone				<0.0057 O1	<0.0052 O1	<0.006 O1		<0.0053 O1	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053 O1
Heptachlor		23		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Heptachlor epoxide		0.7		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Methoxychlor		160		<0.0057	<0.0052	<0.006		<0.0053	<1 J1	<0.0061	<0.0057	<0.0064	<0.0053
Toxaphene		31		<0.11	<0.1	<0.12		<0.11	<21 J1	<0.12	<0.11	<0.13	<0.11
Aroclor 1016				<0.011	<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011
Aroclor 1221				<0.011	<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011
Aroclor 1232				<0.011	<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011
Aroclor 1242				<0.011	<0.01	<0.012		<0.011	<2.1 J1	<0.012	<0.011	<0.013	<0.011
Aroclor 1248				<0.011 J5	<0.01 J5	<0.012 J5		<0.011 J5	<2.1 J5, J1	<0.012 J5	<0.011	<0.013	<0.011 J6
Aroclor 1254				<0.011	0.16	0.06		5.1	120	0.17	0.57	<0.013	23
Aroclor 1260				<0.011	<0.01	<0.012		<0.011	<2.1	0.088		<0.013	<0.011
PCB, Total								5.1	1.2				23
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.5 I, Q	8.7 I, Q	9.4 I, Q	8.9 I, Q	8.4 I, Q	8.6 I, Q	8.6 I, Q	8.0 I, Q	8.5 I, Q	9.3 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L)	Lab Sample #	23H1261-07	23I0395-07	23I0395-08	23H1261-08	23H1261-09	23H1261-10	23H1261-12	23H1261-17	23H1261-13	23H1261-14
			Sample Name	SB-68 (9-11)	SB-69 (5-7)	SB-69 (10-12)	SB-70 (0-2) D	SB-70 (0-2)	SB-70 (5-7)	SB-70 (10-12)	SB-71 (3-5)	SB-72 (9-11) MS/MSD	SB-72 (5-7)
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Date sampled	8/23/2023	9/12/2023	9/12/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	2:25 PM	11:55 AM	12:00 PM	2:55 PM	2:55 PM	2:40 PM	2:50 PM	4:15 PM	3:35 PM	3:25 PM
		Class I	% Solids	86.16601	81.53242	84.26641	93.84921	93.78698	94.0622	89.00883	87.5121	85.31935	82.03704
pH - Standard Units													
pH				9.1 I, Q	8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		12000	10900	13600	9350	11300	21700	6240	11100	9520	17600
Antimony	all	5		<0.010	0.023	<0.010	0.028	0.057	0.076	<0.010	0.038	<0.010	0.186
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31			<0.010 B1, J7			<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7			
	8.25 to 8.74	32				<0.010 B1, J7	<0.010 B1, J7				<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7
	8.75 to 9.0	33											
	9.0+	--		<0.010 B1, J7									
Barium	6.25 to 6.64	1500		0.523	1.45	0.325	0.582	0.679	0.471	0.364	1.02	0.363	0.44
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	<0.001	<0.001	0.001	0.002	<0.001	0.004	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		<58.0 I	238	24.7	455	734	3550	<56.2	349	<58.6	<244
Cadmium	**6.25 to 6.4**	5.2		<0.003 B2	0.169 B2	<0.003 B2	0.120 B2	0.275 B2	0.632 B2	0.022 B2	0.211 B2	<0.003 B2	1.05 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		50700	109000	70800	92500	75800	41100	85000	68900	114000	29000
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		8.81	9.2	10.5	12	17.3	52.1	9.51	17.5	6.27	16.5
Copper	**6.25 to 6.64**	59,000		20.7 I	750	18.2	1920	3390	9230	29.8	7620	21.5	13700
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.031	0.066 V	<0.034 V	0.032	<0.032 J3	0.047	<0.034	0.055	<0.034	<0.037
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		20800	20600	20900	33400	44600	134000	20200	43700	15500	68500
Lead	**6.25 to 6.64**	--		0.020 V	4.17	<0.005	1.96	14.1	26.3	0.439	44.5	0.008 V	
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											126
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		28900	53800	32800	42600	37500	23100	44700	30000	51200	7470
Manganese	**NRO**	1,924		506	688	419	1340	1400	4410	477	1260	869	1220
Mercury	**6.25 to 6.64**	0.89		0.02	0.05	0.01	0.13	0.13 J3	0.27	0.04	0.1	0.01	0.23
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.017	0.081	0.006	0.062	0.1	0.237	0.026	0.186	0.013	0.094
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		2480	2090	4520	1870	1710	1750	2180	1240	3410	2450
Selenium	**6.25 to 6.64**	6.3		0.025 J6	0.042 J6	0.025 J6	0.037 J6	<0.025 J5	<0.025 J5	<0.025 J5	0.035 J6	<0.025 J5	0.035 J6

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601	23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704
pH - Standard Units													
pH				9.1 I, Q	8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		0.003	0.003	0.005	<0.003	<0.003	0.004	<0.003	<0.003	0.003	0.014
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		1960	1540	316	2020	3950	16100	242	3140	325	2380
Strontium	**NRO**	NRO		27.0 J3	76.4	50.2	41.8	46.1	63.7	37.4	72.7	48.6	125
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		<0.025	77.6	<0.025	64.7	219	257	7.7	70	0.055	137
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.028	<0.0057	<0.005	<0.0048	<0.0046	0.0052	0.01	<0.0049	0.0071	<0.0061
Benzene		0.03		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromobenzene		0.86		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromochloroethene													
Bromochloromethane				<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromodichloromethane		0.6		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromoform		0.8		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Bromomethane		0.2		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
2-Butanone (MEK)		17		0.0057	<0.0057	<0.005	<0.0048	<0.0046	<0.0043	<0.0053	<0.0049	<0.0055	<0.0061
Carbon Disulfide		32		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Carbon tetrachloride		0.07		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chlorobenzene		1		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chloroethane		---		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chloroform		0.6		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Chloromethane		---		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Dibromochloromethane		0.4		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2-Dibromoethane				<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Dibromomethane				<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1-Dichloroethane		23		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2-Dichloroethane		0.02		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1-Dichloroethene				<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
cis-1,2-Dichloroethene		0.4		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
trans-1,2-Dichloroethene		0.7		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1-Dichloropropene				<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2-Dichloropropane		0.03		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,3-Dichloropropane		1000		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
2,2-Dichloropropane				<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
cis-1,3-Dichloropropene		0.004		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
trans-1,3-Dichloropropene		0.004		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Ethylbenzene		13		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
2-Hexanone (MBK)		0.16		<0.002	<0.0023	<0.002	<0.0019	<0.0046	<0.0043	<0.0021	<0.002	0.0044	0.0024
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Methylene Chloride		0.02		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Methyl tert-butyl ether		0.32		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
4-Methyl-2pentanone (MIBK)		---		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	0.0024	<0.0024
Stryene		4		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Tetrachloroethene		0.06		<0.002	<0.0023	<0.002	<0.0019	0.003	<0.0017	<0.0021	0.0022	0.0028	0.0024
Trichlorofluoromethane		34		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017				
Toluene		12		0.002	0.0036	<0.002	<0.0019	0.0021	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,1-Trichloroethane		2		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,2-Trichloroethane		0.02		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,2,3-Trichloropropane		0.000017		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,1,2-Tetrachloroethane		3.2		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
1,1,2,2-Tetrachloroehtane		3.3		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Trichloroethene		0.06		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Vinyl chloride		0.01		<0.002	<0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0021	<0.002	<0.0022	<0.0024
Xylenes, Total		150		<0.002	<0.0023	<0.002	<0.0019	0.0024	0.0022	<0.0021	0.0023	0.0044	0.0029
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Acenaphthylene		85		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Acetophenone				<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Anthracene		12000		<0.05	<0.06 J3	<0.059	<0.053	<0.052	0.075	<0.049	0.052	<0.056	0.11
Azobenzene				<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Benzo(a)anthracene		2		<0.05	<0.06 J3	<0.059	0.064	<0.052	0.15	<0.049	0.24 J1	<0.056	0.2
Benzo(b)fluoranthene		5		<0.05	<0.06 J3	<0.059	0.084	<0.052	0.16	<0.049	0.29	<0.056	0.24

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601	23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704
pH - Standard Units												
pH			9.1 I, Q	8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q
Benzo(k)fluoranthene	49		<0.05	<0.06 J3	<0.059	<0.053	<0.052	0.069	<0.049	0.081	<0.056	0.085
Benzo(g,h,i)perylene	27000		<0.05	<0.06 J3	<0.059	<0.053	<0.052	0.054	<0.049	0.14	<0.056	0.06
Benzo(a)pyrene	8		<0.05	<0.06 J3	<0.059	0.063	<0.052	0.12	<0.049	0.21	<0.056	0.14
Bis(2-chloroethyl)ether	0.0004		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Bis(2-chloroethoxy)methane			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Bis(2-ethylhexyl)phthalate	3600		<0.17	<0.2 J3	<0.2	<0.18 O1	<0.18 O1	<0.16 O1	<0.17 O1	<0.17 J1, O1	<0.19 O1	<0.19 O1
4-Bromophenyl phenyl ether			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Butyl benzyl phthalate	930		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05 J1	<0.056	<0.057
Carbazole	0.6		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Chloro-3-methylphenol			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Chloroaniline	0.7		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1-Chloronaphthalene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Chloronaphthalene	49		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Chlorophenol	4		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Chlorophenyl phenyl ether			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Chrysene	160		<0.05	<0.06 J3	<0.059	0.078	<0.052	0.17	<0.049	0.47 J1	<0.056	0.29
1,2-Dichlorobenzene	17		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,3-Dichlorobenzene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,4-Dichlorobenzene	2		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4-Dichlorophenol	1		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Di-n-butyl phthalate	2300		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Di-n-octyl phthalate	10000		<0.17 O1	<0.2 J3	<0.2	<0.18 O1	<0.18 O1	<0.16 O1	<0.17 O1	<0.17 O1	<0.19 O1	<0.19 O1
1,2-Dinitrobenzene			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
1,3-Dinitrobenzene	0.0037		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
1,4-Dinitrobenzene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,6-Dinitrotoluene	0.0007		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4-Dinitrophenol	0.2		<0.17	<0.2 J3	<0.2	<0.18 J3	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
2,4-Dinitrotoluene	0.0008		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Dibenz(a,h)anthracene	2		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Dibenzofuran	3		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.068	<0.056	0.065
3,3'-Dichlorobenzidine	0.007		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05 J1	<0.056	<0.057
2,6-Dichlorophenol			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Diethyl phthalate	470		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Dimethyl phthalate	380		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
p-Dimethylaminoazobenzene			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17 J1	<0.19	<0.19
7,12-Dimethylbenzo(a)anthracene			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
2,4-Dimethylphenol	9		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4,6-Dinitro-2-methylphenol			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Diphenylamine	20		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Fluoranthene	4300		<0.05	<0.06 J3	<0.059	0.1	<0.052	0.32	<0.049	0.27	<0.056	0.47
Fluorene	560		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachlorobenzene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachlorobutadiene	2.2		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachlorocyclopentadiene			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Hexachloroethane	0.5		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Hexachloropropene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Indeno(1,2,3-cd)pyrene	14		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Isodrin			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Isophorone	8		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Isosafrole			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Mestranol			<0.17 J5, O1	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Ethyl methanesulfonate			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Methyl methanesulfonate			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Methylnaphthalene	1.9		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.3	<0.056	0.094
2-Methylphenol	15		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Methylphenol	3.9		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Naphthalene	12		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	0.18	<0.056	0.11
1-Naphthylamine			<0.17 O2	<0.2 J3	<0.2	<0.18 J3, O2	<0.18 O2	<0.16 O2	<0.17 O2	<0.17 O2	<0.19 O2	<0.19 O2
2-Naphthylamine			<0.17	<0.2 J3	<0.2	<0.18 J3	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
5-Nitroacenaphthene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Nitroaniline	0.7		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
3-Nitroaniline			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Nitroaniline	0.14		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Nitrobenzene	0.1		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
4-Nitrobiphenyl			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
2-Nitrophenol			<0.17	<0.2 J3	<0.2	<0.18 J5	<0.18 J5	<0.16 J5	<0.17 J5	<0.17 J5	<0.19 J5	<0.19 J5
4-Nitrophenol	---		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
N-Nitrosodi-n-butylamine			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
N-Nitrosodi-n-propylamine	0.00005		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
N-Nitrosopiperidine			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,2'-Oxybis (1-chloropropane)			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pentachlorobenzene	31		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pentachloronitrobenzene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pentachlorophenol	0.03		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Phenacetin			<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Phenanthrene	210		<0.05	<0.06 J3	<0.059	0.06	<0.052	0.36	<0.049	0.79	<0.056	0.8
Phenol	100		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2-Picoline			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pronamide			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pyrene	4200		<0.05	<0.06 J3	<0.059	0.1	<0.052	0.27	<0.049	0.49 J1	<0.056	0.42
Pyridine	---		<0.17	<0.2 J3	<0.2	<0.18	<0.18	<0.16	<0.17	<0.17	<0.19	<0.19
Safrole			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,2,4,5-Tetrachlorobenzene			<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,3,4,6-Tetrachlorophenol			<0.05	<0.06 J3	<0.059	<0.053 J3	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
1,2,4-Trichlorobenzene	5		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4,5-Trichlorophenol	270		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
2,4,6-Trichlorophenol	0.2		<0.05	<0.06 J3	<0.059	<0.053	<0.052	<0.046	<0.049	<0.05	<0.056	<0.057
Pesticides/PCBs - mg/kg or mg/L												
Aldrin	0.5		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
alpha-BHC	0.0005		<0.0023	<0.0023	<0.0022	<0.0021	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0024
beta-BHC			<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
delta-BHC			<0.0057 J7, O1	<0.0057 O1	<0.0056 O1	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
gamma-BHC	0.009		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
alpha-Chlordane	10		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23H1261-07 SB-68 (9-11) Soil 8/23/2023 2:25 PM 86.16601	23I0395-07 SB-69 (5-7) Soil 9/12/2023 11:55 AM 81.53242	23I0395-08 SB-69 (10-12) Soil 9/12/2023 12:00 PM 84.26641	23H1261-08 SB-70 (0-2) D Soil 8/23/2023 2:55 PM 93.84921	23H1261-09 SB-70 (0-2) Soil 8/23/2023 2:55 PM 93.78698	23H1261-10 SB-70 (5-7) Soil 8/23/2023 2:40 PM 94.0622	23H1261-12 SB-70 (10-12) Soil 8/23/2023 2:50 PM 89.00883	23H1261-17 SB-71 (3-5) Soil 8/23/2023 4:15 PM 87.5121	23H1261-13 SB-72 (9-11) MS/MSD Soil 8/23/2023 3:35 PM 85.31935	23H1261-14 SB-72 (5-7) Soil 8/23/2023 3:25 PM 82.03704
pH - Standard Units													
pH				9.1 I, Q	8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q
gamma-Chlordane		10		<0.0057 O1	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Dieldrin		0.004		<0.0023 O1	0.0026	<0.0022	<0.0021	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0024
p,p'-DDT		32		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
p,p'-DDD		16		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	0.017	<0.0058	<0.006
p,p'-DDE		54		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endosulfan I		18		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Endosulfan II				<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endosulfan sulfate				<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endrin		1		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Endrin aldehyde				<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Endrin ketone				<0.0057 O1	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	0.017	<0.0058	<0.006
Heptachlor		23		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Heptachlor epoxide		0.7		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053 J3	<0.0056	<0.0057	<0.0058	<0.006
Methoxychlor		160		<0.0057	<0.0057	<0.0056	<0.0053	<0.0053	<0.0053	<0.0056	<0.0057	<0.0058	<0.006
Toxaphene		31		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12
Aroclor 1016				<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1221				<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1232				<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1242				<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1248				<0.011 J5	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012
Aroclor 1254				0.019	0.041	<0.011	<0.011	0.11	0.04	<0.011	5.7	<0.012	<0.012
Aroclor 1260				<0.011	0.016	<0.011	<0.011	<0.011	<0.011	<0.011	2.9	<0.012	<0.012
PCB, Total											8.6		
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				9.1 I, Q	8.0 I, Q	8.4 I, Q	8.3 I, Q	8.2 I, Q	8.1 I, Q	8.1 I, Q	8.5 I, Q	8.6 I, Q	8.4 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028	23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM
pH - Standard Units													
pH				8.3 I, Q	8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q	
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		9870	5170	19800	23500	18800	12500	18500	8900	12500	
Antimony	all	5		<0.010	0.111	0.062	0.063	0.014	0.015	<0.010	0.023	<0.010	
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31			<0.010 B1, J7	<0.010 B1, J7					<0.010 B1, J7		
	8.25 to 8.74	32		<0.010 B1, J3, J7				<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7			
	8.75 to 9.0	33					<0.010 B1, J7						
	9.0+	--										<0.010 B1, J7	
Barium	6.25 to 6.64	1500		0.425	0.754	2.15	1.15	0.838	0.813	0.628	0.248	0.571	
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS			47.8	853	280	23.1	28.8	417	235	36.5	
Cadmium	**6.25 to 6.4**	5.2		<0.005 B2	0.616 B2	0.541 B2	0.494 B2	0.154 B2	0.110 B2	<0.005 B2	0.229 B2	0.006 B2	
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		102000	141000	37200	43900	14200	76900	45800	60700	81300	
Chromium	**NS**	NS		<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		8.04 I	4.98	26.3	18.7	15.3	10.3	21.9	10.6	8.93	
Copper	**6.25 to 6.64**	59,000		19.2 I, J3	1490	8880	10300	78.5	154	12300	2230	64	
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		<0.031 J3, V	0.145 J3, V	<0.035 V	<0.033 V	<0.032 V	<0.032 V	0.101 V	<0.031 V	<0.034 V	
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		15900 I	10900	75300	97900	29500	20800	75500	40300	19800	
Lead	**6.25 to 6.64**	--		0.018	7.73	22.8	26	1.75	1.28	0.037	5.47	0.066	
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		52600	67900	17300	18500	10200	36500	21200	28000	38400	
Manganese	**NRO**	1,924		592	428	1560	1520	382	538	1830	809	489	
Mercury	**6.25 to 6.64**	0.89		0.02	0.08 J3		0.76	0.04	0.22	0.44	0.16	0.02	
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8				1.05							
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.006	0.314	0.255	0.213	0.068	0.064	0.087	0.076	0.083	
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		3550	1520	2380	2960	3240	3930	2250	1630	4540	
Selenium	**6.25 to 6.64**	6.3		<0.025 J3, J5	0.033 J6, V	0.027 J6, V	0.048 J6, V	0.027 J6, V	0.028 J6, V	0.027 J6, V	<0.025 J5	<0.025 J5	

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028	23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM
pH - Standard Units													
pH				8.3 I, Q	8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q	
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		0.004	<0.003	0.003	0.003	0.005	0.004	0.006	0.005	<0.003	
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		268	635	4800	3270	<223	335	5830	1270	596	
Strontium	**NRO**	NRO		44.7 J3	75.2	87.5	130	19.6	45.4	120	49.4	56.5	
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.010 B1	
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Zinc	**6.25 to 6.64**	5100		0.149 I	454	213	235	37.2	29.2	0.625	66.7	2.36	
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0044	<0.0052	<0.0056	0.024	<0.0045	<0.0052	<0.0045	0.01		<0.0038
Benzene		0.03		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Bromobenzene		0.86		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Bromochloroethene													
Bromochloromethane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Bromodichloromethane		0.6		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Bromoform		0.8		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Bromomethane		0.2		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
2-Butanone (MEK)		17		<0.0044	<0.0052	<0.0056	<0.0047	<0.0045	<0.0052	<0.0045	<0.0044		<0.0038
Carbon Disulfide		32		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Carbon tetrachloride		0.07		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Chlorobenzene		1		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Chloroethane		---		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Chloroform		0.6		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Chloromethane		---		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Dibromochloromethane		0.4		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,2-Dibromoethane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Dibromomethane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1-Dichloroethane		23		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,2-Dichloroethane		0.02		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1-Dichloroethene				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
cis-1,2-Dichloroethene		0.4		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
trans-1,2-Dichloroethene		0.7		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1-Dichloropropene				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,2-Dichloropropane		0.03		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,3-Dichloropropane		1000		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
2,2-Dichloropropane				<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
cis-1,3-Dichloropropene		0.004		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
trans-1,3-Dichloropropene		0.004		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Ethylbenzene		13		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
2-Hexanone (MBK)		0.16		0.0031	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Methylene Chloride		0.02		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Methyl tert-butyl ether		0.32		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
4-Methyl-2pentanone (MIBK)		---		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Stryene		4		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Tetrachloroethene		0.06		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Trichlorofluoromethane		34		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Toluene		12		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1,1-Trichloroethane		2		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1,2-Trichloroethane		0.02		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,2,3-Trichloropropane		0.000017		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1,1,2-Tetrachloroethane		3.2		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
1,1,2,2-Tetrachloroehtane		3.3		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Trichloroethene		0.06		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Vinyl chloride		0.01		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Xylenes, Total		150		<0.0018	<0.0021	<0.0022	<0.0019	<0.0018	<0.0021	<0.0018	<0.0018		<0.0015
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Acenaphthylene		85		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Acetophenone				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Anthracene		12000		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Azobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Benzo(a)anthracene		2		<0.055	0.11	0.2	0.13	0.067	0.079	<0.057	0.068	<0.054	
Benzo(b)fluoranthene		5		<0.055	0.14	0.28	0.16	0.12	0.12	<0.057	0.099	<0.054	

IEPA TACO TABLE

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pH - Standard Units													
pH				8.3 I, Q	8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q	
Benzo(k)fluoranthene		49		<0.055	<0.06	0.097	0.057	<0.056	<0.054	<0.057	<0.054	<0.054	
Benzo(g,h,i)perylene		27000		<0.055	0.066	0.1	0.064	0.057	<0.054	<0.057	<0.054	<0.054	
Benzo(a)pyrene		8		<0.055	0.095	0.19	0.11	0.081	0.086	<0.057	0.069	<0.054	
Bis(2-chloroethyl)ether		0.0004		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Bis(2-chloroethoxy)methane				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Bis(2-ethylhexyl)phthalate		3600		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
4-Bromophenyl phenyl ether				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Butyl benzyl phthalate		930		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Carbazole		0.6		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4-Chloro-3-methylphenol				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4-Chloroaniline		0.7		<0.055	<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
1-Chloronaphthalene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2-Chloronaphthalene		49		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2-Chlorophenol		4		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4-Chlorophenyl phenyl ether				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Chrysene		160		<0.055	0.17	0.28	0.18	0.091	0.1	<0.057	0.094	<0.054	
1,2-Dichlorobenzene		17		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
1,3-Dichlorobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
1,4-Dichlorobenzene		2		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,4-Dichlorophenol		1		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Di-n-butyl phthalate		2300		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Di-n-octyl phthalate		10000		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
1,2-Dinitrobenzene				<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
1,3-Dinitrobenzene		0.0037		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
1,4-Dinitrobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,6-Dinitrotoluene		0.0007		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,4-Dinitrophenol		0.2		<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
2,4-Dinitrotoluene		0.0008		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Dibenz(a,h)anthracene		2		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Dibenzofuran		3		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
3,3'-Dichlorobenzidine		0.007		<0.055	<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,6-Dichlorophenol				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Diethyl phthalate		470		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Dimethyl phthalate		380		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
p-Dimethylaminoazobenzene				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
2,4-Dimethylphenol		9		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4,6-Dinitro-2-methylphenol				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Diphenylamine		20		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Fluoranthene		4300		<0.055	0.23	0.41	0.27	0.13	0.18	<0.057	0.15	<0.054	
Fluorene		560		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Hexachlorobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Hexachlorobutadiene		2.2		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Hexachlorocyclopentadiene				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18 J3	
Hexachloroethane		0.5		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Hexachloropropene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Indeno(1,2,3-cd)pyrene		14		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Isodrin				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Isophorone		8		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Isosafrole				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Mestranol				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Ethyl methanesulfonate				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Methyl methanesulfonate				<0.055	<0.06 J3	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2-Methylnaphthalene		1.9		<0.055	0.079	0.084	0.065	<0.056	<0.054	<0.057	<0.054	<0.054	
2-Methylphenol		15		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4-Methylphenol		3.9		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Naphthalene		12		<0.055	0.11	0.081	0.071	<0.056	<0.054	<0.057	<0.054	<0.054	
1-Naphthylamine				<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
2-Naphthylamine				<0.19	<0.2 J3	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
5-Nitroacenaphthene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2-Nitroaniline		0.7		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
3-Nitroaniline				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4-Nitroaniline		0.14		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Nitrobenzene		0.1		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
4-Nitrobiphenyl				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
2-Nitrophenol				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18 J5	
4-Nitrophenol		---		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
N-Nitrosodi-n-butylamine				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
N-Nitrosodi-n-propylamine		0.00005		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
N-Nitrosopiperidine				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,2'-Oxybis (1-chloropropane)				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Pentachlorobenzene		31		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Pentachloronitrobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Pentachlorophenol		0.03		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Phenacetin				<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Phenanthrene		210		<0.055	0.37	0.47	0.35	0.059	0.12	<0.057	0.14	<0.054	
Phenol		100		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2-Picoline				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Pronamide				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Pyrene		4200		<0.055	0.21	0.38	0.25	0.1	0.13	<0.057	0.11	<0.054	
Pyridine		---		<0.19	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.18	<0.18	
Safrole				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
1,2,4,5-Tetrachlorobenzene				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,3,4,6-Tetrachlorophenol				<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
1,2,4-Trichlorobenzene		5		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,4,5-Trichlorophenol		270		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
2,4,6-Trichlorophenol		0.2		<0.055	<0.06	<0.057	<0.056	<0.056	<0.054	<0.057	<0.054	<0.054	
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
alpha-BHC		0.0005		<0.0022	<0.0024	<0.0023	<0.0022 J1	<0.0022	<0.0022	<0.0023	<0.0022	<0.0023	
beta-BHC				<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
delta-BHC				<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
gamma-BHC		0.009		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
alpha-Chlordane		10		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0313-01 SB-73 (1-3) Soil 9/11/2023 12:45 PM 90.57692	23I0313-02 SB-73 (12-14) Soil 9/11/2023 1:10 PM 83.44308	23I0313-03 SB-74 (2-4) Soil 9/11/2023 1:45 PM 88.28654	23I0313-04 SB-75 (2-4) Soil 9/11/2023 2:25 PM 88.90977	23I0313-06 SB-76 (1-3) Soil 9/11/2023 2:55 PM 88.02817	23I0313-07 SB-76 (1-3) D Soil 9/11/2023 2:55 PM 90.40836	23I0313-08 SB-76 (14-16) Soil 9/11/2023 3:40 PM 87.33459	23I0313-09 SB-77 (5-7) Soil 9/11/2023 4:10 PM 91.90244	23I0395-01 SB-77 (14-16) Soil 9/11/2023 4:40 PM 86.76028	23I0313-10 SB-77 (14-16) Soil 9/11/2023 4:40 PM
pH - Standard Units													
pH				8.3 I, Q	8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q	
gamma-Chlordane		10		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Dieldrin		0.004		<0.0022	<0.0024 J3	<0.0023	<0.0022 J1	<0.0022	<0.0022	<0.0023	<0.0022	<0.0023	
p,p'-DDT		32		<1.1	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
p,p'-DDD		16		<1.1	0.007 J3	0.0076	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
p,p'-DDE		54		2.6	0.019 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Endosulfan I		18		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Endosulfan II				<0.0054	<0.0059 J3	<0.0056	0.0089 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Endosulfan sulfate				<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Endrin		1		<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Endrin aldehyde				<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Endrin ketone				<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Heptachlor		23		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Heptachlor epoxide		0.7		<0.0054	<0.0059 J3	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Methoxychlor		160		<0.0054	<0.0059	<0.0056	<0.0055 J1	<0.0055	<0.0054	<0.0057	<0.0054	<0.0057	
Toxaphene		31		<0.11	<0.12	<0.11	<0.11 J1	<0.11	<0.11	<0.11	<0.11	<0.11	
Aroclor 1016				<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011	
Aroclor 1221				<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011	
Aroclor 1232				<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011	
Aroclor 1242				<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011	
Aroclor 1248				<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011 J3	<0.011	
Aroclor 1254				<0.011	0.36 I	7.1	2	0.035	0.031	<0.011	<0.011	0.025	
Aroclor 1260				<0.011	<0.012 I	<0.011 I	<0.011 I, J1	<0.011	<0.011	<0.011	<0.011	<0.011	
PCB, Total						7.1	2						
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.3 I, Q	8.0 I, Q	8.2 I, Q	8.9 I, Q	8.4 I, Q	8.4 I, Q	8.7 I, Q	8.0 I, Q	9.0 I, Q	

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461
pH - Standard Units													
pH				8.9 I, Q	8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q	9.9 I, Q	9.7 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		976	12500	5660	11500	9430	12800	46100	9120	9280	10200
Antimony	all	5		0.098	<0.010	0.119	<0.010	<0.010	<0.010	0.099	<0.010	0.06	0.026
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30											
	7.75 to 8.24	31					<0.010 B1, J7						
	8.25 to 8.74	32			<0.010 B1, J7	<0.010 J7, B1		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7			
	8.75 to 9.0	33		<0.010 B1, J7							<0.010 B1, J7		
	9.0+	--										<0.010 B1, J7	<0.010 B1, J7
Barium	6.25 to 6.64	1500		0.798	0.647	0.786	0.734	0.413	0.425	1.54	0.48	3.58	0.806
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		78.7	27.2	9.32	20.1	20.8	24.4	201	30.0 I, J3	59.6	41.3
Cadmium	**6.25 to 6.4**	5.2		0.108 B2	0.004 B2	0.493 B2	0.003 B2	0.005 B2	<0.005 B2	0.430 B2	0.019 B2	0.259 B2	0.140 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		29100	83500	114000	72800	46000	68500	46100	93400	20500	30500
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		2.05	9.88	6.9	10.6	7.84	8.14	69.6	12.2 I	9.18	10.2
Copper	**6.25 to 6.64**	59,000		2010	239	16.7	19.2	70.4	30.9	16100	45.4 I	6990	1110
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.701 V	<0.032 V	0.091 V	<0.034 V	0.073 V	<0.035 V	<0.036 V	<0.035 V	0.259	0.035 V
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		3270	17800	14800	18600	19900	20800	214000	17300 I	36400	21300
Lead	**6.25 to 6.64**	--		36.9	0.075	15	0.007	0.015	0.013	102	0.009	26.5	2.03
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		1470	38000	53800	35100	21600	33100	6560	36400	8460	16200
Manganese	**NRO**	1,924		457	493	486	510	1300	457	2620	703 I	700	371
Mercury	**6.25 to 6.64**	0.89		0.11	0.02	0.03	0.01	0.09	0.02	0.08	0.03 J3	0.67 J3	0.1
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.109	0.109	0.768	0.034	0.009	0.008	0.143	0.01	0.115	0.041
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		<339	4370	1260	3570	2240	3950	5370	3100	1420	2020
Selenium	**6.25 to 6.64**	6.3		0.041 J6	0.028 J6	0.036 J6	<0.025 J5	<0.025 J5	0.032 J6, V	0.037 J6, V	<0.025 J5	0.027 J6	0.032 J6

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461
pH - Standard Units													
pH				8.9 I, Q	8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q	9.9 I, Q	9.7 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		<0.003	0.005	<0.003	0.005	0.005	0.004	<0.003	0.006	<0.003	<0.003
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		435	344	376	263	382	436	11200	293	1140	1570
Strontium	**NRO**	NRO		206	63.2	40	44.6	28.3	43	168	53.9 I	74	50.4
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	**6.25 to 6.64**	5100		101	1.36	624	0.15	0.599	0.157	80.9	0.752	68.3	60.9
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		<0.0088	<0.0043	0.01	<0.005	<0.0041	<0.0046	0.0084	<0.0045	<0.0058	<0.0053
Benzene		0.03		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Bromobenzene		0.86		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Bromochloroethene													
Bromochloromethane				<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Bromodichloromethane		0.6		<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Bromoform		0.8		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Bromomethane		0.2		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
2-Butanone (MEK)		17		<0.0088	<0.0043	<0.0051	<0.005	<0.0041	<0.0046	<0.005	<0.0045	<0.0058	<0.0053
Carbon Disulfide		32		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Carbon tetrachloride		0.07		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Chlorobenzene		1		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Chloroethane		---		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Chloroform		0.6		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Chloromethane		---		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Dibromochloromethane		0.4		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,2-Dibromoethane				<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Dibromomethane				<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,1-Dichloroethane		23		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,2-Dichloroethane		0.02		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,1-Dichloroethene				<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
cis-1,2-Dichloroethene		0.4		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
trans-1,2-Dichloroethene		0.7		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,1-Dichloropropene				<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,2-Dichloropropane		0.03		<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,3-Dichloropropane		1000		<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
2,2-Dichloropropane				<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
cis-1,3-Dichloropropene		0.004		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
trans-1,3-Dichloropropene		0.004		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Ethylbenzene		13		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
2-Hexanone (MBK)		0.16		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	0.0035	<0.0021
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Methylene Chloride		0.02		<0.0035	<0.0017	<0.002	<0.002	<0.0016	0.0018	<0.002	<0.0018	<0.0023	<0.0021
Methyl tert-butyl ether		0.32		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
4-Methyl-2pentanone (MIBK)		---		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Stryene		4		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Tetrachloroethene		0.06		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Trichlorofluoromethane		34		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Toluene		12		<0.0035	<0.0017	0.0043	0.0038	0.0041	0.0033	0.0037	<0.0018	<0.0023	<0.0021
1,1,1-Trichloroethane		2		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,1,2-Trichloroethane		0.02		<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,2,3-Trichloropropane		0.000017		<0.0035	<0.0017 J3	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,1,1,2-Tetrachloroethane		3.2		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
1,1,2,2-Tetrachloroehtane		3.3		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	0.011	<0.0021
Trichloroethene		0.06		0.016	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Vinyl chloride		0.01		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Xylenes, Total		150		<0.0035	<0.0017	<0.002	<0.002	<0.0016	<0.0018	<0.002	<0.0018	<0.0023	<0.0021
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	0.16	<0.059
Acenaphthylene		85		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Acetophenone				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Anthracene		12000		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	0.088	<0.057	0.26	0.083
Azobenzene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Benzo(a)anthracene		2		0.16	<0.058	<0.06	<0.058	0.089	<0.055	0.18	<0.057 J1	0.29	0.11
Benzo(b)fluoranthene		5		0.25	<0.058	<0.06	<0.058	0.17	<0.055	0.23	<0.057	0.28	<0.059

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461
pH - Standard Units													
pH				8.9 I, Q	8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q	9.9 I, Q	9.7 I, Q
Benzo(k)fluoranthene		49		0.088	<0.058	<0.06	<0.058	0.066	<0.055	0.089	<0.057	0.12	<0.059
Benzo(g,h,i)perylene		27000		0.14	<0.058	<0.06	<0.058	0.064	<0.055	0.082	<0.057	0.15	<0.059
Benzo(a)pyrene		8		0.18	<0.058	<0.06	<0.058	0.1	<0.055	0.15	<0.057	0.2	<0.059
Bis(2-chloroethyl)ether		0.0004		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Bis(2-chloroethoxy)methane				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Bis(2-ethylhexyl)phthalate		3600		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
4-Bromophenyl phenyl ether				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Butyl benzyl phthalate		930		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Carbazole		0.6		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
4-Chloro-3-methylphenol				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
4-Chloroaniline		0.7		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
1-Chloronaphthalene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2-Chloronaphthalene		49		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2-Chlorophenol		4		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
4-Chlorophenyl phenyl ether				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Chrysene		160		0.27	<0.058	<0.06	<0.058	0.12	<0.055	0.25	<0.057 J1	0.48	0.18
1,2-Dichlorobenzene		17		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
1,3-Dichlorobenzene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
1,4-Dichlorobenzene		2		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2,4-Dichlorophenol		1		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Di-n-butyl phthalate		2300		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Di-n-octyl phthalate		10000		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
1,2-Dinitrobenzene				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
1,3-Dinitrobenzene		0.0037		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
1,4-Dinitrobenzene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2,6-Dinitrotoluene		0.0007		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2,4-Dinitrophenol		0.2		<0.28	<0.2	<0.2	<0.2	<0.19 O2	<0.19 O2	<0.2 O2	<0.19 J1, O2	<0.21 O2	<0.2
2,4-Dinitrotoluene		0.0008		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Dibenz(a,h)anthracene		2		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Dibenzofuran		3		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
3,3'-Dichlorobenzidine		0.007		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2,6-Dichlorophenol				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Diethyl phthalate		470		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Dimethyl phthalate		380		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
p-Dimethylaminoazobenzene				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
7,12-Dimethylbenzo(a)anthracene				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
2,4-Dimethylphenol		9		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
4,6-Dinitro-2-methylphenol				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Diphenylamine		20		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Fluoranthene		4300		0.36	<0.058	<0.06	<0.058	0.19	<0.055	0.39	<0.057	0.54	0.075
Fluorene		560		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	0.19	0.11
Hexachlorobenzene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Hexachlorobutadiene		2.2		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Hexachlorocyclopentadiene				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
Hexachloroethane		0.5		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Hexachloropropene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Indeno(1,2,3-cd)pyrene		14		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Isodrin				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Isophorone		8		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Isosafrole				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Mestranol				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Ethyl methanesulfonate				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Methyl methanesulfonate				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2-Methylnaphthalene		1.9		0.21	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	0.3	0.11
2-Methylphenol		15		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
4-Methylphenol		3.9		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	0.096	<0.057 J1	<0.06	<0.059
Naphthalene		12		0.2	<0.058	<0.06	<0.058	<0.055	<0.055	0.12	<0.057	0.2	<0.059
1-Naphthylamine				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
2-Naphthylamine				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
5-Nitroacenaphthene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
2-Nitroaniline		0.7		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
3-Nitroaniline				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
4-Nitroaniline		0.14		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Nitrobenzene		0.1		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
4-Nitrobiphenyl				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
2-Nitrophenol				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
4-Nitrophenol		---		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
N-Nitrosodi-n-butylamine				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
N-Nitrosodi-n-propylamine		0.00005		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
N-Nitrosopiperidine				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
2,2'-Oxybis (1-chloropropane)				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Pentachlorobenzene		31		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Pentachloronitrobenzene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Pentachlorophenol		0.03		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Phenacetin				<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19	<0.21	<0.2
Phenanthrene		210		0.41	<0.058	0.1	<0.058	0.12	<0.055	0.45	<0.057	0.91	0.36
Phenol		100		0.086	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2-Picoline				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Pronamide				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
Pyrene		4200		0.3	<0.058	<0.06	<0.058	0.16	<0.055	0.36	<0.057 J1	0.98	0.29
Pyridine		---		<0.28	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.19 J1	<0.21	<0.2
Safrole				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
1,2,4,5-Tetrachlorobenzene				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2,3,4,6-Tetrachlorophenol				<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
1,2,4-Trichlorobenzene		5		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057	<0.06	<0.059
2,4,5-Trichlorophenol		270		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
2,4,6-Trichlorophenol		0.2		<0.083	<0.058	<0.06	<0.058	<0.055	<0.055	<0.059	<0.057 J1	<0.06	<0.059
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
alpha-BHC		0.0005		<0.0032	<0.0023	<0.0023	<0.0025	<0.0021	<0.0023	<0.0025	<0.0022	<0.0023	<0.0023
beta-BHC				<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
delta-BHC				0.4	<0.0056	<0.0058	<0.0061 O1	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
gamma-BHC		0.009		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
alpha-Chlordane		10		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0395-03 SB-78 (6-8) Soil 9/12/2023 8:50 AM 57.92507	23I0395-04 SB-78 (13-15) Soil 9/12/2023 9:20 AM 86.27087	23I0395-05 SB-79 (5-7) Soil 9/12/2023 9:55 AM 80.48077	23I0395-06 SB-79 (12-14) Soil 9/12/2023 10:15 AM 80.81003	23I0387-04 SB-80 (1-3) Soil 9/12/2023 2:00 PM 87.91423	23I0387-05 SB-80 (1-3)D Soil 9/12/2023 2:00 PM 85.56985	23I0387-06 SB-80 (8-11) Soil 9/12/2023 2:25 PM 78.37573	23I0394-02 SB-80 (11-12) Soil 9/12/2023 3:00 PM 85.47486	23I0394-03 SB-81 (7-9) Soil 9/12/2023 3:50 PM 78.80725	23I0394-05 SB-81 (10-12) Soil 9/12/2023 4:10 PM 82.28461
pH - Standard Units													
pH				8.9 I, Q	8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q	9.9 I, Q	9.7 I, Q
gamma-Chlordane		10		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Dieldrin		0.004		<0.0032	<0.0023	<0.0023	<0.0025	<0.0021	<0.0023	<0.0025	<0.0022	<0.0023	<0.0023
p,p'-DDT		32		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
p,p'-DDD		16		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
p,p'-DDE		54		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Endosulfan I		18		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Endosulfan II				<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Endosulfan sulfate				<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Endrin		1		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Endrin aldehyde				<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Endrin ketone				0.0095	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Heptachlor		23		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Heptachlor epoxide		0.7		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Methoxychlor		160		<0.0079	<0.0056	<0.0058	<0.0061	<0.0054	<0.0058	<0.0062	<0.0055	<0.0059	<0.0058
Toxaphene		31		<0.16	<0.11	<0.12	<0.12	<0.11	<0.12	<0.12	<0.11	<0.12	<0.12
Aroclor 1016				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
Aroclor 1221				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
Aroclor 1232				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
Aroclor 1242				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
Aroclor 1248				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
Aroclor 1254				93	0.046	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
Aroclor 1260				<0.016	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.012
PCB, Total				93									
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				8.9 I, Q	8.5 I, Q	8.4 I, Q	7.9 I, Q	8.5 I, Q	8.6 I, Q	8.6 I, Q	8.8 I, Q	9.9 I, Q	9.7 I, Q

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249
pH - Standard Units													
pH				11.0 I, Q	10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	7.7 I, Q	8.4 I, Q	10.3 I, Q
Inorganics - mg/kg or mg/L													
Aluminum	NRO	NRO		13900	10500	6040	25000	6720	11800	4400	12100	9580	10400
Antimony	all	5		0.033	0.048	<0.010	<0.010	<0.010	<0.010	<0.010	0.065	<0.010	0.028
Arsenic	6.25 - 6.64	29											
	6.9 to 7.24	29											
	7.25 to 7.74	30									<0.010 B1, I, J7		
	7.75 to 8.24	31					<0.010 B1, J7						
	8.25 to 8.74	32						<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7		<0.010 B1, J7	
	8.75 to 9.0	33											
	9.0+	--		<0.010 B1, J7	<0.010 B1, J7	<0.010 B1, J7							<0.010 B1, J7
Barium	6.25 to 6.64	1500		0.628	0.802	0.343	0.366	0.424	0.472	0.396 I	0.452 I	0.345	0.755
	6.9 to 7.24	1700											
	7.25 to 7.74	1800											
	7.75 to 8.24	2100											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Beryllium	**6.25 to 6.64**	22		0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
	6.9 to 7.24	140											
	7.25 to 7.74	1000											
	7.75 to 8.24	8000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Boron	**NS**	NS		57.5	65.9	64.8	13.8	11.2	22.8	8.21	695	25.4	21.3
Cadmium	**6.25 to 6.4**	5.2		0.086 B2	0.090 B2	<0.003 B2	0.006 B2	<0.003 B2	<0.005 B2	<0.003 B2	0.505 B2, I	0.003 B2	0.112 B2
	6.9 to 7.24	11											
	7.25 to 7.74	59											
	7.75 to 8.24	430											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Calcium	**NS**	NS		92500	71200	79100	5210	98700	89100	50600	62900	91100	68900
Chromium	**NS**	NS		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent	**6.25 to 6.64**	40											
	6.9 to 7.24	36											
	7.25 to 7.74	32											
	7.75 to 8.24	28											
	8.25 to 8.74	24											
	8.75 to 9.0	21											
	9.0+	--											
Cobalt	**NRO**	NRO		11.7	7.94	5.8	21.2	11	7.66	3.2	17.9	8	8.24
Copper	**6.25 to 6.64**	59,000		71	549	16.7	27.2	17.5	23.7	16.5	13100	17.7	3060
	6.9 to 7.24	200,000											
	7.25 to 7.74	330,000											
	7.75 to 8.24	330,000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Cyanide (amenable)	--	--											
Cyanide	**6.25 to 6.64**	40		0.663	0.037 J3	0.054	<0.038 J3, V	<0.031 J3, V	<0.034 J3	0.04	0.07	<0.035	0.184
	6.9 to 7.24	40											
	7.25 to 7.74	40											
	7.75 to 8.24	40											
	8.25 to 8.74	40											
	8.75 to 9.0	40											
	9.0+	--											
Hardness	--	--											
Iron	**NRO**	NRO		17600	17200	13100	49000	21800	16900	6780	44300	16300	21700
Lead	**6.25 to 6.64**	--		1.86	2.76	<0.005	0.053	<0.005	0.018	0.005	30.1	0.013	3.78
	7.25 to 7.74	107											
	7.75 to 8.24	107											
	8.25 to 8.74	107											
	8.75 to 9.0	282											
	9.0+	--											
Magnesium	**NRO**	NRO		38400	36900	40300	7270	48400	43300	27700	24500	44000	32600
Manganese	**NRO**	1,924		589	550	479	431	632	412	268	4560	602	585
Mercury	**6.25 to 6.64**	0.89		0.02	0.17	0.01	0.04	0.009	0.02		0.73	0.01	0.38
	6.9 to 7.24	3.3											
	7.25 to 7.74	6.4											
	7.75 to 8.24	8											
	8.25 to 8.74	--								1.03			
	8.75 to 9.0	--											
	9.0+	--											
Nickel	**6.25 to 6.64**	100		0.06	0.063	0.056	0.019	0.01	0.012	0.012	0.371 I	0.011	0.048
	6.9 to 7.24	180											
	7.25 to 7.74	700											
	7.75 to 8.24	3800											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Potassium	**NRO**	NRO		4390	3750	2000	2620	1800	3740	1180	964	3360	3210
Selenium	**6.25 to 6.64**	6.3		0.031 J6	0.032 J6, V	0.029 J6	0.027 J6	0.025 J6	0.033 J6, V	0.034 J6	0.029 J3, J6	0.031 J6	0.039 J6

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249
pH - Standard Units													
pH				11.0 I, Q	10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	7.7 I, Q	8.4 I, Q	10.3 I, Q
	6.9 to 7.24	4.5											
	7.25 to 7.74	3.3											
	7.75 to 8.24	2.4											
	8.25 to 8.74	1.8											
	8.75 to 9.0	1.3											
	9.0+	--											
Silver	**6.25 to 6.64**	4.4		0.004	<0.003	0.004	<0.003	0.004	0.005	0.004	<0.012	<0.012	<0.012
	6.9 to 7.24	13											
	7.25 to 7.74	39											
	7.75 to 8.24	110											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Sodium	**NRO**	NRO		953	1680	1560	<256	247	662	<225	4580	234	1480
Strontium	**NRO**	NRO		54.5	59.9	36.8	30.7	35.6	55.4	19.2	128	47.4	59.4
Thallium	**6.25 to 6.64**	2.6		<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1	<0.025 B1, J3	<0.025 B1, I	0.035 B1	<0.025 B1
	6.9 to 7.24	3											
	7.25 to 7.74	3.4											
	7.75 to 8.24	3.8											
	8.25 to 8.74	4.4											
	8.75 to 9.0	4.9											
	9.0+	--											
Vanadium		1400.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 B1	<0.005 B1	<0.005 B1
Zinc	**6.25 to 6.64**	5100		16.2	17.1	0.282	0.968	<0.025	0.071	<0.025	260	0.031	19.1
	6.9 to 7.24	7500											
	7.25 to 7.74	16000											
	7.75 to 8.24	53000											
	8.25 to 8.74	--											
	8.75 to 9.0	--											
	9.0+	--											
Volatiles Organics - mg/kg or mg/L													
Acetone		25		0.018	<0.0046	<0.0044	0.029	<0.0043	<0.0049	<0.0048	0.0086	<0.0043	0.0094
Benzene		0.03		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Bromobenzene		0.86		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Bromochloroethene													
Bromochloromethane				<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Bromodichloromethane		0.6		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Bromoform		0.8		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Bromomethane		0.2		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
2-Butanone (MEK)		17		<0.005	<0.0046	<0.0044	0.0071	<0.0043	<0.0049	<0.0048	<0.0045	<0.0043	<0.0057
Carbon Disulfide		32		0.0026	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Carbon tetrachloride		0.07		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Chlorobenzene		1		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Chloroethane		---		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Chloroform		0.6		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Chloromethane		---		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Dibromochloromethane		0.4		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,2-Dibromoethane				<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Dibromomethane				<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,1-Dichloroethane		23		<0.002	<0.0018	<0.0018	<0.0021	0.0023	<0.002	0.0043	<0.0018	<0.0017	<0.0023
1,2-Dichloroethane		0.02		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,1-Dichloroethene				0.01	<0.0018	<0.0018	0.0033	0.0023	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
cis-1,2-Dichloroethene		0.4		0.061	0.02	<0.0018	0.032	0.17	<0.002	0.039	<0.0018	<0.0017	<0.0023
trans-1,2-Dichloroethene		0.7		0.0089	<0.0018	<0.0018	<0.0021	0.0073	<0.002	0.0054	<0.0018	<0.0017	<0.0023
1,1-Dichloropropene				<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,2-Dichloropropane		0.03		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,3-Dichloropropane		1000		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
2,2-Dichloropropane				<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
cis-1,3-Dichloropropene		0.004		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
trans-1,3-Dichloropropene		0.004		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Ethylbenzene		13		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
2-Hexanone (MBK)		0.16		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Isobutyl acetate													
Isopropylbenzene (Cumene)		91		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Methylene Chloride		0.02		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Methyl tert-butyl ether		0.32		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
4-Methyl-2pentanone (MIBK)		---		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Stryene		4		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Tetrachloroethene		0.06		0.022	<0.0018	<0.0018	<0.0021	0.0029	<0.002	0.0042	<0.0018	<0.0017	<0.0023
Trichlorofluoromethane		34		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Toluene		12		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	0.0024	0.0027	0.005
1,1,1-Trichloroethane		2		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	0.011	<0.0018	<0.0017	<0.0023
1,1,2-Trichloroethane		0.02		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,2,3-Trichloropropane		0.000017		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,1,1,2-Tetrachloroethane		3.2		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
1,1,2,2-Tetrachloroehtane		3.3		<0.002	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Trichloroethene		0.06		<0.002	0.0036	<0.0018	<0.0021	<0.0017	0.0041	<0.0019	<0.0018	<0.0017	<0.0023
Vinyl chloride		0.01		<0.002	0.0049	<0.0018	<0.0021	0.0097	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Xylenes, Total		150		0.0026	<0.0018	<0.0018	<0.0021	<0.0017	<0.002	<0.0019	<0.0018	<0.0017	<0.0023
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene		570		0.088	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.12	<0.057	<0.063
Acenaphthylene		85		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Acetophenone				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Anthracene		12000		0.18	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.28	<0.057	<0.063
Azobenzene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Benzo(a)anthracene		2		0.48	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.59	<0.057	0.18
Benzo(b)fluoranthene		5		0.58	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.8	<0.057	0.26

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249
pH - Standard Units													
pH				11.0 I, Q	10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	7.7 I, Q	8.4 I, Q	10.3 I, Q
Benzo(k)fluoranthene		49		0.22	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.28	<0.057	0.1
Benzo(g,h,i)perylene		27000		0.34	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.26	<0.057	0.1
Benzo(a)pyrene		8		0.45	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.49	<0.057	0.16
Bis(2-chloroethyl)ether		0.0004		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Bis(2-chloroethoxy)methane				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Bis(2-ethylhexyl)phthalate		3600		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
4-Bromophenyl phenyl ether				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Butyl benzyl phthalate		930		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Carbazole		0.6		0.099	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.23	<0.057	<0.063
4-Chloro-3-methylphenol				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
4-Chloroaniline		0.7		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
1-Chloronaphthalene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2-Chloronaphthalene		49		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2-Chlorophenol		4		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
4-Chlorophenyl phenyl ether				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Chrysene		160		0.54	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.74	<0.057	0.22
1,2-Dichlorobenzene		17		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
1,3-Dichlorobenzene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
1,4-Dichlorobenzene		2		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,4-Dichlorophenol		1		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Di-n-butyl phthalate		2300		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Di-n-octyl phthalate		10000		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
1,2-Dinitrobenzene				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
1,3-Dinitrobenzene		0.0037		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
1,4-Dinitrobenzene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,6-Dinitrotoluene		0.0007		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,4-Dinitrophenol		0.2		<0.19	<0.21 O2	<0.18 O2	<0.21	<0.19	<0.19 O2	<0.19 O2	<0.18	<0.19	<0.21
2,4-Dinitrotoluene		0.0008		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Dibenz(a,h)anthracene		2		0.064	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Dibenzofuran		3		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.17	<0.057	<0.063
3,3'-Dichlorobenzidine		0.007		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,6-Dichlorophenol				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Diethyl phthalate		470		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Dimethyl phthalate		380		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
p-Dimethylaminoazobenzene				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
7,12-Dimethylbenzo(a)anthracene				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
2,4-Dimethylphenol		9		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
4,6-Dinitro-2-methylphenol				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Diphenylamine		20		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Fluoranthene		4300		1	0.072	<0.053	<0.061	<0.057	0.076	<0.057	1.7	<0.057	0.39
Fluorene		560		0.082	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.15	<0.057	<0.063
Hexachlorobenzene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Hexachlorobutadiene		2.2		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Hexachlorocyclopentadiene				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Hexachloroethane		0.5		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Hexachloropropene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Indeno(1,2,3-cd)pyrene		14		0.34	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	0.28	<0.19	<0.21
Isodrin				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Isophorone		8		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Isosafrole				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Mestranol				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Ethyl methanesulfonate				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Methyl methanesulfonate				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2-Methylnaphthalene		1.9		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.15	<0.057	<0.063
2-Methylphenol		15		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
4-Methylphenol		3.9		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Naphthalene		12		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	0.24	<0.057	<0.063
1-Naphthylamine				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
2-Naphthylamine				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
5-Nitroacenaphthene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2-Nitroaniline		0.7		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
3-Nitroaniline				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
4-Nitroaniline		0.14		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Nitrobenzene		0.1		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
4-Nitrobiphenyl				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
2-Nitrophenol				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
4-Nitrophenol		---		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
N-Nitrosodi-n-butylamine				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
N-Nitrosodi-n-propylamine		0.00005		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
N-Nitrosopiperidine				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,2'-Oxybis (1-chloropropane)				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Pentachlorobenzene		31		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Pentachloronitrobenzene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Pentachlorophenol		0.03		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Phenacetin				<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Phenanthrene		210		0.86	0.12	<0.053	<0.061	<0.057	0.064	<0.057	1.9	<0.057	0.24
Phenol		100		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2-Picoline				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Pronamide				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Pyrene		4200		0.97	0.082	<0.053	<0.061	<0.057	0.061	<0.057	1.2	<0.057	0.29
Pyridine		---		<0.19	<0.21	<0.18	<0.21	<0.19	<0.19	<0.19	<0.18	<0.19	<0.21
Safrole				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
1,2,4,5-Tetrachlorobenzene				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,3,4,6-Tetrachlorophenol				<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
1,2,4-Trichlorobenzene		5		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,4,5-Trichlorophenol		270		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
2,4,6-Trichlorophenol		0.2		<0.055	<0.062	<0.053	<0.061	<0.057	<0.055	<0.057	<0.054	<0.057	<0.063
Pesticides/PCBs - mg/kg or mg/L													
Aldrin		0.5		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
alpha-BHC		0.0005		<0.0023 J3	<0.0024	<0.0022	<0.0025	<0.0022	<0.0022	<0.0023	<0.0023	<0.0022	<0.0024
beta-BHC				<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
delta-BHC				<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057 O1	<0.0055 O1	<0.006 O1
gamma-BHC		0.009		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
alpha-Chlordane		10		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006

IEPA TACO TABLE

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0394-08 SB-82 (4-6) Soil 9/12/2023 4:50 PM 85.1958	23I0393-01 SB-82 (8-9) Soil 9/12/2023 5:00 PM 80.55281	23I0393-04 SB-82 (14-16) Soil 9/12/2023 5:10 PM 87.93619	23I0394-06 SB-83 (5-7) Soil 9/12/2023 4:20 PM 78.04878	23I0394-07 SB-83 (10-12) Soil 9/12/2023 4:35 PM 86.8472	23I0393-02 SB-84 (1-3) Soil 9/12/2023 5:05 PM 85.50725	23I0393-03 SB-84 (10-12) Soil 9/12/2023 5:15 PM 86.98167	23I0451-01 SB-85 (3-5) Soil 9/13/2023 8:40 AM 86.14931	23I0451-02 SB-85 (10-12) Soil 9/13/2023 9:05 AM 85.90102	23I0451-03 SB-86 (10-12) Soil 9/13/2023 8:50 AM 78.35249
pH - Standard Units													
pH				11.0 I, Q	10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	7.7 I, Q	8.4 I, Q	10.3 I, Q
gamma-Chlordane		10		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Dieldrin		0.004		<0.0023 J3	<0.0024	<0.0022	<0.0025	<0.0022	<0.0022	<0.0023	0.064	<0.0022	0.0024
p,p'-DDT		32		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
p,p'-DDD		16		<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
p,p'-DDE		54		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	0.008	<0.0055	<0.006
Endosulfan I		18		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Endosulfan II				<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Endosulfan sulfate				<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Endrin		1		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Endrin aldehyde				<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Endrin ketone				<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	0.023	<0.0055	<0.006
Heptachlor		23		<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Heptachlor epoxide		0.7		<0.0057 J3	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	0.0064	<0.0055	<0.006
Methoxychlor		160		<0.0057	<0.0059	<0.0054	<0.0061	<0.0055	<0.0055	<0.0057	<0.0057	<0.0055	<0.006
Toxaphene		31		<0.11	<0.12	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12
Aroclor 1016				0.099	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012
Aroclor 1221				<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012
Aroclor 1232				<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012
Aroclor 1242				<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012
Aroclor 1248				<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.012
Aroclor 1254				0.12	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	1.3	<0.011	<0.012
Aroclor 1260				<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	0.48	<0.011	<0.012
PCB, Total											1.78		
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol		14											
pH - Standard Units													
pH				11.0 I, Q	10.1 I, Q	9.9 I, Q	7.9 I, Q	8.3 I, Q	8.5 I, Q	8.5 I, Q	7.7 I, Q	8.4 I, Q	10.3 I, Q

Site:
Project Number:

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I		
			Lab Sample #	23I0451-09
			Sample Name	SB-86 (14-16)
			Matrix	Soil
			Date sampled	9/13/2023
			Time sampled	9:00 AM
			% Solids	87.34884
pH - Standard Units				
pH				9.1 I, Q
Inorganics - mg/kg or mg/L				
Aluminum	NRO	NRO		11200
Antimony	all	5		<0.010
Arsenic	6.25 - 6.64	29		
	6.9 to 7.24	29		
	7.25 to 7.74	30		
	7.75 to 8.24	31		
	8.25 to 8.74	32		
	8.75 to 9.0	33		
	9.0+	--		<0.010 B1, J7
Barium	6.25 to 6.64	1500		0.681
	6.9 to 7.24	1700		
	7.25 to 7.74	1800		
	7.75 to 8.24	2100		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Beryllium	6.25 to 6.64	22		<0.001
	6.9 to 7.24	140		
	7.25 to 7.74	1000		
	7.75 to 8.24	8000		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Boron	NS	NS		24.1
Cadmium	6.25 to 6.4	5.2		<0.003 B2
	6.9 to 7.24	11		
	7.25 to 7.74	59		
	7.75 to 8.24	430		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Calcium	NS	NS		83700
Chromium	NS	NS		<0.005
Chromium, Hexavalent	6.25 to 6.64	40		
	6.9 to 7.24	36		
	7.25 to 7.74	32		
	7.75 to 8.24	28		
	8.25 to 8.74	24		
	8.75 to 9.0	21		
	9.0+	--		
Cobalt	NRO	NRO		9.65
Copper	6.25 to 6.64	59,000		82
	6.9 to 7.24	200,000		
	7.25 to 7.74	330,000		
	7.75 to 8.24	330,000		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Cyanide (amenable)	--	--		
Cyanide	6.25 to 6.64	40		<0.032
	6.9 to 7.24	40		
	7.25 to 7.74	40		
	7.75 to 8.24	40		
	8.25 to 8.74	40		
	8.75 to 9.0	40		
	9.0+	--		
Hardness	--	--		
Iron	NRO	NRO		17800
Lead	6.25 to 6.64	--		<0.010
	7.25 to 7.74	107		
	7.75 to 8.24	107		
	8.25 to 8.74	107		
	8.75 to 9.0	282		
	9.0+	--		
Magnesium	NRO	NRO		40200
Manganese	NRO	1,924		545
Mercury	6.25 to 6.64	0.89		0.02
	6.9 to 7.24	3.3		
	7.25 to 7.74	6.4		
	7.75 to 8.24	8		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Nickel	6.25 to 6.64	100		0.066
	6.9 to 7.24	180		
	7.25 to 7.74	700		
	7.75 to 8.24	3800		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Potassium	NRO	NRO		4180
Selenium	6.25 to 6.64	6.3		0.029 J6

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-09 / SB-86 (14-16) / Soil / 9/13/2023 / 9:00 AM / 87.34884
pH - Standard Units				
pH				9.1 I, Q
	6.9 to 7.24	4.5		
	7.25 to 7.74	3.3		
	7.75 to 8.24	2.4		
	8.25 to 8.74	1.8		
	8.75 to 9.0	1.3		
	9.0+	--		
Silver	**6.25 to 6.64**	4.4		<0.012
	6.9 to 7.24	13		
	7.25 to 7.74	39		
	7.75 to 8.24	110		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Sodium	**NRO**	NRO		784
Strontium	**NRO**	NRO		64.2
Thallium	**6.25 to 6.64**	2.6		0.029 B1
	6.9 to 7.24	3		
	7.25 to 7.74	3.4		
	7.75 to 8.24	3.8		
	8.25 to 8.74	4.4		
	8.75 to 9.0	4.9		
	9.0+	--		
Vanadium		1400.00		<0.005 B1
Zinc	**6.25 to 6.64**	5100		<0.025
	6.9 to 7.24	7500		
	7.25 to 7.74	16000		
	7.75 to 8.24	53000		
	8.25 to 8.74	--		
	8.75 to 9.0	--		
	9.0+	--		
Volatiles Organics - mg/kg or mg/L				
Acetone		25		<0.0042
Benzene		0.03		<0.0017
Bromobenzene		0.86		<0.0017
Bromochloroethene				
Bromochloromethane				<0.0017
Bromodichloromethane		0.6		<0.0017
Bromoform		0.8		<0.0017
Bromomethane		0.2		<0.0017
2-Butanone (MEK)		17		<0.0042
Carbon Disulfide		32		<0.0017
Carbon tetrachloride		0.07		<0.0017
Chlorobenzene		1		<0.0017
Chloroethane		---		<0.0017
Chloroform		0.6		<0.0017
Chloromethane		---		<0.0017
Dibromochloromethane		0.4		<0.0017
1,2-Dibromoethane				<0.0017
Dibromomethane				<0.0017
1,1-Dichloroethane		23		<0.0017
1,2-Dichloroethane		0.02		<0.0017
1,1-Dichloroethene				<0.0017
cis-1,2-Dichloroethene		0.4		<0.0017
trans-1,2-Dichloroethene		0.7		<0.0017
1,1-Dichloropropene				<0.0017
1,2-Dichloropropane		0.03		<0.0017
1,3-Dichloropropane		1000		<0.0017
2,2-Dichloropropane				<0.0017
cis-1,3-Dichloropropene		0.004		<0.0017
trans-1,3-Dichloropropene		0.004		<0.0017
Ethylbenzene		13		<0.0017
2-Hexanone (MBK)		0.16		<0.0017
Isobutyl acetate				
Isopropylbenzene (Cumene)		91		<0.0017
Methylene Chloride		0.02		<0.0017
Methyl tert-butyl ether		0.32		<0.0017
4-Methyl-2pentanone (MIBK)		---		<0.0017
Stryene		4		<0.0017
Tetrachloroethene		0.06		<0.0017
Trichlorofluoromethane		34		<0.0017
Toluene		12		<0.0017
1,1,1-Trichloroethane		2		<0.0017
1,1,2-Trichloroethane		0.02		<0.0017
1,2,3-Trichloropropane		0.000017		<0.0017
1,1,1,2-Tetrachloroethane		3.2		<0.0017
1,1,2,2-Tetrachloroehtane		3.3		<0.0017
Trichloroethene		0.06		<0.0017
Vinyl chloride		0.01		<0.0017
Xylenes, Total		150		<0.0017
Semi-Volatiles - mg/kg or mg/L				
Acenaphthene		570		<0.054
Acenaphthylene		85		<0.054
Acetophenone				<0.054
Anthracene		12000		<0.054
Azobenzene				<0.054
Benzo(a)anthracene		2		<0.054
Benzo(b)fluoranthene		5		<0.054

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-09 / SB-86 (14-16) / Soil / 9/13/2023 / 9:00 AM / 87.34884
pH - Standard Units				
pH				9.1 I, Q
Benzo(k)fluoranthene		49		<0.054
Benzo(g,h,i)perylene		27000		<0.054
Benzo(a)pyrene		8		<0.054
Bis(2-chloroethyl)ether		0.0004		<0.054
Bis(2-chloroethoxy)methane				<0.054
Bis(2-ethylhexyl)phthalate		3600		<0.18
4-Bromophenyl phenyl ether				<0.054
Butyl benzyl phthalate		930		<0.054
Carbazole		0.6		<0.054
4-Chloro-3-methylphenol				<0.054
4-Chloroaniline		0.7		<0.054
1-Chloronaphthalene				<0.054
2-Chloronaphthalene		49		<0.054
2-Chlorophenol		4		<0.054
4-Chlorophenyl phenyl ether				<0.054
Chrysene		160		<0.054
1,2-Dichlorobenzene		17		<0.054
1,3-Dichlorobenzene				<0.054
1,4-Dichlorobenzene		2		<0.054
2,4-Dichlorophenol		1		<0.054
Di-n-butyl phthalate		2300		<0.18
Di-n-octyl phthalate		10000		<0.18
1,2-Dinitrobenzene				<0.18
1,3-Dinitrobenzene		0.0037		<0.18
1,4-Dinitrobenzene				<0.054
2,6-Dinitrotoluene		0.0007		<0.054
2,4-Dinitrophenol		0.2		<0.18
2,4-Dinitrotoluene		0.0008		<0.054
Dibenz(a,h)anthracene		2		<0.054
Dibenzofuran		3		<0.054
3,3'-Dichlorobenzidine		0.007		<0.054
2,6-Dichlorophenol				<0.054
Diethyl phthalate		470		<0.054
Dimethyl phthalate		380		<0.054
p-Dimethylaminoazobenzene				<0.18
7,12-Dimethylbenzo(a)anthracene				<0.18
2,4-Dimethylphenol		9		<0.054
4,6-Dinitro-2-methylphenol				<0.18
Diphenylamine		20		<0.054
Fluoranthene		4300		<0.054
Fluorene		560		<0.054
Hexachlorobenzene				<0.054
Hexachlorobutadiene		2.2		<0.054
Hexachlorocyclopentadiene				<0.18
Hexachloroethane		0.5		<0.054
Hexachloropropene				<0.054
Indeno(1,2,3-cd)pyrene		14		<0.18
Isodrin				<0.054
Isophorone		8		<0.18
Isosafrole				<0.054
Mestranol				<0.18
Ethyl methanesulfonate				<0.054
Methyl methanesulfonate				<0.054
2-Methylnaphthalene		1.9		<0.054
2-Methylphenol		15		<0.054
4-Methylphenol		3.9		<0.054
Naphthalene		12		<0.054
1-Naphthylamine				<0.18
2-Naphthylamine				<0.18
5-Nitroacenaphthene				<0.054
2-Nitroaniline		0.7		<0.18
3-Nitroaniline				<0.054
4-Nitroaniline		0.14		<0.054
Nitrobenzene		0.1		<0.054
4-Nitrobiphenyl				<0.18
2-Nitrophenol				<0.18
4-Nitrophenol		---		<0.054
N-Nitrosodi-n-butylamine				<0.054
N-Nitrosodi-n-propylamine		0.00005		<0.054
N-Nitrosopiperidine				<0.054
2,2'-Oxybis (1-chloropropane)				<0.054
Pentachlorobenzene		31		<0.054
Pentachloronitrobenzene				<0.054
Pentachlorophenol		0.03		<0.18
Phenacetin				<0.18
Phenanthrene		210		<0.054
Phenol		100		<0.054
2-Picoline				<0.054
Pronamide				<0.054
Pyrene		4200		<0.054
Pyridine		---		<0.18
Safrole				<0.054
1,2,4,5-Tetrachlorobenzene				<0.054
2,3,4,6-Tetrachlorophenol				<0.054
1,2,4-Trichlorobenzene		5		<0.054
2,4,5-Trichlorophenol		270		<0.054
2,4,6-Trichlorophenol		0.2		<0.054
Pesticides/PCBs - mg/kg or mg/L				
Aldrin		0.5		<0.0056
alpha-BHC		0.0005		<0.0022
beta-BHC				<0.0056
delta-BHC				<0.0056
gamma-BHC		0.009		<0.0056
alpha-Chlordane		10		<0.0056

CHEMICAL NAME	ECTIVE ACTION OBJECTIVES (m	MIGRATION TO GROUNDWATER (mg/L) Class I		Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	23I0451-09 / SB-86 (14-16) / Soil / 9/13/2023 / 9:00 AM / 87.34884
pH - Standard Units					
pH					9.1 I, Q
gamma-Chlordane		10			<0.0056
Dieldrin		0.004			<0.0022
p,p'-DDT		32			<0.0056
p,p'-DDD		16			<0.0056
p,p'-DDE		54			<0.0056
Endosulfan I		18			<0.0056
Endosulfan II					<0.0056
Endosulfan sulfate					<0.0056
Endrin		1			<0.0056
Endrin aldehyde					<0.0056
Endrin ketone					<0.0056
Heptachlor		23			<0.0056
Heptachlor epoxide		0.7			<0.0056
Methoxychlor		160			<0.0056
Toxaphene		31			<0.11
Aroclor 1016					<0.011
Aroclor 1221					<0.011
Aroclor 1232					<0.011
Aroclor 1242					<0.011
Aroclor 1248					<0.011
Aroclor 1254					<0.011
Aroclor 1260					<0.011
PCB, Total					
Dioxins - ng/Kg (ppt)					
2,3,7,8-TCDD Equivalence					
Alcohols - mg/kg or mg/L					
Methanol		14			
pH - Standard Units					
pH					9.1 I, Q

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids											
			Sample Name	MW-6S	RW-3S	MW-3D	MW-5S	MW-5D	MW-6S	MW-7S	MW-8S	G9MW9D	RW-11D	RW-10D
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	4/25/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/13/2023	9/28/2022	9/28/2022
			Time sampled		11:20 AM	12:30 PM	9:40 AM	10:45 AM	12:05 PM	4:25 PM	1:50 PM	1:35 PM	2:30 PM	3:40 PM
	Water	Water	% Solids											
Inorganics - mg/kg or mg/L														
Aluminum	3.5	5			0.149	<0.1	0.251	<0.1	<0.1	10.8	6.17	<0.1	<0.1	<0.1
Antimony	0.006	0.024			<0.01	<0.01	<0.01	<0.01	<0.01	0.0204 B2	0.0253 B2	<0.01	<0.01	<0.01
Arsenic	0.05	0.2			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0109	<0.01	<0.01	<0.01
Barium	2	2			0.0346	0.0211	0.137	0.0521	0.0253	0.143	0.132	0.055	0.0191	0.0512
Beryllium	0.004	0.5			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	2	2			7.3	0.804	12	0.961	1.28	0.665	1.07	0.605	0.769	0.621
Cadmium	0.005	0.05		0.00037	<0.003	<0.003	<0.003	<0.003	<0.003	0.02	0.0133	<0.003	<0.003	<0.003
Cadmium, Dissolved	0.005	0.05		<0.00050										
Calcium	---	---			25.9	23.4	58.6	32.1	53.5	124	111	65.7	15.4	32.6
Chromium	0.1	1			0.0101 V	<0.005	<0.005	<0.005	0.0164 V	0.0602 V	0.084 V	0.00741	<0.005	<0.005
Chromium, Hexavalent	---	---												
Cobalt	1	1			<0.01	<0.01	<0.01	<0.01	<0.01	0.0111	<0.01	<0.01	<0.01	<0.01
Copper	0.65	0.65		0.046	0.0294	<0.01	<0.01	<0.01	<0.01	4.46	8.88	<0.01	<0.01	<0.01
Copper, Dissolved	0.65	0.65		0.017										
Cyanide (amenable)	0.2	0.6												
Cyanide					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hardness					154	88.8	282	146	242	456	379	347	60.1	139
Iron	5	5			0.343	<0.15	1.15	<0.15	0.192	18.2	15.5	0.222	<0.15	<0.15
Lead	0.0075	0.1		0.0034	<0.005	<0.005	<0.005	<0.005	<0.005	2.17	4.43	<0.005	<0.005	<0.005
Lead, Dissolved	0.0075	0.1		<0.00050										
Magnesium	---	---			21.7	7.37	33	15.9	26.3	35.7	24.5	44.5	5.23	14
Manganese	0.15	10			1.01	<0.015	0.0913	0.0261	0.196	0.248	0.209	0.0363	<0.015	0.02
Mercury	0.002	0.01			<0.00006	<0.00006	<0.00006	<0.00006	<0.00006	0.00141	0.0021	<0.00006	<0.00006	<0.00006
Nickel	0.1	2			<0.005	<0.005	<0.005	<0.005	0.00958 V	0.132	0.101	0.0732	<0.005	<0.005
Potassium	---	---			10.3	<1.4	3.19	<1.4	2.16	6.9	5.63	1.89	<1.4	<1.4
Selenium	0.05	0.05			<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Silver	0.05	---			<0.003	<0.003	<0.003	<0.003	<0.003	0.0055	0.01	<0.003	<0.003	<0.003
Sodium	---	---			183	62.3	312	61.1	53.9	14.6	11.4	64.1	52.4	55.3
Strontium	4.2	---			0.409	1.45	0.499	2.48	0.607	0.299	0.289	2.86	1.06	2.58
Thallium	0.002	0.02			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	0.049	0.1			<0.005	<0.005	<0.005	<0.005	<0.005	0.0191	0.0149	<0.005	<0.005	<0.005
Zinc	5	10		0.039	<0.025	<0.025	0.025	<0.025	<0.025	8.34	5.64	0.0562	<0.025	<0.025
Zinc, Dissolved	5	10		0.008										
Volatiles Organics - mg/kg or mg/L														
Acetone	6.3	6.3			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	0.005	0.025			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromobenzene	4.3	0.7			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloroethene														
Bromochloromethane					<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	0.0002	0.0002			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromoform	0.001	0.001			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	0.0098	0.049			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	4.2	4.2			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	0.7	3.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon tetrachloride	0.005	0.025			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	0.1	0.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	---	---			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroform	0.0002	0.001			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloromethane	---	---			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromochloromethane	0.14	0.14			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane					<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromomethane					<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethane	0.7	3.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloroethane	0.005	0.025			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethene					<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,2-Dichloroethene	0.07	0.2			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,2-Dichloroethene	0.1	0.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloropropene					<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloropropane	0.005	0.025			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropane	0.14	0.14			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,2-Dichloropropane					<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,3-Dichloropropene	0.001	0.005			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	0.001	0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.7	1			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Hexanone (MBK)	---	---			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isobutyl acetate														
Isopropylbenzene (Cumene)	0.7	3.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride	0.005	0.05			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether	0.07	0.07			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4-Methyl-2pentanone (MIBK)	---	---			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Stryene	0.1	0.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	0.005	0.025			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	2.1	10.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1	2.5			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1-Trichloroethane	0.2	1			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2-Trichloroethane	0.005	0.05			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	0.001	0.001			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1,2-Tetrachloroethane	0.21	1.05			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2,2-Tetrachloroehtane	0.42	0.42			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene	0.005	0.025			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl chloride	0.002	0.01			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes, Total	10	10			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Semi-Volatiles - mg/kg or mg/L														
Acenaphthene	0.42	2.1										<0.001		
Acenaphthylene	0.21	1.05										<0.001		
Acetophenone												<0.001		
Anthracene	2.1	10.5										<0.001		
Azobenzene												<0.001		
Benzo(a)anthracene	0.00013	0.00065										<0.0003		
Benzo(b)fluoranthene	0.00018	0.0009										<0.0003		
Benzo(k)fluoranthene	0.00017	0.00085										<0.0003		
Benzo(g,h,i)perylene	0.21	1.05										<0.001		
Benzo(a)pyrene	0.0002	0.002										<0.0003		
Bis(2-chloroethyl)ether	0.01	0.01										<0.0003		
Bis(2-chloroethoxy)methane												<0.001		
Bis(2-ethylhexyl)phthalate	0.006	0.06										<0.005		
4-Bromophenyl phenyl ether												<0.001		
Butyl benzyl phthalate	1.4	7										<0.001		

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #											
			Sample Name	MW-6S	22I1212-08	22I1212-09	22I1212-01	22I1212-02	22I1212-03	22I1212-13	22I1212-04	23I0453-05	22I1212-10	22I1212-11
			Matrix	Water	RW-3S Water	MW-3D Water	MW-5S Water	MW-5D Water	MW-6S Water	MW-7S Water	MW-8S Water	G9MW9D Water	RW-11D Water	RW-10D Water
			Date sampled	4/25/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/13/2023	9/28/2022	9/28/2022
			Time sampled		11:20 AM	12:30 PM	9:40 AM	10:45 AM	12:05 PM	4:25 PM	1:50 PM	1:35 PM	2:30 PM	3:40 PM
			% Solids											
	Water	Water												
Carbazole	---	---										<0.001		
4-Chloro-3-methylphenol												<0.001		
4-Chloroaniline	0.028	0.028										<0.001		
1-Chloronaphthalene												<0.001		
2-Chloronaphthalene	0.56	2.8										<0.001		
2-Chlorophenol	0.035	0.035										<0.001		
4-Chlorophenyl phenyl ether												<0.001		
Chrysene	0.0015	0.0075										<0.001		
1,2-Dichlorobenzene	0.6	1.5										<0.001		
1,3-Dichlorobenzene												<0.001		
1,4-Dichlorobenzene	0.075	0.375										<0.001		
2,4-Dichlorophenol	0.021	0.021										<0.001		
Di-n-butyl phthalate	0.7	3.5										<0.005		
Di-n-octyl phthalate	0.14	0.7										<0.001		
1,2-Dinitrobenzene												<0.001		
1,3-Dinitrobenzene	0.0007	0.0007										<0.0003		
1,4-Dinitrobenzene												<0.001		
2,6-Dinitrotoluene	0.00031	0.00031										<0.0003		
2,4-Dinitrophenol	0.014	0.014										<0.005		
2,4-Dinitrotoluene	0.00002	0.0002										<0.0003		
Dibenz(a,h)anthracene	0.0003	0.0015										<0.0003		
Dibenzofuran	0.028	0.14										<0.001		
3,3'-Dichlorobenzidine	0.02	0.1										<0.001		
2,6-Dichlorophenol												<0.001		
Diethyl phthalate	5.6	5.6										<0.001		
Dimethyl phthalate	70	70										<0.001		
p-Dimethylaminoazobenzene												<0.001		
7,12-Dimethylbenzo(a)anthracene												<0.001		
2,4-Dimethylphenol	0.14	0.14										<0.001		
4,6-Dinitro-2-methylphenol												<0.005		
Diphenylamine	0.175	0.875										<0.001		
Fluoranthene	0.28	1.4										<0.001		
Fluorene	0.28	1.4										<0.001		
Hexachlorobenzene												<0.001		
Hexachlorobutadiene	0.007	0.035										<0.001		
Hexachlorocyclopentadiene												<0.001		
Hexachloroethane	0.007	0.035										<0.001		
Hexachloropropene												<0.001		
Indeno(1,2,3-cd)pyrene	0.00043	0.00215										<0.0003		
Isodrin												<0.001		
Isophorone	1.4	1.4										<0.001		
Isosafrole												<0.001		
Mestranol												<0.001		
Ethyl methanesulfonate												<0.001		
Methyl methanesulfonate												<0.001		
2-Methylnaphthalene	0.028	0.14										<0.001		
2-Methylphenol	0.35	0.35										<0.001		
4-Methylphenol	0.35	0.35										<0.001		
Naphthalene	0.14	0.22										<0.001		
1-Naphthylamine												<0.001		
2-Naphthylamine												<0.001		
5-Nitroacenaphthene												<0.001		
2-Nitroaniline	0.21	0.21										<0.001		
3-Nitroaniline												<0.001		
4-Nitroaniline	0.021	0.021										<0.001		
Nitrobenzene	0.0035	0.0035										<0.001		
4-Nitrobiphenyl												<0.001		
2-Nitrophenol												<0.001		
4-Nitrophenol	---	---										<0.001		
N-Nitrosodi-n-butylamine												<0.001		
N-Nitrosodi-n-propylamine	0.0018	0.0018										<0.0003		
N-Nitrosopiperidine												<0.001		
2,2'-Oxybis (1-chloropropane)												<0.001		
Pentachlorobenzene	---	---										<0.001		
Pentachloronitrobenzene												<0.001		
Pentachlorophenol	0.001	0.005										<0.001		
Phenacetin												<0.001		
Phenanthrene	0.21	1.05										<0.001		
Phenol	0.1	0.1										<0.001		
2-Picoline												<0.001		
Pronamide												<0.001		
Pyrene	0.21	1.05										<0.001		
Pyridine	0.007	0.007										<0.001		
Safrole												<0.001		
1,2,4,5-Tetrachlorobenzene												<0.001		
2,3,4,6-Tetrachlorophenol												<0.001		
1,2,4-Trichlorobenzene	0.07	0.7										<0.001		
2,4,5-Trichlorophenol	0.7	0.7										<0.001		
2,4,6-Trichlorophenol	0.01	0.01										<0.001		

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.014	0.07										<0.00001		
alpha-BHC	0.00011	0.00055										<0.00001		
beta-BHC												<0.00001		
delta-BHC												<0.00001		
gamma-BHC	0.0002	0.001										<0.00001		
alpha-Chlordane	0.002	0.03										<0.00001		
gamma-Chlordane	0.002	0.01										<0.00001		
Dieldrin	0.009	0.045										<0.00001		
p,p'-DDT	0.006	0.03										<0.00001		
p,p'-DDD	0.014	0.07										<0.00001		
p,p'-DDE	0.01	0.05										<0.00001		
Endosulfan I	0.042	0.21										<0.00001		
Endosulfan II												<0.00001		
Endosulfan sulfate												<0.00001		
Endrin	0.002	0.01										<0.00001		
Endrin aldehyde												<0.00001		
Endrin ketone												<0.00001		
Heptachlor	0.0004	0.002										<0.00001		
Heptachlor epoxide	0.0002	0.001										<0.00001		
Methoxychlor	0.04	0.2										<0.000025		
Toxaphene	0.003	0.015										<0.003		
Aroclor 1016												<0.0001		

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	GROUNDWATER INGESTION STANDARD (mg/L) Class II	Lab Sample #											
			Sample Name	MW-6S	22I1212-08 RW-3S	22I1212-09 MW-3D	22I1212-01 MW-5S	22I1212-02 MW-5D	22I1212-03 MW-6S	22I1212-13 MW-7S	22I1212-04 MW-8S	23I0453-05 G9MW9D	22I1212-10 RW-11D	22I1212-11 RW-10D
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	4/25/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/28/2022	9/13/2023	9/28/2022	9/28/2022
			Time sampled		11:20 AM	12:30 PM	9:40 AM	10:45 AM	12:05 PM	4:25 PM	1:50 PM	1:35 PM	2:30 PM	3:40 PM
			% Solids											
	Water	Water												
Aroclor 1221												<0.0001		
Aroclor 1232												<0.0001		
Aroclor 1242												<0.0001		
Aroclor 1248												<0.0001		
Aroclor 1254												<0.0001		
Aroclor 1260												<0.0001		
Dioxins - ng/Kg (ppt)														
2,3,7,8-TCDD Equivalence														
Alcohols - mg/kg or mg/L														
Methanol	3.5	3.5												
pH - Standard Units														
pH												7.8 Q		
												18.5		

Site: Work Order: 23I0453
Project Number: Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II											
			Lab Sample #	22I1212-12	22I1132-13	23H1219-05	23I0393-06	22I1132-13	23I0453-03	23H1219-05	23I0453-05		23I0453-01
			Sample Name	RW-10DD	G921	G948	G976	G921	G9MW45	G948	G9MW9D		FB1
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water		Water
			Date sampled	9/28/2022	9/27/2022	8/22/2023	9/12/2023	9/27/2022	9/13/2023	8/22/2023	9/13/2023		9/13/2023
			Time sampled	3:40 PM	12:50 PM	2:10 PM	1:10 PM	12:50 PM	1:25 PM	2:10 PM	1:35 PM		10:35 AM
			% Solids										
	Water	Water											
Inorganics - mg/kg or mg/L													
Aluminum	3.5	5		<0.1	8.11	5.35	0.279	8.11	4.28	5.35	<0.1		<0.1
Antimony	0.006	0.024		<0.01	0.0459 B2	0.0205	<0.01	0.0459 B2	<0.01	0.0205	<0.01		<0.01
Arsenic	0.05	0.2		<0.01	0.017	<0.01 B1	<0.01	0.017	<0.01 B1	<0.01 B1	<0.01		<0.01
Barium	2	2		0.0516	0.235	0.124	0.0715	0.235	0.0831	0.124	0.055		<0.01
Beryllium	0.004	0.5		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Boron	2	2		0.621	2.1	5.49	12.5	2.1	5.15	5.49	0.605		<0.025
Cadmium	0.005	0.05		<0.003	0.0559	0.00724	<0.003	0.0559	<0.003	0.00724	<0.003		<0.003
Cadmium, Dissolved	0.005	0.05											
Calcium	---	---		33.1	170	119	89.4	170	129	119	65.7		<0.3
Chromium	0.1	1		<0.005	0.0201 V	0.00855	<0.005	0.0201 V	0.235	0.00855	0.00741		<0.005
Chromium, Hexavalent	---	---											
Cobalt	1	1		<0.01	<0.01	0.0124	<0.01	<0.01	<0.01	0.0124	<0.01		<0.01
Copper	0.65	0.65		<0.01	3.09	0.125	0.204	3.09	0.0215	0.125	<0.01		<0.01
Copper, Dissolved	0.65	0.65											
Cyanide (amenable)	0.2	0.6											
Cyanide				<0.01	<0.01	<0.01 J3	<0.01	<0.01	<0.01	<0.01 J3	<0.01		<0.01
Hardness				141	611	440	510	611	478	440	347		<1.98
Iron	5	5		<0.15	16.1	11.5	0.907	16.1	12.1	11.5	0.222		<0.15
Lead	0.0075	0.1		<0.005	1.52	0.116	0.0572	1.52	<0.005	0.116	<0.005		<0.005
Lead, Dissolved	0.0075	0.1											
Magnesium	---	---		14.2	45.4	34.5	69.6	45.4	37.9	34.5	44.5		<0.3
Manganese	0.15	10		0.0205	1.17	3.73	0.378	1.17	0.795	3.73	0.0363		<0.015
Mercury	0.002	0.01		<0.00006	0.0038	<0.00006	<0.00006	0.0038	<0.00006	<0.00006	<0.00006		<0.00006
Nickel	0.1	2		<0.005	0.0372 V	0.0212	0.0192	0.0372 V	0.241	0.0212	0.0732		<0.005
Potassium	---	---		<1.4	11.1	17.2	37.5	11.1	7.44	17.2	1.89		<1.4
Selenium	0.05	0.05		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025		<0.025
Silver	0.05	---		<0.003	0.00616	<0.003	<0.003	0.00616	<0.003	<0.003	<0.003		<0.003
Sodium	---	---		56.6	97.1	137	274	97.1	189	137	64.1		<0.3
Strontium	4.2	---		2.64	0.63	0.671	0.569	0.63	0.848	0.671	2.86		<0.005
Thallium	0.002	0.02		<0.01	<0.01	<0.01 B1	<0.01	<0.01	<0.01 B1	<0.01 B1	<0.01		<0.01
Vanadium	0.049	0.1		<0.005	0.0137	0.0107	<0.005	0.0137	0.00703	0.0107	<0.005		<0.005
Zinc	5	10		<0.025	20.9	8.45	2.17	20.9	0.0781	8.45	0.0562		<0.025
Zinc, Dissolved	5	10											
Volatiles Organics - mg/kg or mg/L													
Acetone	6.3	6.3		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Benzene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Bromobenzene	4.3	0.7		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Bromochloroethene													
Bromochloromethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Bromodichloromethane	0.0002	0.0002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Bromoform	0.001	0.001		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
Bromomethane	0.0098	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 J3	<0.005	<0.005		<0.005
2-Butanone (MEK)	4.2	4.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Carbon Disulfide	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Carbon tetrachloride	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Chlorobenzene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Chloroethane	---	---		<0.002	<0.002	<0.002 O2	<0.002	<0.002	<0.002	<0.002 O2	<0.002		<0.002
Chloroform	0.0002	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Chloromethane	---	---		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Dibromochloromethane	0.14	0.14		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
1,2-Dibromoethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Dibromomethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,1-Dichloroethane	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,2-Dichloroethane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,1-Dichloroethene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
cis-1,2-Dichloroethene	0.07	0.2		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
trans-1,2-Dichloroethene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,1-Dichloropropene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,2-Dichloropropane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,3-Dichloropropane	0.14	0.14		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
2,2-Dichloropropane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002 J3	<0.002	<0.002		<0.002
cis-1,3-Dichloropropene	0.001	0.005		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002 J3	<0.002	<0.002		<0.002
trans-1,3-Dichloropropene	0.001	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 J3	<0.005	<0.005		<0.005
Ethylbenzene	0.7	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
2-Hexanone (MBK)	---	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
Isobutyl acetate													
Isopropylbenzene (Cumene)	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Methylene Chloride	0.005	0.05		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
Methyl tert-butyl ether	0.07	0.07		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
4-Methyl-2pentanone (MIBK)	---	---		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Stryene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Tetrachloroethene	0.005	0.025		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
Trichlorofluoromethane	2.1	10.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Toluene	1	2.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,1,1-Trichloroethane	0.2	1		<0.002	<0.002	<0.002	0.0038	<0.002	<0.002	<0.002	<0.002		<0.002
1,1,2-Trichloroethane	0.005	0.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,2,3-Trichloropropane	0.001	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,1,1,2-Tetrachloroethane	0.21	1.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
1,1,2,2-Tetrachloroehtane	0.42	0.42		<0.002	<0.002	<0.002 J3, J5, O1	<0.002	<0.002	<0.002 J3	<0.002 J3, J5, O1	<0.002		<0.002
Trichloroethene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Vinyl chloride	0.002	0.01		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Xylenes, Total	10	10		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	0.42	2.1				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Acenaphthylene	0.21	1.05				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Acetophenone						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Anthracene	2.1	10.5				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Azobenzene						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Benzo(a)anthracene	0.00013	0.00065				<0.0015	<0.0003		<0.0003	<0.0015	<0.0003		<0.0003
Benzo(b)fluoranthene	0.00018	0.0009				<0.0015	<0.0003		<0.0003	<0.0015	<0.0003		<0.0003
Benzo(k)fluoranthene	0.00017	0.00085				<0.0015	<0.0003		<0.0003	<0.0015	<0.0003		<0.0003
Benzo(g,h,i)perylene	0.21	1.05				<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
Benzo(a)pyrene	0.0002	0.002				<0.0015	<0.0003		<0.0003	<0.0015	<0.0003		<0.0003
Bis(2-chloroethyl)ether	0.01	0.01				<0.0015 J1	<0.0003		<0.0003 J1	<0.0015 J1	<0.0003		<0.0003
Bis(2-chloroethoxy)methane						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Bis(2-ethylhexyl)phthalate	0.006	0.06				<0.005	<0.005		<0.005	<0.005	<0.005		<0.005
4-Bromophenyl phenyl ether						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Butyl benzyl phthalate	1.4	7				<0.005	<0.001		<0.001	<0.005	<0.001		<0.001

Site: Work Order: 23I0453
Project Number: Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1212-12	22I1132-13	23H1219-05	23I0393-06	22I1132-13	23I0453-03	23H1219-05	23I0453-05		23I0453-01
			Sample Name	RW-10DD	G921	G948	G976	G921	G9MW45	G948	G9MW9D		FB1
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water		Water
			Date sampled	9/28/2022	9/27/2022	8/22/2023	9/12/2023	9/27/2022	9/13/2023	8/22/2023	9/13/2023		9/13/2023
			Time sampled	3:40 PM	12:50 PM	2:10 PM	1:10 PM	12:50 PM	1:25 PM	2:10 PM	1:35 PM		10:35 AM
			% Solids										
	Water	Water											
Carbazole	---	---				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
4-Chloro-3-methylphenol						<0.0015 J3	<0.001		<0.001	<0.0015 J3	<0.001		<0.001
4-Chloroaniline	0.028	0.028				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
1-Chloronaphthalene						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
2-Chloronaphthalene	0.56	2.8				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
2-Chlorophenol	0.035	0.035				<0.0015 J1, J3	<0.001		<0.001 J1	<0.0015 J1, J3	<0.001		<0.001
4-Chlorophenyl phenyl ether						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Chrysene	0.0015	0.0075				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
1,2-Dichlorobenzene	0.6	1.5				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
1,3-Dichlorobenzene						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
1,4-Dichlorobenzene	0.075	0.375				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
2,4-Dichlorophenol	0.021	0.021				<0.0015 J3	<0.001		<0.001	<0.0015 J3	<0.001		<0.001
Di-n-butyl phthalate	0.7	3.5				<0.0015 V	<0.005		<0.005	<0.0015 V	<0.005		<0.005
Di-n-octyl phthalate	0.14	0.7				<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
1,2-Dinitrobenzene						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
1,3-Dinitrobenzene	0.0007	0.0007				<0.005 J1	<0.0003		<0.0003 J1	<0.005 J1	<0.0003		<0.0003
1,4-Dinitrobenzene						<0.005 J1	<0.001		<0.001 J1	<0.005 J1	<0.001		<0.001
2,6-Dinitrotoluene	0.00031	0.00031				<0.0015 J1	<0.0003		<0.0003 J1	<0.0015 J1	<0.0003		<0.0003
2,4-Dinitrophenol	0.014	0.014				<0.005 J1	<0.005 J3		<0.005 J1	<0.005 J1	<0.005		<0.005
2,4-Dinitrotoluene	0.00002	0.0002				<0.005 J1	<0.0003		<0.0003 J1	<0.005 J1	<0.0003		<0.0003
Dibenz(a,h)anthracene	0.0003	0.0015				<0.005	<0.0003		<0.0003	<0.005	<0.0003		<0.0003
Dibenzofuran	0.028	0.14				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
3,3'-Dichlorobenzidine	0.02	0.1				<0.0015	<0.001 J3		<0.001	<0.0015	<0.001		<0.001
2,6-Dichlorophenol						<0.0015 J3	<0.001		<0.001	<0.0015 J3	<0.001		<0.001
Diethyl phthalate	5.6	5.6				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Dimethyl phthalate	70	70				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
p-Dimethylaminoazobenzene						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
7,12-Dimethylbenzo(a)anthracene						<0.0075	<0.001		<0.001	<0.0075	<0.001		<0.001
2,4-Dimethylphenol	0.14	0.14				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
4,6-Dinitro-2-methylphenol						<0.005	<0.005 J3		<0.005	<0.005	<0.005		<0.005
Diphenylamine	0.175	0.875				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Fluoranthene	0.28	1.4				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Fluorene	0.28	1.4				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Hexachlorobenzene						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Hexachlorobutadiene	0.007	0.035				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Hexachlorocyclopentadiene						<0.005 J1	<0.001		<0.001	<0.005 J1	<0.001		<0.001
Hexachloroethane	0.007	0.035				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Hexachloropropene						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Indeno(1,2,3-cd)pyrene	0.00043	0.00215				<0.005	<0.0003		<0.0003	<0.005	<0.0003		<0.0003
Isodrin						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Isophorone	1.4	1.4				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Isosafrole						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Mestranol						<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
Ethyl methanesulfonate						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Methyl methanesulfonate						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
2-Methylnaphthalene	0.028	0.14				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
2-Methylphenol	0.35	0.35				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
4-Methylphenol	0.35	0.35				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Naphthalene	0.14	0.22				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
1-Naphthylamine						<0.005 J1, O2	<0.001		<0.001 J1	<0.005 J1, O2	<0.001		<0.001
2-Naphthylamine						<0.005 J1	<0.001		<0.001 J1	<0.005 J1	<0.001		<0.001
5-Nitroacenaphthene						<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
2-Nitroaniline	0.21	0.21				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
3-Nitroaniline						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
4-Nitroaniline	0.021	0.021				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Nitrobenzene	0.0035	0.0035				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
4-Nitrobiphenyl						<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
2-Nitrophenol						<0.005 J3	<0.001		<0.001	<0.005 J3	<0.001		<0.001
4-Nitrophenol	---	---				<0.005 J1	<0.001		<0.001 J1	<0.005 J1	<0.001		<0.001
N-Nitrosodi-n-butylamine						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
N-Nitrosodi-n-propylamine	0.0018	0.0018				<0.0015 J1	<0.0003		<0.0003 J1	<0.0015 J1	<0.0003		<0.0003
N-Nitrosopiperidine						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
2,2'-Oxybis (1-chloropropane)						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Pentachlorobenzene	---	---				<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Pentachloronitrobenzene						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Pentachlorophenol	0.001	0.005				<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
Phenacetin						<0.005	<0.001		<0.001	<0.005	<0.001		<0.001
Phenanthrene	0.21	1.05				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Phenol	0.1	0.1				<0.0015 J1, J3	<0.001		<0.001 J1	<0.0015 J1, J3	<0.001		<0.001
2-Picoline						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
Pronamide						<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Pyrene	0.21	1.05				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
Pyridine	0.007	0.007				<0.005 J1	<0.001		<0.001 J1	<0.005 J1	<0.001		<0.001
Safrole						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
1,2,4,5-Tetrachlorobenzene						<0.0015 J1	<0.001		<0.001 J1	<0.0015 J1	<0.001		<0.001
2,3,4,6-Tetrachlorophenol						<0.0015 J1, J3	<0.001		<0.001 J1	<0.0015 J1, J3	<0.001		<0.001
1,2,4-Trichlorobenzene	0.07	0.7				<0.0015	<0.001		<0.001	<0.0015	<0.001		<0.001
2,4,5-Trichlorophenol	0.7	0.7				<0.0015 J1, J3	<0.001		<0.001 J1	<0.0015 J1, J3	<0.001		<0.001
2,4,6-Trichlorophenol	0.01	0.01				<0.0015 J1, J3	<0.001		<0.001 J1	<0.0015 J1, J3	<0.001		<0.001

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.014	0.07				<0.00001			<0.00001	<0.00001	<0.00001		
alpha-BHC	0.00011	0.00055				<0.00001			<0.00001	<0.00001	<0.00001		
beta-BHC						<0.00001			<0.00001	<0.00001	<0.00001		
delta-BHC						<0.00001 J3			<0.00001	<0.00001 J3	<0.00001		
gamma-BHC	0.0002	0.001				<0.00001 J3			<0.00001	<0.00001 J3	<0.00001		
alpha-Chlordane	0.002	0.03				<0.00001 J3			<0.00001	<0.00001 J3	<0.00001		
gamma-Chlordane	0.002	0.01				<0.00001			<0.00001	<0.00001	<0.00001		
Dieldrin	0.009	0.045				<0.00001			<0.00001	<0.00001	<0.00001		
p,p'-DDT	0.006	0.03				<0.00001			<0.00001	<0.00001	<0.00001		
p,p'-DDD	0.014	0.07				<0.00001			<0.00001	<0.00001	<0.00001		
p,p'-DDE	0.01	0.05				<0.00001			<0.00001	<0.00001	<0.00001		
Endosulfan I	0.042	0.21				<0.00001			<0.00001	<0.00001	<0.00001		
Endosulfan II						<0.00001 J3			<0.00001	<0.00001 J3	<0.00001		
Endosulfan sulfate						<0.00001			<0.00001	<0.00001	<0.00001		
Endrin	0.002	0.01				<0.00001			<0.00001	<0.00001	<0.00001		
Endrin aldehyde						<0.00001			<0.00001	<0.00001	<0.00001		
Endrin ketone						<0.00001			<0.00001	<0.00001	<0.00001		
Heptachlor	0.0004	0.002				<0.00001			<0.00001	<0.00001	<0.00001		
Heptachlor epoxide	0.0002	0.001				<0.00001			<0.00001	<0.00001	<0.00001		
Methoxychlor	0.04	0.2				<0.000025			<0.000025	<0.000025	<0.000025		
Toxaphene	0.003	0.015				<0.003			<0.003	<0.003	<0.003		
Aroclor 1016						<0.0001			<0.0001	<0.0001	<0.0001		

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1212-12	22I1132-13	23H1219-05	23I0393-06	22I1132-13	23I0453-03	23H1219-05	23I0453-05		23I0453-01
			Sample Name	RW-10DD	G921	G948	G976	G921	G9MW45	G948	G9MW9D		FB1
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water		Water
			Date sampled	9/28/2022	9/27/2022	8/22/2023	9/12/2023	9/27/2022	9/13/2023	8/22/2023	9/13/2023		9/13/2023
			Time sampled	3:40 PM	12:50 PM	2:10 PM	1:10 PM	12:50 PM	1:25 PM	2:10 PM	1:35 PM		10:35 AM
			% Solids										
	Water	Water											
Aroclor 1221						<0.0001			<0.0001	<0.0001	<0.0001		
Aroclor 1232						<0.0001			<0.0001	<0.0001	<0.0001		
Aroclor 1242						<0.0001			<0.0001	<0.0001	<0.0001		
Aroclor 1248						<0.0001			<0.0001	<0.0001	<0.0001		
Aroclor 1254						<0.0001			<0.0001	<0.0001	<0.0001		
Aroclor 1260						<0.0001			<0.0001	<0.0001	<0.0001		
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	3.5	3.5											
pH - Standard Units													
pH						7.2 Q	7.6 Q		7.3 Q	7.2 Q	7.8 Q		6.3 Q
						16.6	17		18.1	16.6	18.5		19.5

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1212-07	23H1123-11	23H1123-12	23H1144-11	23H1144-21	23H1219-01	23H1219-12	23H1260-01	23H1260-12	23I0313-05
			Sample Name	FB1	TB-01	TB-02	TB-03	TB-04	TB-05	TB-06	TB-07	TB-08	TB-01
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/28/2022	8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/23/2023	8/23/2023	9/11/2023
			Time sampled	11:15 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	2:20 PM
			% Solids										
	Water	Water											
Inorganics - mg/kg or mg/L													
Aluminum	3.5	5		<0.1									
Antimony	0.006	0.024		<0.01									
Arsenic	0.05	0.2		<0.01									
Barium	2	2		<0.01									
Beryllium	0.004	0.5		<0.001									
Boron	2	2		0.0275									
Cadmium	0.005	0.05		<0.003									
Cadmium, Dissolved	0.005	0.05											
Calcium	---	---		0.573									
Chromium	0.1	1		<0.005									
Chromium, Hexavalent	---	---											
Cobalt	1	1		<0.01									
Copper	0.65	0.65		<0.01									
Copper, Dissolved	0.65	0.65											
Cyanide (amenable)	0.2	0.6						0.6					
Cyanide				<0.01									
Hardness				<1.98									
Iron	5	5		<0.15									
Lead	0.0075	0.1		<0.005									
Lead, Dissolved	0.0075	0.1											
Magnesium	---	---		<0.3									
Manganese	0.15	10		<0.015									
Mercury	0.002	0.01		<0.00006									
Nickel	0.1	2		<0.005									
Potassium	---	---		<1.4									
Selenium	0.05	0.05		<0.025									
Silver	0.05	---		<0.003									
Sodium	---	---		<0.3									
Strontium	4.2	---		<0.005									
Thallium	0.002	0.02		<0.01									
Vanadium	0.049	0.1		<0.005									
Zinc	5	10		<0.025									
Zinc, Dissolved	5	10											
Volatiles Organics - mg/kg or mg/L													
Acetone	6.3	6.3		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromobenzene	4.3	0.7		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloroethene													
Bromochloromethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	0.0002	0.0002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromoform	0.001	0.001		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	0.0098	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	4.2	4.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon tetrachloride	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	---	---		<0.002	<0.002 O2	<0.002 O2	<0.002 O2	<0.002 O2	<0.002 O2	<0.002 O2	<0.002 O2	<0.002 O2	<0.002
Chloroform	0.0002	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloromethane	---	---		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromochloromethane	0.14	0.14		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromomethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethane	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloroethane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,2-Dichloroethene	0.07	0.2		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,2-Dichloroethene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloropropene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloropropane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropane	0.14	0.14		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,2-Dichloropropane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,3-Dichloropropene	0.001	0.005		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	0.001	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.7	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Hexanone (MBK)	---	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isobutyl acetate													
Isopropylbenzene (Cumene)	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride	0.005	0.05		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether	0.07	0.07		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4-Methyl-2pentanone (MIBK)	---	---		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Stryene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	0.005	0.025		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	2.1	10.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1	2.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1-Trichloroethane	0.2	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2-Trichloroethane	0.005	0.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	0.001	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1,2-Tetrachloroethane	0.21	1.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2,2-Tetrachloroehtane	0.42	0.42		<0.002	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1	<0.002
Trichloroethene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl chloride	0.002	0.01		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes, Total	10	10		<0.002	0.0032	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	0.42	2.1											
Acenaphthylene	0.21	1.05											
Acetophenone													
Anthracene	2.1	10.5											
Azobenzene													
Benzo(a)anthracene	0.00013	0.00065											
Benzo(b)fluoranthene	0.00018	0.0009											
Benzo(k)fluoranthene	0.00017	0.00085											
Benzo(q,h,i)perylene	0.21	1.05											
Benzo(a)pyrene	0.0002	0.002											
Bis(2-chloroethyl)ether	0.01	0.01											
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate	0.006	0.06											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate	1.4	7											

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1212-07	23H1123-11	23H1123-12	23H1144-11	23H1144-21	23H1219-01	23H1219-12	23H1260-01	23H1260-12	23I0313-05
			Sample Name	FB1	TB-01	TB-02	TB-03	TB-04	TB-05	TB-06	TB-07	TB-08	TB-01
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/28/2022	8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/23/2023	8/23/2023	9/11/2023
			Time sampled	11:15 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	2:20 PM
			% Solids										
	Water	Water											
Carbazole	---	---											
4-Chloro-3-methylphenol													
4-Chloroaniline	0.028	0.028											
1-Chloronaphthalene													
2-Chloronaphthalene	0.56	2.8											
2-Chlorophenol	0.035	0.035											
4-Chlorophenyl phenyl ether													
Chrysene	0.0015	0.0075											
1,2-Dichlorobenzene	0.6	1.5											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene	0.075	0.375											
2,4-Dichlorophenol	0.021	0.021											
Di-n-butyl phthalate	0.7	3.5											
Di-n-octyl phthalate	0.14	0.7											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene	0.0007	0.0007											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene	0.00031	0.00031											
2,4-Dinitrophenol	0.014	0.014											
2,4-Dinitrotoluene	0.00002	0.0002											
Dibenz(a,h)anthracene	0.0003	0.0015											
Dibenzofuran	0.028	0.14											
3,3'-Dichlorobenzidine	0.02	0.1											
2,6-Dichlorophenol													
Diethyl phthalate	5.6	5.6											
Dimethyl phthalate	70	70											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol	0.14	0.14											
4,6-Dinitro-2-methylphenol													
Diphenylamine	0.175	0.875											
Fluoranthene	0.28	1.4											
Fluorene	0.28	1.4											
Hexachlorobenzene													
Hexachlorobutadiene	0.007	0.035											
Hexachlorocyclopentadiene													
Hexachloroethane	0.007	0.035											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene	0.00043	0.00215											
Isodrin													
Isophorone	1.4	1.4											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene	0.028	0.14											
2-Methylphenol	0.35	0.35											
4-Methylphenol	0.35	0.35											
Naphthalene	0.14	0.22											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline	0.21	0.21											
3-Nitroaniline													
4-Nitroaniline	0.021	0.021											
Nitrobenzene	0.0035	0.0035											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol	---	---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine	0.0018	0.0018											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene	---	---											
Pentachloronitrobenzene													
Pentachlorophenol	0.001	0.005											
Phenacetin													
Phenanthrene	0.21	1.05											
Phenol	0.1	0.1											
2-Picoline													
Pronamide													
Pyrene	0.21	1.05											
Pyridine	0.007	0.007											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene	0.07	0.7											
2,4,5-Trichlorophenol	0.7	0.7											
2,4,6-Trichlorophenol	0.01	0.01											

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.014	0.07											
alpha-BHC	0.00011	0.00055											
beta-BHC													
delta-BHC													
gamma-BHC	0.0002	0.001											
alpha-Chlordane	0.002	0.03											
gamma-Chlordane	0.002	0.01											
Dieldrin	0.009	0.045											
p,p'-DDT	0.006	0.03											
p,p'-DDD	0.014	0.07											
p,p'-DDE	0.01	0.05											
Endosulfan I	0.042	0.21											
Endosulfan II													
Endosulfan sulfate													
Endrin	0.002	0.01											
Endrin aldehyde													
Endrin ketone													
Heptachlor	0.0004	0.002											
Heptachlor epoxide	0.0002	0.001											
Methoxychlor	0.04	0.2											
Toxaphene	0.003	0.015											
Aroclor 1016													

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II											
			Lab Sample #	22I1212-07	23H1123-11	23H1123-12	23H1144-11	23H1144-21	23H1219-01	23H1219-12	23H1260-01	23H1260-12	23I0313-05
			Sample Name	FB1	TB-01	TB-02	TB-03	TB-04	TB-05	TB-06	TB-07	TB-08	TB-01
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/28/2022	8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/23/2023	8/23/2023	9/11/2023
			Time sampled	11:15 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	2:20 PM
	Water	Water	% Solids										
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	3.5	3.5											
pH - Standard Units													
pH													

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	23I0395-02	23I0387-07	23I0394-01	23I0393-05	23I0451-05	23I0452-01	23I0453-02	23H1260-12	23H1261-01	23H1261-11
			Sample Name	TB2	TB3	TB4	TB5	TB6	TB7	TB8	TB-08	TB-09	TB-10
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/13/2023	9/13/2023	9/13/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	8:20 AM	2:15 PM	3:35 PM	5:30 PM	8:35 AM	10:25 AM	10:35 AM	12:00 AM	12:00 AM	12:00 AM
			% Solids										
	Water	Water											
Inorganics - mg/kg or mg/L													
Aluminum	3.5	5											
Antimony	0.006	0.024											
Arsenic	0.05	0.2											
Barium	2	2											
Beryllium	0.004	0.5											
Boron	2	2											
Cadmium	0.005	0.05											
Cadmium, Dissolved	0.005	0.05											
Calcium	---	---											
Chromium	0.1	1											
Chromium, Hexavalent	---	---											
Cobalt	1	1											
Copper	0.65	0.65											
Copper, Dissolved	0.65	0.65											
Cyanide (amenable)	0.2	0.6											
Cyanide													
Hardness													
Iron	5	5											
Lead	0.0075	0.1											
Lead, Dissolved	0.0075	0.1											
Magnesium	---	---											
Manganese	0.15	10											
Mercury	0.002	0.01											
Nickel	0.1	2											
Potassium	---	---											
Selenium	0.05	0.05											
Silver	0.05	---											
Sodium	---	---											
Strontium	4.2	---											
Thallium	0.002	0.02											
Vanadium	0.049	0.1											
Zinc	5	10											
Zinc, Dissolved	5	10											
Volatiles Organics - mg/kg or mg/L													
Acetone	6.3	6.3		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromobenzene	4.3	0.7		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloroethene													
Bromochloromethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	0.0002	0.0002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromoform	0.001	0.001		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	0.0098	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	4.2	4.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon tetrachloride	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	---	---		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002 O2	<0.002 O2	<0.002 O2
Chloroform	0.0002	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloromethane	---	---		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromochloromethane	0.14	0.14		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromomethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethane	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloroethane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,2-Dichloroethene	0.07	0.2		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,2-Dichloroethene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloropropene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloropropane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropane	0.14	0.14		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,2-Dichloropropane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,3-Dichloropropene	0.001	0.005		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	0.001	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.7	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Hexanone (MBK)	---	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isobutyl acetate													
Isopropylbenzene (Cumene)	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride	0.005	0.05		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether	0.07	0.07		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4-Methyl-2pentanone (MIBK)	---	---		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Stryene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	0.005	0.025		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	2.1	10.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1	2.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1-Trichloroethane	0.2	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2-Trichloroethane	0.005	0.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	0.001	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1,2-Tetrachloroethane	0.21	1.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2,2-Tetrachloroehtane	0.42	0.42		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002 J5, O1	<0.002 J5, O1	<0.002 J5, O1
Trichloroethene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl chloride	0.002	0.01		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes, Total	10	10		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	0.42	2.1											
Acenaphthylene	0.21	1.05											
Acetophenone													
Anthracene	2.1	10.5											
Azobenzene													
Benzo(a)anthracene	0.00013	0.00065											
Benzo(b)fluoranthene	0.00018	0.0009											
Benzo(k)fluoranthene	0.00017	0.00085											
Benzo(q,h,i)perylene	0.21	1.05											
Benzo(a)pyrene	0.0002	0.002											
Bis(2-chloroethyl)ether	0.01	0.01											
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate	0.006	0.06											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate	1.4	7											

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	23I0395-02	23I0387-07	23I0394-01	23I0393-05	23I0451-05	23I0452-01	23I0453-02	23H1260-12	23H1261-01	23H1261-11
			Sample Name	TB2	TB3	TB4	TB5	TB6	TB7	TB8	TB-08	TB-09	TB-10
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/13/2023	9/13/2023	9/13/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	8:20 AM	2:15 PM	3:35 PM	5:30 PM	8:35 AM	10:25 AM	10:35 AM	12:00 AM	12:00 AM	12:00 AM
			% Solids										
	Water	Water											
Carbazole	---	---											
4-Chloro-3-methylphenol													
4-Chloroaniline	0.028	0.028											
1-Chloronaphthalene													
2-Chloronaphthalene	0.56	2.8											
2-Chlorophenol	0.035	0.035											
4-Chlorophenyl phenyl ether													
Chrysene	0.0015	0.0075											
1,2-Dichlorobenzene	0.6	1.5											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene	0.075	0.375											
2,4-Dichlorophenol	0.021	0.021											
Di-n-butyl phthalate	0.7	3.5											
Di-n-octyl phthalate	0.14	0.7											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene	0.0007	0.0007											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene	0.00031	0.00031											
2,4-Dinitrophenol	0.014	0.014											
2,4-Dinitrotoluene	0.00002	0.0002											
Dibenz(a,h)anthracene	0.0003	0.0015											
Dibenzofuran	0.028	0.14											
3,3'-Dichlorobenzidine	0.02	0.1											
2,6-Dichlorophenol													
Diethyl phthalate	5.6	5.6											
Dimethyl phthalate	70	70											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol	0.14	0.14											
4,6-Dinitro-2-methylphenol													
Diphenylamine	0.175	0.875											
Fluoranthene	0.28	1.4											
Fluorene	0.28	1.4											
Hexachlorobenzene													
Hexachlorobutadiene	0.007	0.035											
Hexachlorocyclopentadiene													
Hexachloroethane	0.007	0.035											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene	0.00043	0.00215											
Isodrin													
Isophorone	1.4	1.4											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene	0.028	0.14											
2-Methylphenol	0.35	0.35											
4-Methylphenol	0.35	0.35											
Naphthalene	0.14	0.22											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline	0.21	0.21											
3-Nitroaniline													
4-Nitroaniline	0.021	0.021											
Nitrobenzene	0.0035	0.0035											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol	---	---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine	0.0018	0.0018											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene	---	---											
Pentachloronitrobenzene													
Pentachlorophenol	0.001	0.005											
Phenacetin													
Phenanthrene	0.21	1.05											
Phenol	0.1	0.1											
2-Picoline													
Pronamide													
Pyrene	0.21	1.05											
Pyridine	0.007	0.007											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene	0.07	0.7											
2,4,5-Trichlorophenol	0.7	0.7											
2,4,6-Trichlorophenol	0.01	0.01											

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.014	0.07											
alpha-BHC	0.00011	0.00055											
beta-BHC													
delta-BHC													
gamma-BHC	0.0002	0.001											
alpha-Chlordane	0.002	0.03											
gamma-Chlordane	0.002	0.01											
Dieldrin	0.009	0.045											
p,p'-DDT	0.006	0.03											
p,p'-DDD	0.014	0.07											
p,p'-DDE	0.01	0.05											
Endosulfan I	0.042	0.21											
Endosulfan II													
Endosulfan sulfate													
Endrin	0.002	0.01											
Endrin aldehyde													
Endrin ketone													
Heptachlor	0.0004	0.002											
Heptachlor epoxide	0.0002	0.001											
Methoxychlor	0.04	0.2											
Toxaphene	0.003	0.015											
Aroclor 1016													

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II											
			Lab Sample #	23I0395-02	23I0387-07	23I0394-01	23I0393-05	23I0451-05	23I0452-01	23I0453-02	23H1260-12	23H1261-01	23H1261-11
			Sample Name	TB2	TB3	TB4	TB5	TB6	TB7	TB8	TB-08	TB-09	TB-10
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/13/2023	9/13/2023	9/13/2023	8/23/2023	8/23/2023	8/23/2023
			Time sampled	8:20 AM	2:15 PM	3:35 PM	5:30 PM	8:35 AM	10:25 AM	10:35 AM	12:00 AM	12:00 AM	12:00 AM
			% Solids										
	Water	Water											
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	3.5	3.5											
pH - Standard Units													
pH													

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1083-10	22I1083-11	22I1080-15	22I1080-16	22I1136-04	22I1136-05	22I1132-05	22I1132-06	22I1134-05	22I1134-06
			Sample Name	TB01	TB02	TB03	TB04	TB05	TB06	TB07	TB08	TB09	TB10
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	3:30 PM	3:30 PM	7:15 PM	7:15 PM	9:20 AM	9:20 AM	11:55 AM	11:55 AM	3:20 PM	3:20 PM
			% Solids										
	Water	Water											
Inorganics - mg/kg or mg/L													
Aluminum	3.5	5											
Antimony	0.006	0.024											
Arsenic	0.05	0.2											
Barium	2	2											
Beryllium	0.004	0.5											
Boron	2	2											
Cadmium	0.005	0.05											
Cadmium, Dissolved	0.005	0.05											
Calcium	---	---											
Chromium	0.1	1											
Chromium, Hexavalent	---	---											
Cobalt	1	1											
Copper	0.65	0.65											
Copper, Dissolved	0.65	0.65											
Cyanide (amenable)	0.2	0.6											
Cyanide													
Hardness													
Iron	5	5											
Lead	0.0075	0.1											
Lead, Dissolved	0.0075	0.1											
Magnesium	---	---											
Manganese	0.15	10											
Mercury	0.002	0.01											
Nickel	0.1	2											
Potassium	---	---											
Selenium	0.05	0.05											
Silver	0.05	---											
Sodium	---	---											
Strontium	4.2	---											
Thallium	0.002	0.02											
Vanadium	0.049	0.1											
Zinc	5	10											
Zinc, Dissolved	5	10											
Volatiles Organics - mg/kg or mg/L													
Acetone	6.3	6.3		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromobenzene	4.3	0.7		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromochloroethene													
Bromochloromethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	0.0002	0.0002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromoform	0.001	0.001		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	0.0098	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	4.2	4.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbon tetrachloride	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorobenzene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	---	---		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroform	0.0002	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloromethane	---	---		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromochloromethane	0.14	0.14		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibromomethane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethane	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloroethane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,2-Dichloroethene	0.07	0.2		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,2-Dichloroethene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1-Dichloropropene				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dichloropropane	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropane	0.14	0.14		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,2-Dichloropropane				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
cis-1,3-Dichloropropene	0.001	0.005		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	0.001	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.7	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Hexanone (MBK)	---	---		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isobutyl acetate													
Isopropylbenzene (Cumene)	0.7	3.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride	0.005	0.05		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether	0.07	0.07		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4-Methyl-2pentanone (MIBK)	---	---		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Stryene	0.1	0.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	0.005	0.025		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	2.1	10.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	1	2.5		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1-Trichloroethane	0.2	1		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2-Trichloroethane	0.005	0.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	0.001	0.001		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,1,2-Tetrachloroethane	0.21	1.05		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,1,2,2-Tetrachloroehtane	0.42	0.42		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene	0.005	0.025		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vinyl chloride	0.002	0.01		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes, Total	10	10		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Semi-Volatiles - mg/kg or mg/L													
Acenaphthene	0.42	2.1											
Acenaphthylene	0.21	1.05											
Acetophenone													
Anthracene	2.1	10.5											
Azobenzene													
Benzo(a)anthracene	0.00013	0.00065											
Benzo(b)fluoranthene	0.00018	0.0009											
Benzo(k)fluoranthene	0.00017	0.00085											
Benzo(q,h,i)perylene	0.21	1.05											
Benzo(a)pyrene	0.0002	0.002											
Bis(2-chloroethyl)ether	0.01	0.01											
Bis(2-chloroethoxy)methane													
Bis(2-ethylhexyl)phthalate	0.006	0.06											
4-Bromophenyl phenyl ether													
Butyl benzyl phthalate	1.4	7											

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1083-10	22I1083-11	22I1080-15	22I1080-16	22I1136-04	22I1136-05	22I1132-05	22I1132-06	22I1134-05	22I1134-06
			Sample Name	TB01	TB02	TB03	TB04	TB05	TB06	TB07	TB08	TB09	TB10
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	3:30 PM	3:30 PM	7:15 PM	7:15 PM	9:20 AM	9:20 AM	11:55 AM	11:55 AM	3:20 PM	3:20 PM
			% Solids										
	Water	Water											
Carbazole	---	---											
4-Chloro-3-methylphenol													
4-Chloroaniline	0.028	0.028											
1-Chloronaphthalene													
2-Chloronaphthalene	0.56	2.8											
2-Chlorophenol	0.035	0.035											
4-Chlorophenyl phenyl ether													
Chrysene	0.0015	0.0075											
1,2-Dichlorobenzene	0.6	1.5											
1,3-Dichlorobenzene													
1,4-Dichlorobenzene	0.075	0.375											
2,4-Dichlorophenol	0.021	0.021											
Di-n-butyl phthalate	0.7	3.5											
Di-n-octyl phthalate	0.14	0.7											
1,2-Dinitrobenzene													
1,3-Dinitrobenzene	0.0007	0.0007											
1,4-Dinitrobenzene													
2,6-Dinitrotoluene	0.00031	0.00031											
2,4-Dinitrophenol	0.014	0.014											
2,4-Dinitrotoluene	0.00002	0.0002											
Dibenz(a,h)anthracene	0.0003	0.0015											
Dibenzofuran	0.028	0.14											
3,3'-Dichlorobenzidine	0.02	0.1											
2,6-Dichlorophenol													
Diethyl phthalate	5.6	5.6											
Dimethyl phthalate	70	70											
p-Dimethylaminoazobenzene													
7,12-Dimethylbenzo(a)anthracene													
2,4-Dimethylphenol	0.14	0.14											
4,6-Dinitro-2-methylphenol													
Diphenylamine	0.175	0.875											
Fluoranthene	0.28	1.4											
Fluorene	0.28	1.4											
Hexachlorobenzene													
Hexachlorobutadiene	0.007	0.035											
Hexachlorocyclopentadiene													
Hexachloroethane	0.007	0.035											
Hexachloropropene													
Indeno(1,2,3-cd)pyrene	0.00043	0.00215											
Isodrin													
Isophorone	1.4	1.4											
Isosafrole													
Mestranol													
Ethyl methanesulfonate													
Methyl methanesulfonate													
2-Methylnaphthalene	0.028	0.14											
2-Methylphenol	0.35	0.35											
4-Methylphenol	0.35	0.35											
Naphthalene	0.14	0.22											
1-Naphthylamine													
2-Naphthylamine													
5-Nitroacenaphthene													
2-Nitroaniline	0.21	0.21											
3-Nitroaniline													
4-Nitroaniline	0.021	0.021											
Nitrobenzene	0.0035	0.0035											
4-Nitrobiphenyl													
2-Nitrophenol													
4-Nitrophenol	---	---											
N-Nitrosodi-n-butylamine													
N-Nitrosodi-n-propylamine	0.0018	0.0018											
N-Nitrosopiperidine													
2,2'-Oxybis (1-chloropropane)													
Pentachlorobenzene	---	---											
Pentachloronitrobenzene													
Pentachlorophenol	0.001	0.005											
Phenacetin													
Phenanthrene	0.21	1.05											
Phenol	0.1	0.1											
2-Picoline													
Pronamide													
Pyrene	0.21	1.05											
Pyridine	0.007	0.007											
Safrole													
1,2,4,5-Tetrachlorobenzene													
2,3,4,6-Tetrachlorophenol													
1,2,4-Trichlorobenzene	0.07	0.7											
2,4,5-Trichlorophenol	0.7	0.7											
2,4,6-Trichlorophenol	0.01	0.01											

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.014	0.07											
alpha-BHC	0.00011	0.00055											
beta-BHC													
delta-BHC													
gamma-BHC	0.0002	0.001											
alpha-Chlordane	0.002	0.03											
gamma-Chlordane	0.002	0.01											
Dieldrin	0.009	0.045											
p,p'-DDT	0.006	0.03											
p,p'-DDD	0.014	0.07											
p,p'-DDE	0.01	0.05											
Endosulfan I	0.042	0.21											
Endosulfan II													
Endosulfan sulfate													
Endrin	0.002	0.01											
Endrin aldehyde													
Endrin ketone													
Heptachlor	0.0004	0.002											
Heptachlor epoxide	0.0002	0.001											
Methoxychlor	0.04	0.2											
Toxaphene	0.003	0.015											
Aroclor 1016													

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II											
			Lab Sample #	22I1083-10	22I1083-11	22I1080-15	22I1080-16	22I1136-04	22I1136-05	22I1132-05	22I1132-06	22I1134-05	22I1134-06
			Sample Name	TB01	TB02	TB03	TB04	TB05	TB06	TB07	TB08	TB09	TB10
			Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
			Time sampled	3:30 PM	3:30 PM	7:15 PM	7:15 PM	9:20 AM	9:20 AM	11:55 AM	11:55 AM	3:20 PM	3:20 PM
			% Solids										
	Water	Water											
Aroclor 1221													
Aroclor 1232													
Aroclor 1242													
Aroclor 1248													
Aroclor 1254													
Aroclor 1260													
Dioxins - ng/Kg (ppt)													
2,3,7,8-TCDD Equivalence													
Alcohols - mg/kg or mg/L													
Methanol	3.5	3.5											
pH - Standard Units													
pH													

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1169-05	22I1169-06	22I1212-05	22I1212-06
			Sample Name	TB11	TB12	TB13	TB14
			Matrix	Water	Water	Water	Water
			Date sampled	9/28/2022	9/28/2022	9/28/2022	9/28/2022
			Time sampled	10:05 AM	10:05 AM	10:50 AM	10:50 AM
			% Solids				
	Water	Water					
Inorganics - mg/kg or mg/L							
Aluminum	3.5	5					
Antimony	0.006	0.024					
Arsenic	0.05	0.2					
Barium	2	2					
Beryllium	0.004	0.5					
Boron	2	2					
Cadmium	0.005	0.05					
Cadmium, Dissolved	0.005	0.05					
Calcium	---	---					
Chromium	0.1	1					
Chromium, Hexavalent	---	---					
Cobalt	1	1					
Copper	0.65	0.65					
Copper, Dissolved	0.65	0.65					
Cyanide (amenable)	0.2	0.6					
Cyanide							
Hardness							
Iron	5	5					
Lead	0.0075	0.1					
Lead, Dissolved	0.0075	0.1					
Magnesium	---	---					
Manganese	0.15	10					
Mercury	0.002	0.01					
Nickel	0.1	2					
Potassium	---	---					
Selenium	0.05	0.05					
Silver	0.05	---					
Sodium	---	---					
Strontium	4.2	---					
Thallium	0.002	0.02					
Vanadium	0.049	0.1					
Zinc	5	10					
Zinc, Dissolved	5	10					
Volatiles Organics - mg/kg or mg/L							
Acetone	6.3	6.3		<0.01	<0.01	<0.01	<0.01
Benzene	0.005	0.025		<0.002	<0.002	<0.002	<0.002
Bromobenzene	4.3	0.7		<0.002	<0.002	<0.002	<0.002
Bromochloroethene							
Bromochloromethane				<0.002	<0.002	<0.002	<0.002
Bromodichloromethane	0.0002	0.0002		<0.002	<0.002	<0.002	<0.002
Bromoform	0.001	0.001		<0.005	<0.005	<0.005	<0.005
Bromomethane	0.0098	0.049		<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	4.2	4.2		<0.01	<0.01	<0.01	<0.01
Carbon Disulfide	0.7	3.5		<0.002	<0.002	<0.002	<0.002
Carbon tetrachloride	0.005	0.025		<0.002	<0.002	<0.002	<0.002
Chlorobenzene	0.1	0.5		<0.002	<0.002	<0.002	<0.002
Chloroethane	---	---		<0.002	<0.002	<0.002	<0.002
Chloroform	0.0002	0.001		<0.002	<0.002	<0.002	<0.002
Chloromethane	---	---		<0.002	<0.002	<0.002	<0.002
Dibromochloromethane	0.14	0.14		<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane				<0.002	<0.002	<0.002	<0.002
Dibromomethane				<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethane	0.7	3.5		<0.002	<0.002	<0.002	<0.002
1,2-Dichloroethane	0.005	0.025		<0.002	<0.002	<0.002	<0.002
1,1-Dichloroethene				<0.002	<0.002	<0.002	<0.002
cis-1,2-Dichloroethene	0.07	0.2		<0.002	<0.002	<0.002	<0.002
trans-1,2-Dichloroethene	0.1	0.5		<0.002	<0.002	<0.002	<0.002
1,1-Dichloropropene				<0.002	<0.002	<0.002	<0.002
1,2-Dichloropropane	0.005	0.025		<0.002	<0.002	<0.002	<0.002
1,3-Dichloropropane	0.14	0.14		<0.002	<0.002	<0.002	<0.002
2,2-Dichloropropane				<0.002	<0.002	<0.002	<0.002
cis-1,3-Dichloropropene	0.001	0.005		<0.002	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	0.001	0.005		<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.7	1		<0.002	<0.002	<0.002	<0.002
2-Hexanone (MBK)	---	---		<0.005	<0.005	<0.005	<0.005
Isobutyl acetate							
Isopropylbenzene (Cumene)	0.7	3.5		<0.002	<0.002	<0.002	<0.002
Methylene Chloride	0.005	0.05		<0.005	<0.005	<0.005	<0.005
Methyl tert-butyl ether	0.07	0.07		<0.002	<0.002	<0.002	<0.002
4-Methyl-2pentanone (MIBK)	---	---		<0.01	<0.01	<0.01	<0.01
Stryene	0.1	0.5		<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	0.005	0.025		<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	2.1	10.5		<0.002	<0.002	<0.002	<0.002
Toluene	1	2.5		<0.002	<0.002	<0.002	<0.002
1,1,1-Trichloroethane	0.2	1		<0.002	<0.002	<0.002	<0.002
1,1,2-Trichloroethane	0.005	0.05		<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	0.001	0.001		<0.002	<0.002	<0.002	<0.002
1,1,1,2-Tetrachloroethane	0.21	1.05		<0.002	<0.002	<0.002	<0.002
1,1,2,2-Tetrachloroehtane	0.42	0.42		<0.002	<0.002	<0.002	<0.002
Trichloroethene	0.005	0.025		<0.002	<0.002	<0.002	<0.002
Vinyl chloride	0.002	0.01		<0.002	<0.002	<0.002	<0.002
Xylenes, Total	10	10		<0.002	<0.002	<0.002	<0.002
Semi-Volatiles - mg/kg or mg/L							
Acenaphthene	0.42	2.1					
Acenaphthylene	0.21	1.05					
Acetophenone							
Anthracene	2.1	10.5					
Azobenzene							
Benzo(a)anthracene	0.00013	0.00065					
Benzo(b)fluoranthene	0.00018	0.0009					
Benzo(k)fluoranthene	0.00017	0.00085					
Benzo(g,h,i)perylene	0.21	1.05					
Benzo(a)pyrene	0.0002	0.002					
Bis(2-chloroethyl)ether	0.01	0.01					
Bis(2-chloroethoxy)methane							
Bis(2-ethylhexyl)phthalate	0.006	0.06					
4-Bromophenyl phenyl ether							
Butyl benzyl phthalate	1.4	7					

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II	Lab Sample #	22I1169-05	22I1169-06	22I1212-05	22I1212-06
			Sample Name	TB11	TB12	TB13	TB14
			Matrix	Water	Water	Water	Water
			Date sampled	9/28/2022	9/28/2022	9/28/2022	9/28/2022
			Time sampled	10:05 AM	10:05 AM	10:50 AM	10:50 AM
			% Solids				
	Water	Water					
Carbazole	---	---					
4-Chloro-3-methylphenol							
4-Chloroaniline	0.028	0.028					
1-Chloronaphthalene							
2-Chloronaphthalene	0.56	2.8					
2-Chlorophenol	0.035	0.035					
4-Chlorophenyl phenyl ether							
Chrysene	0.0015	0.0075					
1,2-Dichlorobenzene	0.6	1.5					
1,3-Dichlorobenzene							
1,4-Dichlorobenzene	0.075	0.375					
2,4-Dichlorophenol	0.021	0.021					
Di-n-butyl phthalate	0.7	3.5					
Di-n-octyl phthalate	0.14	0.7					
1,2-Dinitrobenzene							
1,3-Dinitrobenzene	0.0007	0.0007					
1,4-Dinitrobenzene							
2,6-Dinitrotoluene	0.00031	0.00031					
2,4-Dinitrophenol	0.014	0.014					
2,4-Dinitrotoluene	0.00002	0.0002					
Dibenz(a,h)anthracene	0.0003	0.0015					
Dibenzofuran	0.028	0.14					
3,3'-Dichlorobenzidine	0.02	0.1					
2,6-Dichlorophenol							
Diethyl phthalate	5.6	5.6					
Dimethyl phthalate	70	70					
p-Dimethylaminoazobenzene							
7,12-Dimethylbenzo(a)anthracene							
2,4-Dimethylphenol	0.14	0.14					
4,6-Dinitro-2-methylphenol							
Diphenylamine	0.175	0.875					
Fluoranthene	0.28	1.4					
Fluorene	0.28	1.4					
Hexachlorobenzene							
Hexachlorobutadiene	0.007	0.035					
Hexachlorocyclopentadiene							
Hexachloroethane	0.007	0.035					
Hexachloropropene							
Indeno(1,2,3-cd)pyrene	0.00043	0.00215					
Isodrin							
Isophorone	1.4	1.4					
Isosafrole							
Mestranol							
Ethyl methanesulfonate							
Methyl methanesulfonate							
2-Methylnaphthalene	0.028	0.14					
2-Methylphenol	0.35	0.35					
4-Methylphenol	0.35	0.35					
Naphthalene	0.14	0.22					
1-Naphthylamine							
2-Naphthylamine							
5-Nitroacenaphthene							
2-Nitroaniline	0.21	0.21					
3-Nitroaniline							
4-Nitroaniline	0.021	0.021					
Nitrobenzene	0.0035	0.0035					
4-Nitrobiphenyl							
2-Nitrophenol							
4-Nitrophenol	---	---					
N-Nitrosodi-n-butylamine							
N-Nitrosodi-n-propylamine	0.0018	0.0018					
N-Nitrosopiperidine							
2,2'-Oxybis (1-chloropropane)							
Pentachlorobenzene	---	---					
Pentachloronitrobenzene							
Pentachlorophenol	0.001	0.005					
Phenacetin							
Phenanthrene	0.21	1.05					
Phenol	0.1	0.1					
2-Picoline							
Pronamide							
Pyrene	0.21	1.05					
Pyridine	0.007	0.007					
Safrole							
1,2,4,5-Tetrachlorobenzene							
2,3,4,6-Tetrachlorophenol							
1,2,4-Trichlorobenzene	0.07	0.7					
2,4,5-Trichlorophenol	0.7	0.7					
2,4,6-Trichlorophenol	0.01	0.01					

Pesticides/PCBs - mg/kg or mg/L

Aldrin	0.014	0.07					
alpha-BHC	0.00011	0.00055					
beta-BHC							
delta-BHC							
gamma-BHC	0.0002	0.001					
alpha-Chlordane	0.002	0.03					
gamma-Chlordane	0.002	0.01					
Dieldrin	0.009	0.045					
p,p'-DDT	0.006	0.03					
p,p'-DDD	0.014	0.07					
p,p'-DDE	0.01	0.05					
Endosulfan I	0.042	0.21					
Endosulfan II							
Endosulfan sulfate							
Endrin	0.002	0.01					
Endrin aldehyde							
Endrin ketone							
Heptachlor	0.0004	0.002					
Heptachlor epoxide	0.0002	0.001					
Methoxychlor	0.04	0.2					
Toxaphene	0.003	0.015					
Aroclor 1016							

Site:
Project Number:

Work Order: 23I0453
Laboratory: IEPA Laboratory

CHEMICAL NAME	GROUNDWATER INGESTION STANDARD (mg/L) Class I	Class II					
			Lab Sample #	22I1169-05	22I1169-06	22I1212-05	22I1212-06
			Sample Name	TB11	TB12	TB13	TB14
			Matrix	Water	Water	Water	Water
			Date sampled	9/28/2022	9/28/2022	9/28/2022	9/28/2022
			Time sampled	10:05 AM	10:05 AM	10:50 AM	10:50 AM
	Water	Water	% Solids				
Aroclor 1221							
Aroclor 1232							
Aroclor 1242							
Aroclor 1248							
Aroclor 1254							
Aroclor 1260							
Dioxins - ng/Kg (ppt)							
2,3,7,8-TCDD Equivalence							
Alcohols - mg/kg or mg/L							
Methanol	3.5	3.5					
pH - Standard Units							
pH							

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #							
		Sample Name	B1-E (4.5 FT.)	B5-S (5-6 FT.)	B3-W (5-6 FT.)	B5-S (4.5 FT.)	B2-C (5-6 FT.)	B4-N (5-6 FT.)	22I1213-01 X201
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	4/25/2022	4/25/2022	4/25/2022	4/25/2022	4/25/2022	4/25/2022	9/28/2022
		Time sampled							4:00 PM
		% Solids							75.29644
RCRA 8 Metals									
Arsenic	5.00								<0.010 J5
Barium	100.00								0.601 V
Cadmium	1.00								0.02
Chromium	5.00								<0.005
Lead	5.00		11	36	6.0	19	3.2	2.9	0.04
Selenium	1.00								0.050 J6, V
Silver	5.00								0.01
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006								<0.010
Arsenic	0.050								<0.010 J5
Barium	2.000								0.601 V
Beryllium	0.004								<0.001
Cadmium	0.005								0.02
Chromium	0.100								<0.005
Lead	0.0075		11	36	6.0	19	3.2	2.9	0.04
Nickel	0.100								0.12
Selenium	0.050								0.050 J6, V
Silver	0.050								0.01
Thallium	0.002								<0.010
Vanadium	0.049								<0.005
Zinc	5.000								7.79

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1213-02	22I1083-01	22I1083-02	22I1083-03	22I1083-04	22I1083-05	22I1083-06
		Sample Name	X301	SB01 5-8	SB01 10-12	SB02 5-8	SB02 9-12	SB03 0-3	SB03 4-7
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/28/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
		Time sampled	4:40 PM	1:45 PM	2:10 PM	2:05 PM	2:20 PM	2:45 PM	2:50 PM
		% Solids	99.1	80.21978	84.01598	80.2775	86.52695	91.43427	85.25896
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010 I, Y	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010 I, J5, Y
Barium	100.00		0.61	0.802 I, Y	0.333 I, Y	1.76 I, Y	0.159 I, V, Y	0.596 I, Y	1.34 I, Y
Cadmium	1.00		0.08	0.098 I, Y	0.003 I, Y	0.212 I, Y	<0.003 I, Y	<0.003 I, Y	0.267 I, Y
Chromium	5.00		0.01	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y
Lead	5.00		3.60	1.60 I, Y	<0.005 I, Y	3.39 I, Y	<0.005 I, Y	<0.005 I, Y	81.4 I, Y
Selenium	1.00		0.048 J6, V	0.032 I, J6, V, Y	0.058 I, J6, Y	0.045 I, J6, Y	0.031 I, J6, Y	0.025 I, J6, Y	0.040 I, J6, Y
Silver	5.00		<0.003	0.003 I, Y	0.005 I, Y	<0.003 I, Y	0.003 I, Y	0.005 I, Y	<0.003 I, Y
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.06	0.057 B2, I, Y	<0.010 I, Y	0.043 B2, I, Y	<0.010 I, Y	<0.010 I, Y	0.052 B2, I, Y
Arsenic	0.050		<0.010	<0.010 I, Y	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010 I, J5, Y
Barium	2.000		0.61	0.802 I, Y	0.333 I, Y	1.76 I, Y	0.159 I, V, Y	0.596 I, Y	1.34 I, Y
Beryllium	0.004		0.06	<0.001 I, Y	<0.001 I, Y	<0.001 I, Y	<0.001 I, Y	<0.001 I, Y	0.014 I, Y
Cadmium	0.005		0.08	0.098 I, Y	0.003 I, Y	0.212 I, Y	<0.003 I, Y	<0.003 I, Y	0.267 I, Y
Chromium	0.100		0.01	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y
Lead	0.0075		3.60	1.60 I, Y	<0.005 I, Y	3.39 I, Y	<0.005 I, Y	<0.005 I, Y	81.4 I, Y
Nickel	0.100		0.55	0.044 I, Y	0.021 I, Y	0.107 I, Y	0.026 I, Y	0.016 I, Y	0.363 I, Y
Selenium	0.050		0.048 J6, V	0.032 I, J6, V, Y	0.058 I, J6, Y	0.045 I, J6, Y	0.031 I, J6, Y	0.025 I, J6, Y	0.040 I, J6, Y
Silver	0.050		<0.003	0.003 I, Y	0.005 I, Y	<0.003 I, Y	0.003 I, Y	0.005 I, Y	<0.003 I, Y
Thallium	0.002		0.012 V	0.012 I, V, Y	0.025 I, V, Y	<0.010 I, Y	0.051 I, V, Y	0.035 I, V, Y	0.016 I, V, Y
Vanadium	0.049		<0.005	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y
Zinc	5.000		196.00	96.3 I, Y	1.11 I, Y	41.1 I, Y	0.247 I, Y	0.121 I, Y	89.4 I, Y

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1083-07	22I1083-08	22I1083-09	22I1083-13	22I1083-14	22I1083-15	22I1080-01
		Sample Name	SB03 9-11	SB04 4-7	SB04 9-12	SB05 0-3	SB05 6-9	SB05 9-11	SB06 7-8
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
		Time sampled	3:05 PM	2:50 PM	3:00 PM	3:40 PM	3:50 PM	4:00 PM	4:00 PM
		% Solids	83.8806	78.99497	86.65998	91.42572	86.17235	83.13374	
RCRA 8 Metals									
Arsenic	5.00		<0.010 I, J5, Y	<0.010 Y, I, J5	<0.010	<0.010	0.013 V	<0.010	<0.010
Barium	100.00		0.364 I, Y	1.68 Y, I	0.26	0.49	0.96	0.52	2.00
Cadmium	1.00		0.060 I, Y	0.280 Y, I	<0.003	0.00	0.24	0.04	0.24
Chromium	5.00		0.006 I, Y	<0.005 Y, I	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.026 I, Y	22.8 Y, I	0.011 V	0.039 V	234.00	0.055 V	14.20
Selenium	1.00		<0.025 I, J5, Y	0.033 Y, I, J6	0.039 J6, V, I	0.038 J6, V	0.039 J6, V	0.042 V, J6	0.054 I, J6, V
Silver	5.00		0.003 I, Y	<0.003 Y, I	0.00	0.01	<0.003	<0.003	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010 I, Y	0.080 B2, I, Y	<0.010	0.011 B2	0.070 B2	0.010 B2	0.073 B2
Arsenic	0.050		<0.010 I, J5, Y	<0.010 Y, I, J5	<0.010	<0.010	0.013 V	<0.010	<0.010
Barium	2.000		0.364 I, Y	1.68 Y, I	0.26	0.49	0.96	0.52	2.00
Beryllium	0.004		<0.001 I, Y	0.010 Y, I	<0.001	<0.001	0.01	<0.001	0.01
Cadmium	0.005		0.060 I, Y	0.280 Y, I	<0.003	0.00	0.24	0.04	0.24
Chromium	0.100		0.006 I, Y	<0.005 Y, I	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.026 I, Y	22.8 Y, I	0.011 V	0.039 V	234.00	0.055 V	14.20
Nickel	0.100		0.026 I, Y	0.611 Y, I	0.02	0.04	0.27	0.02	0.54
Selenium	0.050		<0.025 I, J5, Y	0.033 Y, I, J6	0.039 J6, V, I	0.038 J6, V	0.039 J6, V	0.042 V, J6	0.054 I, J6, V
Silver	0.050		0.003 I, Y	<0.003 Y, I	0.00	0.01	<0.003	<0.003	<0.003
Thallium	0.002		0.015 I, V, Y	<0.010 Y, I	0.036 V, I	0.019 V	0.078 V	0.030 V	<0.010 I, J3, J7
Vanadium	0.049		<0.005 I, Y	<0.005 I, Y	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		5.93 I, Y	172 I, Y	<0.025 J5	0.858 J6	173 J6	2.00 J6	155.00

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1080-02	22I1080-03	22I1080-04	22I1080-05	22I1080-06	22I1080-12	22I1080-13
		Sample Name	SB06 8.5-10.5	SB07 4-8	SB07 8-10	SB08 6-8	SB08 9-10	SB09 4-7	SB09 9-12
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022
		Time sampled	4:10 PM	4:45 PM	4:50 PM	4:45 PM	5:10 PM	6:15 PM	6:20 PM
		% Solids	77.21393	78.60696	78.9	89.0099	78.6	88.7338	84.9
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010 I, Y
Barium	100.00		0.60	2.51	0.40	1.76	0.48	0.167 V	0.411 I, Y
Cadmium	1.00		0.04	0.69	0.01	0.30	0.01	0.09	0.033 I, Y
Chromium	5.00		0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 I, Y
Lead	5.00		<0.005	79.70	0.025 V	36.90	0.021 V	3.99	0.021 V, I, Y
Selenium	1.00		0.043 J6, V	0.346 J6	0.040 J6, V	0.068 J6, V	0.056 J6, V	0.041 J6, V	0.059 J6, V, I, Y
Silver	5.00		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003 I, Y
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.459 B2	<0.010	0.102 B2	<0.010	0.136 B2	0.055 I, B2, Y
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010 I, Y
Barium	2.000		0.60	2.51	0.40	1.76	0.48	0.167 V	0.411 I, Y
Beryllium	0.004		<0.001	0.00	<0.001	0.01	<0.001	0.004	<0.001 I, Y
Cadmium	0.005		0.04	0.69	0.01	0.30	0.01	0.09	0.033 I, Y
Chromium	0.100		0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 I, Y
Lead	0.0075		<0.005	79.70	0.025 V	36.90	0.021 V	3.99	0.021 V, I, Y
Nickel	0.100		0.02	0.26	0.03	0.66	0.03	1.06	0.034 I, Y
Selenium	0.050		0.043 J6, V	0.346 J6	0.040 J6, V	0.068 J6, V	0.056 J6, V	0.041 J6, V	0.059 J6, V, I, Y
Silver	0.050		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003 I, Y
Thallium	0.002		<0.010 J7	<0.010 J7	0.011 J7, V	<0.010 J7	<0.010 J7	<0.010 J7	<0.010 Y, I
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 Y, I
Zinc	5.000		2.46	144.00	6.80	268.00	3.23	540.00	109 Y, I

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1080-07	22I1080-09	22I1080-10	22I1080-11	22I1080-14	22I1136-01	22I1136-02
		Sample Name	SB10 1-3	SB10 6-7	SB10 9-11	SB11 4-7	SB11 9-12	SB12 9-11	SB12 8.5-10.5
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/27/2022	9/27/2022
		Time sampled	5:25 PM	5:40 PM	5:50 PM	6:00 PM	6:10 PM	9:00 AM	9:15 AM
		% Solids	86.44401	92.33068	79.25851	78.76371	87.01299	91.97225	85.54337
RCRA 8 Metals									
Arsenic	5.00		<0.010	0.018 I, V, Y	0.046 I, V, Y	0.057 I, V, Y	<0.010 Y, I	<0.010	0.03
Barium	100.00		0.40	0.656 I, Y	0.400 I, Y	0.839 I, Y	0.578 Y, I	0.51	0.36
Cadmium	1.00		0.00	0.214 I, Y	0.205 I, Y	0.284 I, Y	0.035 Y, I	0.18	0.02
Chromium	5.00		<0.005	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 Y, I	<0.005	<0.005
Lead	5.00		0.023 V	12.4 I, Y	0.008 I, V, Y	2.19 I, Y	0.011 Y, I, V	14.60	0.01
Selenium	1.00		0.031 J6, V	0.045 I, J6, V, Y	0.084 I, J6, V, Y	0.062 I, J6, V, Y	0.044 I, Y, J6, V	0.040 J6	0.146 J6
Silver	5.00		0.01	<0.003 I, Y	<0.003 I, Y	<0.003 I, Y	0.004 I, Y	<0.003	0.00
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.119 B2, I, Y	0.017 B2, I, Y	0.138 B2, I, Y	0.016 B2, Y, I	0.159 B2	0.02
Arsenic	0.050		<0.010	0.018 I, V, Y	0.046 I, V, Y	0.057 I, V, Y	<0.010 Y, I	<0.010	0.03
Barium	2.000		0.40	0.656 I, Y	0.400 I, Y	0.839 I, Y	0.578 Y, I	0.51	0.36
Beryllium	0.004		<0.001	0.015 I, Y	<0.001 I, Y	<0.001 I, Y	<0.001 Y, I	0.01	<0.001
Cadmium	0.005		0.00	0.214 I, Y	0.205 I, Y	0.284 I, Y	0.035 Y, I	0.18	0.02
Chromium	0.100		<0.005	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 Y, I	<0.005	<0.005
Lead	0.0075		0.023 V	12.4 I, Y	0.008 I, V, Y	2.19 I, Y	0.011 Y, I, V	14.60	0.01
Nickel	0.100		0.02	0.327 I, Y	0.029 I, Y	0.070 I, Y	0.024 I, Y	0.23	0.01
Selenium	0.050		0.031 J6, V	0.045 I, J6, V, Y	0.084 I, J6, V, Y	0.062 I, J6, V, Y	0.044 I, Y, J6, V	0.040 J6	0.146 J6
Silver	0.050		0.01	<0.003 I, Y	<0.003 I, Y	<0.003 I, Y	0.004 I, Y	<0.003	0.00
Thallium	0.002		0.011 J7, V	0.038 I, V, Y	0.016 I, V, Y	0.022 I, V, Y	<0.010 I, Y	0.037 V	0.038 I, V
Vanadium	0.049		<0.005	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005 I, Y	<0.005	<0.005
Zinc	5.000		1.13	65.3 I, Y	3.42 I, Y	582 I, Y	31.5 I, Y	39.30	1.36

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1136-03	22I1136-07	22I1136-11	22I1136-12	22I1136-08	22I1136-06	22I1136-10
		Sample Name	SB13 6-9	SB13 9-11	SB14 3.5-5	SB14 8-10	SB15 1-4	SB15 5-6	SB15 9-12
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
		Time sampled	9:40 AM	9:55 AM	10:20 AM	10:30 AM	10:10 AM	9:50 AM	10:00 AM
		% Solids	94.86405	86.14158	84.77612	83.61303	86.54038	83.06613	84.04786
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.52	0.25	0.85	0.66	0.39	0.92	0.48
Cadmium	1.00		0.04	0.06	0.36	0.06	0.01	0.62	0.10
Chromium	5.00		<0.005	0.01	<0.005	<0.005	<0.005	0.01	<0.005
Lead	5.00		1.72	0.01	8.85	0.61	0.03	1.61	0.02
Selenium	1.00		0.040 J6	0.042 J6	0.042 J6	0.043 J6, V	0.044 J6	0.076 J6, V	0.032 J6
Silver	5.00		<0.003	0.01	0.00	<0.003	0.01	0.00	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.03	0.02	0.12	0.09	<0.010	0.068 B2	0.07
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.52	0.25	0.85	0.66	0.39	0.92	0.48
Beryllium	0.004		0.02	<0.001	0.002	<0.001	<0.001	0.002	<0.001
Cadmium	0.005		0.04	0.06	0.36	0.06	0.01	0.62	0.10
Chromium	0.100		<0.005	0.01	<0.005	<0.005	<0.005	0.01	<0.005
Lead	0.0075		1.72	0.01	8.85	0.61	0.03	1.61	0.02
Nickel	0.100		0.28	0.02	0.15	0.02	0.03	0.15	0.02
Selenium	0.050		0.040 J6	0.042 J6	0.042 J6	0.043 J6, V	0.044 J6	0.076 J6, V	0.032 J6
Silver	0.050		<0.003	0.01	0.00	<0.003	0.01	0.00	<0.003
Thallium	0.002		0.017 V	0.026 V	0.019 V	0.023 V	0.044 V	0.019 J7, V	<0.010
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		66.90	41.10	71.70	386.00	3.12	111.00	288.00

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1136-13	22I1136-14	22I1132-01	22I1132-04	22I1132-03	22I1132-02	22I1132-07
		Sample Name	SB16 4-6	SB16 9-12	SB17 5-7	SB18 0-4	SB18 6-7	SB18 10-12	SB19 5.5-7
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
		Time sampled	10:40 AM	10:45 AM	11:10 AM	11:45 AM	11:40 AM	11:30 AM	11:50 AM
		% Solids	82.58707	77.33598	87.67535	89.25373	87.09037	80.30888	89.87976
RCRA 8 Metals									
Arsenic	5.00		0.052 V	<0.010	<0.010	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010	<0.010 I, J5, Y
Barium	100.00		0.55	0.39	0.59	0.408 I, Y	1.26 I, Y	0.36	1.07 I, Y
Cadmium	1.00		0.25	0.14	0.02	0.003 I, Y	0.202 I, Y	0.06	0.255 I, Y
Chromium	5.00		<0.005	<0.005	<0.005	<0.005 I, Y	0.008 I, Y	<0.005	<0.005 I, Y
Lead	5.00		61.90	0.68	0.67	0.011 I, Y	2.05 I, Y	0.010 V	2.71 I, Y
Selenium	1.00		0.060 J6, V	0.039 J6, V	0.042 J6, V	0.025 I, J6, V, Y	0.051 I, J6, V, Y	0.045 J6, V	0.037 I, J6, V, Y
Silver	5.00		0.01	0.00	0.01	0.006 I, Y	0.003 I, Y	0.00	0.005 I, Y
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		1.84	0.03	0.020 B2	<0.010 I, Y	0.041 B2, I, Y	<0.010	0.043 B2, I, Y
Arsenic	0.050		0.052 V	<0.010	<0.010	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010	<0.010 I, J5, Y
Barium	2.000		0.55	0.39	0.59	0.408 I, Y	1.26 I, Y	0.36	1.07 I, Y
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001 I, Y	<0.001 I, Y	<0.001	0.002 I, Y
Cadmium	0.005		0.25	0.14	0.02	0.003 I, Y	0.202 I, Y	0.06	0.255 I, Y
Chromium	0.100		<0.005	<0.005	<0.005	<0.005 I, Y	0.008 I, Y	<0.005	<0.005 I, Y
Lead	0.0075		61.90	0.68	0.67	0.011 I, Y	2.05 I, Y	0.010 V	2.71 I, Y
Nickel	0.100		0.07	0.01	0.05	0.019 I, Y	0.064 I, Y	0.01	0.256 I, Y
Selenium	0.050		0.060 J6, V	0.039 J6, V	0.042 J6, V	0.025 I, J6, V, Y	0.051 I, J6, V, Y	0.045 J6, V	0.037 I, J6, V, Y
Silver	0.050		0.01	0.00	0.01	0.006 I, Y	0.003 I, Y	0.00	0.005 I, Y
Thallium	0.002		0.045 V	0.025 V	0.030 V	0.035 I, V, Y	0.048 I, V, Y	0.016 V	<0.010 I, Y
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005 I, Y	<0.005 I, Y	<0.005	<0.005 I, Y
Zinc	5.000		14.30	6.02	2.80 J6	0.324 I, Y	84.9 I, Y	1.05 J6	116 I, Y

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1132-08	22I1132-10	22I1132-12	22I1132-09	22I1132-11	22I1132-14	22I1132-15
		Sample Name	SB19 8-10	SB20 6-10	SB20 10-12	SB21 4.5-6.5	SB21 10-12	SB22 4-6	SB22 10-12
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
		Time sampled	12:00 PM	12:20 PM	12:30 PM	12:20 PM	12:30 PM	1:20 PM	1:30 PM
		% Solids	77.8335	89.67229	82.68269	88.31683	78.29534	73.20717	83.89662
RCRA 8 Metals									
Arsenic	5.00		<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010	<0.010
Barium	100.00		0.296 I, Y	0.354 I, Y	0.44	0.501 I, Y	0.175 I, Y	0.76	0.29
Cadmium	1.00		0.008 I, Y	0.011 I, Y	<0.003	0.105 I, Y	0.004 I, Y	0.71	<0.003
Chromium	5.00		<0.005 I, Y	0.006 I, Y	<0.005	<0.005 I, Y	<0.005 I, Y	<0.005	<0.005
Lead	5.00		<0.005 I, Y	0.219 I, Y	0.01	0.589 I, Y	<0.005 I, Y	61.10	<0.005
Selenium	1.00		0.034 I, J6, V, Y	0.043 I, J6, V, Y	0.029 J6, V	0.036 I, J6, V, Y	0.052 I, J6, V, Y	0.031 J6, V	0.043 J6, V
Silver	5.00		0.004 I, Y	<0.003 I, Y	0.00	0.004 I, Y	0.004 I, Y	<0.003	0.01
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010 I, Y	0.011 B2, I, Y	<0.010	0.030 B2, I, Y	<0.010 I, Y	0.156 B2	<0.010
Arsenic	0.050		<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010	<0.010 I, J5, Y	<0.010 I, J5, Y	<0.010	<0.010
Barium	2.000		0.296 I, Y	0.354 I, Y	0.44	0.501 I, Y	0.175 I, Y	0.76	0.29
Beryllium	0.004		<0.001 I, Y	<0.001 I, Y	<0.001	<0.001 I, Y	<0.001 I, Y	0.002	<0.001
Cadmium	0.005		0.008 I, Y	0.011 I, Y	<0.003	0.105 I, Y	0.004 I, Y	0.71	<0.003
Chromium	0.100		<0.005 I, Y	0.006 I, Y	<0.005	<0.005 I, Y	<0.005 I, Y	<0.005	<0.005
Lead	0.0075		<0.005 I, Y	0.219 I, Y	0.01	0.589 I, Y	<0.005 I, Y	61.10	<0.005
Nickel	0.100		0.011 I, Y	0.024 I, Y	0.01	0.035 I, Y	0.010 I, Y	0.35	0.01
Selenium	0.050		0.034 I, J6, V, Y	0.043 I, J6, V, Y	0.029 J6, V	0.036 I, J6, V, Y	0.052 I, J6, V, Y	0.031 J6, V	0.043 J6, V
Silver	0.050		0.004 I, Y	<0.003 I, Y	0.00	0.004 I, Y	0.004 I, Y	<0.003	0.01
Thallium	0.002		0.024 I, V, Y	0.041 I, V, Y	<0.010	0.020 I, V, Y	0.029 I, V, Y	<0.010 J7	0.038 V
Vanadium	0.049		<0.005 I, Y	<0.005 I, Y	<0.005	<0.005 I, Y	<0.005 I, Y	<0.005	<0.005
Zinc	5.000		0.079 I, Y	5.11 I, Y	0.03	34.5 I, Y	0.128 I, Y	242.00	<0.025

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1132-16	22I1132-17	22I1134-04	22I1134-03	22I1134-01	22I1134-07	22I1134-08
		Sample Name	SB23 4-7	SB23 8-10	SB24 1-4	SB24 6-8	SB24 10-12	SB25 5-7	SB25 8-10
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022
		Time sampled	2:00 PM	2:10 PM	2:40 PM	2:30 PM	2:20 PM	3:50 PM	4:00 PM
		% Solids	81.28713	78.53561	91.2785	64.43349	79.90099	85.84248	74.72417
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	0.022 V	<0.010
Barium	100.00		1.13	0.34	0.44	1.47	0.34	1.64	0.47
Cadmium	1.00		0.40	0.00	0.00	0.74	0.00	0.49	0.10
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.86	0.01	<0.005	37.20	0.02	43.10	0.01
Selenium	1.00		0.030 J6, V	0.030 J6, V	0.036 J6, V	0.032 J6, V	0.032 J6, V	0.041 J6, V	0.037 J6
Silver	5.00		<0.003	0.00	0.01	<0.003	<0.003	<0.003	0.00
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.049 B2	<0.010	<0.010	0.050 B2	<0.010	0.230 B2	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	0.022 V	<0.010
Barium	2.000		1.13	0.34	0.44	1.47	0.34	1.64	0.47
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		0.40	0.00	0.00	0.74	0.00	0.49	0.10
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.86	0.01	<0.005	37.20	0.02	43.10	0.01
Nickel	0.100		0.12	0.02	0.02	0.16	0.01	0.29	0.02
Selenium	0.050		0.030 J6, V	0.030 J6, V	0.036 J6, V	0.032 J6, V	0.032 J6, V	0.041 J6, V	0.037 J6
Silver	0.050		<0.003	0.00	0.01	<0.003	<0.003	<0.003	0.00
Thallium	0.002		<0.010	<0.010	0.018 V	<0.010 J7	0.035 V	0.022 J7, V	<0.010
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		173.00	1.02	0.36	95.40	0.75	353.00	3.58

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1134-09	22I1134-10	22I1134-13	22I1134-14	22I1134-12	22I1134-11	22I1169-01
		Sample Name	SB26 2-4	SB26 14-16	SB27 4.5-7	SB27 8-10	SB28 6-9	SB28 10-12	SB29 5-7
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/27/2022	9/28/2022
		Time sampled	3:50 PM	4:00 PM	4:35 PM	4:50 PM	4:30 PM	4:40 PM	9:00 AM
		% Solids	83.15271	86.09732	88.59127	81.25	83.81909	80.03992	79.20398
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.60	0.52	0.41	0.38	0.61	0.25	1.70
Cadmium	1.00		<0.003	0.01	0.57	0.01	0.08	0.00	0.06
Chromium	5.00		<0.005	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.01	<0.005	89.20	0.01	0.50	0.01	0.13
Selenium	1.00		<0.025 J5	0.031 J6	0.047 J6, V	0.028 J6	0.054 J6	<0.025 J5	0.070 J6, V
Silver	5.00		0.01	0.00	<0.003	0.00	0.01	0.00	0.00
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	0.165 B2	0.011 B2	0.031 B2	<0.010	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.60	0.52	0.41	0.38	0.61	0.25	1.70
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001
Cadmium	0.005		<0.003	0.01	0.57	0.01	0.08	0.00	0.06
Chromium	0.100		<0.005	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.01	<0.005	89.20	0.01	0.50	0.01	0.13
Nickel	0.100		0.02	0.03	0.11	0.01	0.21	0.01	0.03
Selenium	0.050		<0.025 J5	0.031 J6	0.047 J6, V	0.028 J6	0.054 J6	<0.025 J5	0.070 J6, V
Silver	0.050		0.01	0.00	<0.003	0.00	0.01	0.00	0.00
Thallium	0.002		0.011 V	0.019 V	0.019 J7, V	0.026 V	<0.010	<0.010	<0.010 J7
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.03	1.29	265.00	1.77	33.60	0.23	4.49

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample #	22I1169-02	22I1169-03	22I1169-04	22I1083-12	22I1080-08	22I1136-09	22I1134-02
		Sample Name	SB29 7-10	SB30 3-6	SB30 9-12	SB31 0-3	SB32 1-3	SB33 1-4	SB34 1-4
		Matrix	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate	TCLP Leachate
		Date sampled	9/28/2022	9/28/2022	9/28/2022	9/26/2022	9/26/2022	9/27/2022	9/27/2022
		Time sampled	9:10 AM	9:40 AM	9:50 AM	3:40 PM	5:25 PM	10:10 AM	2:40 PM
		% Solids	79.67968	85.12563	81.65504	89.2821	89.07816	88.38133	88.67735
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010 I, Y	<0.010	<0.010
Barium	100.00		0.24	0.42	0.30	0.51	0.361 I, Y	0.36	0.41
Cadmium	1.00		0.00	0.01	<0.003	0.00	0.004 Y	0.01	0.00
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005 I, Y	<0.005	<0.005
Lead	5.00		0.02	0.04	<0.005	0.017 V	0.016 I, V, Y	0.02	0.01
Selenium	1.00		0.028 J6, V	0.030 J6, V	0.038 J6, V	0.031 J6, V	0.062 I, J6, V, Y	<0.025 J5	<0.025 J5
Silver	5.00		<0.003	0.00	0.01	0.01	0.005 I, Y	0.01	0.01
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	<0.010	0.011 B2	0.018 B2, I, Y	0.01	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010 I, Y	<0.010	<0.010
Barium	2.000		0.24	0.42	0.30	0.51	0.361 I, Y	0.36	0.41
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001 I, Y	<0.001	<0.001
Cadmium	0.005		0.00	0.01	<0.003	0.00	0.004 Y	0.01	0.00
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005 I, Y	<0.005	<0.005
Lead	0.0075		0.02	0.04	<0.005	0.017 V	0.016 I, V, Y	0.02	0.005
Nickel	0.100		0.02	0.04	0.01	0.04	0.017 I, Y	0.03	0.02
Selenium	0.050		0.028 J6, V	0.030 J6, V	0.038 J6, V	0.031 J6, V	0.062 I, J6, V, Y	<0.025 J5	<0.025 J5
Silver	0.050		<0.003	0.00	0.01	0.01	0.005 I, Y	0.01	0.01
Thallium	0.002		0.026 V	0.024 V	0.027 V	0.018 V	0.025 I, V, Y	0.024 V	0.019 V
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005 I, Y	<0.005	<0.005
Zinc	5.000		0.35	1.92	0.03	0.696 J6	1.15 I, Y	2.32	0.30

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB35 2-3 TCLP Leachate 8/21/2023	SB-35 (7-8) TCLP Leachate 8/21/2023	SB-35 12-14 TCLP Leachate 8/21/2023	SB-36 1-3 TCLP Leachate 8/21/2023	SB-36 4-6 TCLP Leachate 8/21/2023	SB-36 9-11 TCLP Leachate 8/21/2023	SB-37 5-6 TCLP Leachate 8/21/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.471	0.605	0.207	0.325	1.16	0.23	0.463
Cadmium	1.00		0.004	0.008	<0.003	<0.003	0.138	<0.003	0.162
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.006	0.032	<0.005	<0.005	5.99	<0.005	0.81
Selenium	1.00		<0.025	0.029	0.026	<0.025	0.025	<0.025	0.029
Silver	5.00		<0.003	0.003	<0.003	<0.003	0.004	0.003	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	<0.010	<0.010	0.033	<0.010	0.039
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.471	0.605	0.207	0.325	1.16	0.23	0.463
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	0.008	<0.001	<0.001
Cadmium	0.005		0.004	0.008	<0.003	<0.003	0.138	<0.003	0.162
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.006	0.032	<0.005	<0.005	5.99	<0.005	0.81
Nickel	0.100		0.021	0.042	0.015	0.013	0.317	0.014	0.21
Selenium	0.050		<0.025	0.029	0.026	<0.025	0.025	<0.025	0.029
Silver	0.050		<0.003	0.003	<0.003	<0.003	0.004	0.003	<0.003
Thallium	0.002		0.044	0.045	0.041	0.058	0.032	0.048	0.03
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.159	1.42	<0.025	<0.025	69.7	<0.025	34.1

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-37 9-11 TCLP Leachate 8/21/2023	SB-38 2.5-4.5 TCLP Leachate 8/21/2023	SB-38 10-12 TCLP Leachate 8/21/2023	SB-39 5-7 TCLP Leachate 8/21/2023	SB-39 12-14 TCLP Leachate 8/21/2023	SB-40 1-3 TCLP Leachate 8/21/2023	SB-40 1-3D TCLP Leachate 8/21/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.429	1.25	0.161	1.92	0.454	0.539	0.523
Cadmium	1.00		<0.003	0.174	<0.003	0.073	0.017	<0.003	<0.003
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		<0.005	16.8	<0.005	0.513	0.195	<0.005	<0.005
Selenium	1.00		0.031	0.035	<0.025	0.055	0.03	0.031	0.034
Silver	5.00		<0.003	0.005	<0.003	0.008	<0.003	<0.003	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.045	<0.010	0.027	0.015	<0.010	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.429	1.25	0.161	1.92	0.454	0.539	0.523
Beryllium	0.004		<0.001	0.011	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		<0.003	0.174	<0.003	0.073	0.017	<0.003	<0.003
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		<0.005	16.8	<0.005	0.513	0.195	<0.005	<0.005
Nickel	0.100		0.024	0.391	0.006	0.222	0.057	0.007	0.007
Selenium	0.050		0.031	0.035	<0.025	0.055	0.03	0.031	0.034
Silver	0.050		<0.003	0.005	<0.003	0.008	<0.003	<0.003	<0.003
Thallium	0.002		0.014	0.015	0.044	<0.010	0.013	0.056	0.052
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.137	90.7	<0.025	26.4	11.6	<0.025	0.026

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-40 3.5-5.5 TCLP Leachate 8/21/2023	SB-40 10-12 TCLP Leachate 8/21/2023	SB-41 1-2 TCLP Leachate 8/21/2023	SB-41 3-5 TCLP Leachate 8/21/2023	SB-41 8-9 TCLP Leachate 8/21/2023	SB-41 11-12 TCLP Leachate 8/21/2023	SB-42 0-2 TCLP Leachate 8/21/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.519	0.444	0.626	0.535	0.445	0.206	0.48
Cadmium	1.00		0.019	<0.003	<0.003	0.032	0.003	<0.005	<0.005
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.306	<0.005	<0.005	0.269	<0.005	<0.005	<0.005
Selenium	1.00		<0.025	<0.025	<0.025	<0.025	0.027	<0.025	<0.025
Silver	5.00		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.012	<0.010	<0.010	0.011	<0.010	<0.010	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.519	0.444	0.626	0.535	0.445	0.206	0.48
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		0.019	<0.003	<0.003	0.032	0.003	<0.005	<0.005
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.306	<0.005	<0.005	0.269	<0.005	<0.005	<0.005
Nickel	0.100		0.072	0.02	0.009	0.083	0.026	0.01	0.005
Selenium	0.050		<0.025	<0.025	<0.025	<0.025	0.027	<0.025	<0.025
Silver	0.050		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Thallium	0.002		0.037	0.028	0.056	0.036	0.041	0.034	0.034
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		15.2	0.06	<0.025	10.9	0.063	<0.025	0.133

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-42 0-2D TCLP Leachate 8/21/2023	SB-42 10-12 TCLP Leachate 8/21/2023	SB-43 4-5 TCLP Leachate 8/21/2023	SB-43 11-12 TCLP Leachate 8/21/2023	SB-44 4-6 TCLP Leachate 8/22/2023	SB-44 10-12 TCLP Leachate 8/22/2023	SB-45 2-3 TCLP Leachate 8/21/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.558	0.15	0.494	0.809	1.09	0.286	2.27
Cadmium	1.00		<0.005	<0.005	0.004	<0.005	0.143	<0.005	0.321
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.007	<0.005	<0.005	<0.005	6.07	<0.005	17.8
Selenium	1.00		<0.025	<0.025	<0.025	0.032	<0.025	<0.025	0.035
Silver	5.00		<0.003	<0.003	0.003	<0.003	<0.003	<0.003	0.004
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	<0.010	<0.010	0.077	<0.010	0.075
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.558	0.15	0.494	0.809	1.09	0.286	2.27
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	0.007	<0.001	0.017
Cadmium	0.005		<0.005	<0.005	0.004	<0.005	0.143	<0.005	0.321
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.007	<0.005	<0.005	<0.005	6.07	<0.005	17.8
Nickel	0.100		0.007	0.012	0.077	0.022	0.341	0.009	0.458
Selenium	0.050		<0.025	<0.025	<0.025	0.032	<0.025	<0.025	0.035
Silver	0.050		<0.003	<0.003	0.003	<0.003	<0.003	<0.003	0.004
Thallium	0.002		0.039	0.035	<0.010	<0.010	<0.010	0.034	<0.010
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.285	<0.025	0.219	<0.025	81.2	<0.025	182

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-45 10-11 TCLP Leachate 8/21/2023	SB-46 4-6 TCLP Leachate 8/22/2023	SB-46 9-11 TCLP Leachate 8/22/2023	SB-47 1-2 TCLP Leachate 8/22/2023	SB-47 3-5 TCLP Leachate 8/22/2023	SB-47 9-11 TCLP Leachate 8/22/2023	SB-48 1-3 TCLP Leachate 8/22/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.233	0.802	0.169	0.319	1.09	0.487	0.433
Cadmium	1.00		<0.005	0.067	<0.005	<0.005	0.09	<0.005	<0.005
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		<0.005	1.27	<0.005	<0.005	3.66	0.009	<0.005
Selenium	1.00		0.029	<0.025	<0.025	<0.025	0.026	<0.025	<0.025
Silver	5.00		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.004
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.023	<0.010	<0.010	0.085	<0.010	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.233	0.802	0.169	0.319	1.09	0.487	0.433
Beryllium	0.004		<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		<0.005	0.067	<0.005	<0.005	0.09	<0.005	<0.005
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		<0.005	1.27	<0.005	<0.005	3.66	0.009	<0.005
Nickel	0.100		0.016	0.271	0.009	0.006	0.093	0.016	0.011
Selenium	0.050		0.029	<0.025	<0.025	<0.025	0.026	<0.025	<0.025
Silver	0.050		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.004
Thallium	0.002		0.035	0.012	0.03	0.042	0.016	<0.010	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		<0.025	36.5	<0.025	<0.025	44.6	0.619	0.074

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-48 5.5-7.5 TCLP Leachate 8/22/2023	SB-48 14-16 TCLP Leachate 8/22/2023	SB-49 4-5 TCLP Leachate 8/22/2023	SB-49 14-16 TCLP Leachate 8/22/2023	SB-50 5-7 TCLP Leachate 8/22/2023	SB-50 10-12 TCLP Leachate 8/22/2023	SB-51 6-8 TCLP Leachate 8/22/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		1.4	0.706	0.587	0.671	1.73	0.23	1.7
Cadmium	1.00		0.633	<0.005	0.03	<0.005	0.495	0.014	0.011
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		51.3	0.006	0.125	<0.005	26.2	0.007	143
Selenium	1.00		<0.025	<0.025	<0.025	<0.025	0.025	<0.025	<0.025
Silver	5.00		<0.003	0.006	<0.003	0.005	<0.003	0.006	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.071	<0.010	<0.010	<0.010	0.058	<0.010	0.019
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		1.4	0.706	0.587	0.671	1.73	0.23	1.7
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
Cadmium	0.005		0.633	<0.005	0.03	<0.005	0.495	0.014	0.011
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		51.3	0.006	0.125	<0.005	26.2	0.007	143
Nickel	0.100		0.089	0.058	0.072	0.047	0.382	0.01	0.023
Selenium	0.050		<0.025	<0.025	<0.025	<0.025	0.025	<0.025	<0.025
Silver	0.050		<0.003	0.006	<0.003	0.005	<0.003	0.006	<0.003
Thallium	0.002		<0.025	<0.025	0.026	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		93.1	0.062	7.2	<0.025	137	0.121	6.65

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-51 14-16 TCLP Leachate 8/22/2023	SB-52 4-6 TCLP Leachate 8/22/2023	SB-52 10-12 TCLP Leachate 8/22/2023	SB-53 1-3 TCLP Leachate 8/22/2023	SB-53 1-3D TCLP Leachate 8/22/2023	SB-53 6-8 TCLP Leachate 8/22/2023	SB-53 10-12 TCLP Leachate 8/22/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.636	1.52	0.81	0.55	0.538	0.867	0.318
Cadmium	1.00		<0.005	0.471	<0.005	<0.005	<0.005	1.29	1.35
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.012	42.3	0.028	0.012	0.006	11.4	0.011
Selenium	1.00		<0.025	0.027	0.027	<0.025	<0.025	0.031	<0.025
Silver	5.00		0.005	<0.003	<0.003	0.004	0.004	0.003	0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.072	<0.010	<0.010	<0.010	0.036	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.636	1.52	0.81	0.55	0.538	0.867	0.318
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		<0.005	0.471	<0.005	<0.005	<0.005	1.29	1.35
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.012	42.3	0.028	0.012	0.006	11.4	0.011
Nickel	0.100		0.084	0.151	0.026	0.022	0.019	4.07	0.022
Selenium	0.050		<0.025	0.027	0.027	<0.025	<0.025	0.031	<0.025
Silver	0.050		0.005	<0.003	<0.003	0.004	0.004	0.003	0.003
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.047	83.5	0.372	0.367	0.21	89.1	7.1

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-54 5-7 TCLP Leachate 8/22/2023	SB-54 10-12 TCLP Leachate 8/22/2023	SB-55 5-7 TCLP Leachate 8/22/2023	SB-55 10-12 TCLP Leachate 8/22/2023	SB-56 8-10 TCLP Leachate 8/23/2023	SB-56 14-16 TCLP Leachate 8/23/2023	SB-57 6-8 TCLP Leachate 8/22/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		1.36	0.398	0.392	0.489	0.179	0.292	0.109
Cadmium	1.00		0.715	<0.005	0.055	<0.005	0.009	0.003	0.194
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	0.011	<0.005	<0.005
Lead	5.00		38.4	0.007	0.389	0.013	0.269	<0.005	0.188
Selenium	1.00		<0.025	<0.025	0.03	<0.025	0.037	<0.025	<0.025
Silver	5.00		<0.003	0.003	0.004	0.004	<0.003	0.004	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.064	<0.010	0.014	<0.010	0.015	<0.010	0.045
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		1.36	0.398	0.392	0.489	0.179	0.292	0.109
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	0.052	<0.001	<0.001
Cadmium	0.005		0.715	<0.005	0.055	<0.005	0.009	0.003	0.194
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	0.011	<0.005	<0.005
Lead	0.0075		38.4	0.007	0.389	0.013	0.269	<0.005	0.188
Nickel	0.100		0.2	0.009	0.045	0.015	0.2	0.015	0.015
Selenium	0.050		<0.025	<0.025	0.03	<0.025	0.037	<0.025	<0.025
Silver	0.050		<0.003	0.003	0.004	0.004	<0.003	0.004	<0.003
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		128	0.12	40.5	1.22	38.3	0.206	131

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-57 10-12 TCLP Leachate 8/22/2023	SB-58 1-3 TCLP Leachate 8/23/2023	SB-58 1-3D TCLP Leachate 8/23/2023	SB-58 5-7 TCLP Leachate 8/23/2023	SB-58 9-11 TCLP Leachate 8/23/2023	SB-59 1-3 TCLP Leachate 8/23/2023	SB-59 5-7 TCLP Leachate 8/23/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.345	0.361	0.354	0.609	0.318	0.455	1.03
Cadmium	1.00		0.036	0.003	0.003	0.027	0.013	<0.003	0.347
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.016	<0.005	<0.005	0.369	<0.005	<0.005	5.05
Selenium	1.00		<0.025	0.033	<0.025	0.038	0.026	<0.025	0.036
Silver	5.00		<0.003	0.006	0.005	0.004	0.005	0.004	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	<0.010	0.021	<0.010	<0.010	0.064
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.345	0.361	0.354	0.609	0.318	0.455	1.03
Beryllium	0.004		<0.001	<0.001	<0.001	0.006	<0.001	<0.001	<0.001
Cadmium	0.005		0.036	0.003	0.003	0.027	0.013	<0.003	0.347
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.016	<0.005	<0.005	0.369	<0.005	<0.005	5.05
Nickel	0.100		0.022	0.008	0.009	0.266	0.015	0.012	0.706
Selenium	0.050		<0.025	0.033	<0.025	0.038	0.026	<0.025	0.036
Silver	0.050		<0.003	0.006	0.005	0.004	0.005	0.004	<0.003
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		4.48	0.112	0.15	58.7	1.72	0.026	157

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-59 10-12 TCLP Leachate 8/23/2023	SB-60 4-6 TCLP Leachate 8/23/2023	SB-61 6-8 TCLP Leachate 8/23/2023	SB-61 10-12 MS/MSD TCLP Leachate 8/23/2023	SB-62 6-8 TCLP Leachate 8/23/2023	SB-62 10-12 TCLP Leachate 8/23/2023	SB-63 5-7 TCLP Leachate 8/23/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.791	0.461	0.838	0.415	0.375	0.278	0.813
Cadmium	1.00		0.004	0.039	0.275	0.003	0.004	0.041	0.306
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.007	0.174	2.53	<0.005	<0.005	0.021	32.6
Selenium	1.00		<0.025	0.04	<0.025	0.033	<0.025	<0.025	0.027
Silver	5.00		<0.003	<0.003	<0.003	0.005	0.003	<0.003	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.015	0.039	<0.010	<0.010	<0.010	0.064
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.791	0.461	0.838	0.415	0.375	0.278	0.813
Beryllium	0.004		<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		0.004	0.039	0.275	0.003	0.004	0.041	0.306
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.007	0.174	2.53	<0.005	<0.005	0.021	32.6
Nickel	0.100		0.028	0.101	0.304	0.013	0.044	0.015	0.108
Selenium	0.050		<0.025	0.04	<0.025	0.033	<0.025	<0.025	0.027
Silver	0.050		<0.003	<0.003	<0.003	0.005	0.003	<0.003	<0.003
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.010	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		9.15	16.3	89.1	0.1	0.039	3.88	148

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-63 10-12 TCLP Leachate 8/23/2023	SB-64 2-4 TCLP Leachate 8/23/2023	SB-64 6-8 TCLP Leachate 8/23/2023	SB-65 1-3 TCLP Leachate 8/23/2023	SB-65 7-12 TCLP Leachate 8/23/2023	SB-65 15.5-16 TCLP Leachate 8/23/2023	SB-66 0-2 TCLP Leachate 8/23/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.374	1.3	0.528	0.568	0.937	0.43	0.525
Cadmium	1.00		0.005	1.1	0.005	0.021	0.353	0.007	0.017
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.015	59.6	0.011	0.301	33.9	0.091	0.078
Selenium	1.00		0.051	0.025	<0.025	<0.025	0.027	0.025	0.029
Silver	5.00		0.005	0.003	<0.003	0.003	0.005	<0.003	0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.043	<0.010	<0.010	0.122	<0.010	0.019
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.374	1.3	0.528	0.568	0.937	0.43	0.525
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	0.01	<0.001	<0.001
Cadmium	0.005		0.005	1.1	0.005	0.021	0.353	0.007	0.017
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.015	59.6	0.011	0.301	33.9	0.091	0.078
Nickel	0.100		0.01	0.219	0.013	0.106	0.249	0.027	0.022
Selenium	0.050		0.051	0.025	<0.025	<0.025	0.027	0.025	0.029
Silver	0.050		0.005	0.003	<0.003	0.003	0.005	<0.003	0.003
Thallium	0.002		<0.025	<0.025	<0.025	0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.646	132	0.248	6.04	115	1.44	4.51

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-66 7-9 TCLP Leachate 8/23/2023	SB-66 10-12 TCLP Leachate 8/23/2023	SB-67 3-5 TCLP Leachate 8/23/2023	SB-67 10-12 TCLP Leachate 8/23/2023	SB-68 3-5 TCLP Leachate 8/23/2023	SB-68 9-11 TCLP Leachate 8/23/2023	SB-69 5-7 TCLP Leachate 9/12/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.541	0.552	0.603	0.401	2.18	0.523	1.45
Cadmium	1.00		0.878	0.003	0.224	0.003	0.354	<0.003	0.169
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		14.1	0.008	1.09	0.009	15.2	0.02	4.17
Selenium	1.00		0.035	<0.025	0.025	<0.025	0.032	0.025	0.042
Silver	5.00		0.004	<0.003	<0.003	0.003	0.003	0.003	0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.122	<0.010	0.209	0.01	0.064	<0.010	0.023
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.541	0.552	0.603	0.401	2.18	0.523	1.45
Beryllium	0.004		0.004	<0.001	<0.001	<0.001	0.002	<0.001	<0.001
Cadmium	0.005		0.878	0.003	0.224	0.003	0.354	<0.003	0.169
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		14.1	0.008	1.09	0.009	15.2	0.02	4.17
Nickel	0.100		0.655	0.025	0.159	0.013	0.19	0.017	0.081
Selenium	0.050		0.035	<0.025	0.025	<0.025	0.032	0.025	0.042
Silver	0.050		0.004	<0.003	<0.003	0.003	0.003	0.003	0.003
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		516	<0.025	84.8	0.092	177	<0.025	77.6

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-69 10-12 TCLP Leachate 9/12/2023	SB-70 0-2 TCLP Leachate 8/23/2023	SB-70 0-2D TCLP Leachate 8/23/2023	SB-70 5-7 TCLP Leachate 8/23/2023	SB-70 10-12 TCLP Leachate 8/23/2023	SB-71 3-5 TCLP Leachate 8/23/2023	SB-72 5-7 TCLP Leachate 8/23/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.325	0.582	0.679	0.471	0.364	1.02	0.44
Cadmium	1.00		<0.003	0.12	0.275	0.632	0.022	0.211	1.05
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		<0.005	1.96	14.1	26.3	0.439	44.5	126
Selenium	1.00		0.025	0.037	<0.025	<0.025	<0.025	0.035	0.035
Silver	5.00		0.005	<0.003	<0.003	0.004	<0.003	<0.003	0.014
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.028	0.057	0.076	<0.010	0.038	0.186
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.325	0.582	0.679	0.471	0.364	1.02	0.44
Beryllium	0.004		<0.001	<0.001	0.001	0.002	<0.001	0.004	<0.001
Cadmium	0.005		<0.003	0.12	0.275	0.632	0.022	0.211	1.05
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		<0.005	1.96	14.1	26.3	0.439	44.5	126
Nickel	0.100		0.006	0.062	0.1	0.237	0.026	0.186	0.094
Selenium	0.050		0.025	0.037	<0.025	<0.025	<0.025	0.035	0.035
Silver	0.050		0.005	<0.003	<0.003	0.004	<0.003	<0.003	0.014
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		<0.025	64.7	219	257	7.7	70	137

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-72 9-11 MM/MSD TCLP Leachate 8/23/2023	SB-73 1-3 TCLP Leachate 9/11/2023	SB-73 12-14 TCLP Leachate 9/11/2023	SB-74 2-4 TCLP Leachate 9/11/2023	SB-75 2-4 TCLP Leachate 9/11/2023	SB-76 1-3 TCLP Leachate 9/11/2023	SB-76 1-3D TCLP Leachate 9/11/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.363	0.425	0.754	2.15	1.15	0.838	0.813
Cadmium	1.00		<0.003	<0.005	0.616	0.541	0.494	0.154	0.11
Chromium	5.00		<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.008	0.018	7.73	22.8	26	1.75	1.28
Selenium	1.00		<0.025	<0.025	0.033	0.027	0.048	0.027	0.028
Silver	5.00		0.003	0.004	<0.003	0.003	0.003	0.005	0.004
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	0.111	0.062	0.063	0.014	0.015
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.363	0.425	0.754	2.15	1.15	0.838	0.813
Beryllium	0.004		<0.001	<0.001	0.001	0.002	0.003	<0.001	<0.001
Cadmium	0.005		<0.003	<0.005	0.616	0.541	0.494	0.154	0.11
Chromium	0.100		<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.008	0.018	7.73	22.8	26	1.75	1.28
Nickel	0.100		0.013	0.006	0.314	0.255	0.213	0.068	0.064
Selenium	0.050		<0.025	<0.025	0.033	0.027	0.048	0.027	0.028
Silver	0.050		0.003	0.004	<0.003	0.003	0.003	0.005	0.004
Thallium	0.002		0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.055	0.149	454	213	235	37.2	29.2

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-76 14-16 TCLP Leachate 9/11/2023	SB-77 5-7 TCLP Leachate 9/11/2023	SB-77 14-16 TCLP Leachate 9/11/2023	SB-78 6-8 TCLP Leachate 9/12/2023	SB-78 13-15 TCLP Leachate 9/12/2023	SB-79 5-7 TCLP Leachate 9/12/2023	SB-79 12-14 TCLP Leachate 9/12/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.628	0.248	0.571	0.798	0.647	0.786	0.734
Cadmium	1.00		<0.005	0.229	0.006	0.108	0.004	0.493	0.003
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.037	5.47	0.066	36.9	0.075	15.00	0.007
Selenium	1.00		0.027	<0.025	<0.025	0.041	0.028	0.036	<0.025
Silver	5.00		0.006	0.005	<0.003	<0.003	0.005	<0.003	0.005
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.023	<0.010	0.098	<0.010	0.119	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.628	0.248	0.571	0.798	0.647	0.786	0.734
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
Cadmium	0.005		<0.005	0.229	0.006	0.108	0.004	0.493	0.003
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.037	5.47	0.066	36.9	0.075	15.00	0.007
Nickel	0.100		0.087	0.076	0.083	0.109	0.109	0.768	0.034
Selenium	0.050		0.027	<0.025	<0.025	0.041	0.028	0.036	<0.025
Silver	0.050		0.006	0.005	<0.003	<0.003	0.005	<0.003	0.005
Thallium	0.002		<0.025	<0.025	<0.010	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.625	66.7	2.36	101	1.36	624	0.15

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-80 1-3 TCLP Leachate 9/12/2023	SB-80 1-3D TCLP Leachate 9/12/2023	SB-80 8-11 TCLP Leachate 9/12/2023	SB-80 11-12 TCLP Leachate 9/12/2023	SB-81 7-9 TCLP Leachate 9/12/2023	SB-81 10-12 TCLP Leachate 9/12/2023	SB-82 4-6 TCLP Leachate 9/12/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.413	0.425	1.54	0.48	3.58	0.806	0.628
Cadmium	1.00		0.005	<0.005	0.43	0.019	0.259	0.14	0.086
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.015	0.013	102	0.009	26.5	2.03	1.86
Selenium	1.00		<0.025	0.032	0.037	<0.025	0.027	0.032	0.031
Silver	5.00		0.005	0.004	<0.003	0.006	<0.003	<0.003	0.004
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	<0.010	0.099	<0.010	0.06	0.026	0.033
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.413	0.425	1.54	0.48	3.58	0.806	0.628
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Cadmium	0.005		0.005	<0.005	0.43	0.019	0.259	0.14	0.086
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.015	0.013	102	0.009	26.5	2.03	1.86
Nickel	0.100		0.009	0.008	0.143	0.01	0.115	0.041	0.06
Selenium	0.050		<0.025	0.032	0.037	<0.025	0.027	0.032	0.031
Silver	0.050		0.005	0.004	<0.003	0.006	<0.003	<0.003	0.004
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.599	0.157	80.9	0.752	68.3	60.9	16.2

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-82 8-9 TCLP Leachate 9/12/2023	SB-82 14-16 TCLP Leachate 9/12/2023	SB-83 5-7 TCLP Leachate 9/12/2023	SB-83 10-12 TCLP Leachate 9/12/2023	SB-84 1-3 TCLP Leachate 9/12/2023	SB-84 10-12 TCLP Leachate 9/12/2023	SB-85 3-5 TCLP Leachate 9/13/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.802	0.343	0.366	0.424	0.472	0.396	0.45
Cadmium	1.00		0.09	<0.003	0.006	<0.003	<0.005	<0.003	0.51
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		2.76	<0.005	0.053	<0.005	0.018	0.005	30.10
Selenium	1.00		0.032	0.029	0.027	0.025	0.033	0.034	0.03
Silver	5.00		<0.003	0.004	<0.003	0.004	0.005	0.004	<0.012
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		0.048	<0.010	<0.010	<0.010	<0.010	<0.010	0.07
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.802	0.343	0.366	0.424	0.472	0.396	0.45
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00
Cadmium	0.005		0.09	<0.003	0.006	<0.003	<0.005	<0.003	0.51
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		2.76	<0.005	0.053	<0.005	0.018	0.005	30.10
Nickel	0.100		0.063	0.056	0.019	0.01	0.012	0.012	0.37
Selenium	0.050		0.032	0.029	0.027	0.025	0.033	0.034	0.03
Silver	0.050		<0.003	0.004	<0.003	0.004	0.005	0.004	<0.012
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
Zinc	5.000		17.1	0.282	0.968	<0.025	0.071	<0.025	260.00

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-85 10-12 TCLP Leachate 9/13/2023	SB-86 10-12 TCLP Leachate 9/13/2023	SB-86 14-16 TCLP Leachate 9/13/2023	SB-4E 1-3 TCLP Leachate 9/13/2023	SB-4E 10-12 TCLP Leachate 9/13/2023	SB-6E 10-12 TCLP Leachate 9/12/2023	SB-8E 6-8 TCLP Leachate 9/12/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.35	0.76	0.68	0.54	0.207	0.343	2.13
Cadmium	1.00		0.00	0.11	<0.003	0.00	0.004	0.01	0.313
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.01	3.78	<0.010	<0.010	<0.010	<0.005	20.2
Selenium	1.00		0.03	0.04	0.03	0.05	0.026	0.041	0.059
Silver	5.00		<0.012	<0.012	<0.012	<0.012	<0.012	0.003	<0.003
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.03	<0.010	<0.010	<0.010	<0.010	0.086
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.35	0.76	0.68	0.54	0.207	0.343	2.13
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008
Cadmium	0.005		0.00	0.11	<0.003	0.00	0.004	0.01	0.313
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.01	3.78	<0.010	<0.010	<0.010	<0.005	20.2
Nickel	0.100		0.01	0.05	0.07	0.01	0.011	0.012	0.544
Selenium	0.050		0.03	0.04	0.03	0.05	0.026	0.041	0.059
Silver	0.050		<0.012	<0.012	<0.012	<0.012	<0.012	0.003	<0.003
Thallium	0.002		0.04	<0.025	0.03	0.03	0.028	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.03	19.10	<0.025	0.24	0.059	0.257	247

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-8E 14-16 TCLP Leachate 9/12/2023	SB-14E 3-5 TCLP Leachate 9/12/2023	SB-14E 10-12 TCLP Leachate 9/12/2023	SB-15E 6-8 TCLP Leachate 9/12/2023	SB-15E 14-16 TCLP Leachate 9/12/2023	SB-21E 1-3 TCLP Leachate 9/13/2023	SB-21E 1-3D TCLP Leachate 9/13/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.621	0.593	0.324	1.25	0.816	0.46	0.46
Cadmium	1.00		<0.005	1.57	0.011	1.84	<0.005	0.00	0.00
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	5.00		0.013	36.8	0.012	11.3	0.019	0.02	<0.010
Selenium	1.00		<0.025	0.099	<0.025	0.053	<0.025	0.03	0.03
Silver	5.00		0.004	<0.003	0.005	<0.003	0.005	<0.012	<0.012
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.135	<0.010	0.084	<0.010	<0.010	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.621	0.593	0.324	1.25	0.816	0.46	0.46
Beryllium	0.004		<0.001	<0.001	<0.001	0.006	<0.001	<0.001	<0.001
Cadmium	0.005		<0.005	1.57	0.011	1.84	<0.005	0.00	0.00
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	0.0075		0.013	36.8	0.012	11.3	0.019	0.02	<0.010
Nickel	0.100		0.013	0.147	0.007	0.248	0.101	0.01	0.01
Selenium	0.050		<0.025	0.099	<0.025	0.053	<0.025	0.03	0.03
Silver	0.050		0.004	<0.003	0.005	<0.003	0.005	<0.012	<0.012
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		0.157	691	0.147	376	0.588	0.03	<0.025

IEPA TACO TABLE

Site:
Project Number:

CHEMICAL NAME	TCLP Hazardous mg/L	Lab Sample # / Sample Name / Matrix / Date sampled / Time sampled / % Solids	SB-21E 10-12 TCLP Leachate 9/13/2023	SB-27E 5-7 TCLP Leachate 9/13/2023	SB-27E 10-12 TCLP Leachate 9/13/2023	SB-29E 4-7 TCLP Leachate 9/13/2023	SB-29E 10-12 TCLP Leachate 9/13/2023	SB-30E 4-6 TCLP Leachate 9/13/2023	SB-30E 10-12 TCLP Leachate 9/13/2023
RCRA 8 Metals									
Arsenic	5.00		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	100.00		0.27	1.16	0.295	0.526	0.225	0.534	0.361
Cadmium	1.00		0.05	0.158	0.003	0.075	0.003	0.015	<0.003
Chromium	5.00		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005
Lead	5.00		<0.010	21.90	<0.010	1.21	<0.010	0.018	<0.010
Selenium	1.00		<0.025	0.026	0.039	0.039	0.025	<0.025	<0.025
Silver	5.00		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Inorganics	Migration to Groundwater (mg/L)								
Antimony	0.006		<0.010	0.076	<0.010	0.029	<0.010	<0.010	<0.010
Arsenic	0.050		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	2.000		0.27	1.16	0.295	0.526	0.225	0.534	0.361
Beryllium	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	0.005		0.05	0.158	0.003	0.075	0.003	0.015	<0.003
Chromium	0.100		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005
Lead	0.0075		<0.010	21.90	<0.010	1.21	<0.010	0.018	<0.010
Nickel	0.100		0.01	0.088	0.01	0.225	0.009	0.048	0.008
Selenium	0.050		<0.025	0.026	0.039	0.039	0.025	<0.025	<0.025
Silver	0.050		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Thallium	0.002		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Vanadium	0.049		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc	5.000		1.37	80.6	0.23	45.1	<0.025	3.61	<0.025

Appendix B

Deigan Lab Data Summary Table April 22, 2022

the deigan group
environmental managers/consultants

Customer	**Deigan & Associates**
Project	**Sheridan Crossing**
Sample Date	**4/25/2022**
Lab Name	**Eurofins Chicago**
Job Number	**500-215595-1**

Analytical Results for TCLP-SPLP Samples		*** Exposure Routes for Specific SROs**				Sample ID					
						pH					
		Ingestion	Inhalation	Class I	Class II	B1-E (4.5 FT.)	B5-S (5-6 FT.)	B3-W (5-6 FT.)	B5-S (4.5 FT.)	B2-C (5-6 FT.)	B4-N (5-6 FT.)
Method	**Analyte**	mg/L	mg/L	mg/L	mg/L	---	---	---	---	---	---
6010B TCLP	Lead	NRO	NRO	0.0075	0.1	**11**	**36**	**6.0**	**19**	**3.2**	**2.9**

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table F.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
NRO = (No Remediation Objective) was provided in tables.
NRO/NRO** indicates that pH analysis was not requested and the values for Class I and Class II can not be provided.
Additional analytes may have been requested but are not contained in the
TACO Tier 1 tables and are not evaluated.
Estimated results that are between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.

Appendix C

Boring Logs

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB 27

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay w/ occassional limestone gravel and trace sand	0								
1				1								
2				2								
3				3								
4				4								
5			cinders, slag fines	5		SB27 (4.5-7)				1635		
6			wood	6								
7			black slag fines	7								
8			no recovery	8								
9			brown + gray mottled clay	9		SB27 (8-10)				1650		
10			soft gray sandy clay	10								
11				11								
12			brown + gray mottled clay	12								
13			end of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB25

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			tanish brown clay w/ occaisonal gravel and broken asphalt									
4–5			same ↑									
5–6			3 inch limestone gravel some foundry sand			SB25 (5-7)				1550		
6–7			black slag									
7–8			no recovery									
8–9			gray + brown mottled clay			SB25 (8-10)				1600		extra encores for MS/MSD
9–10			gray sand w/ clay									
10–11			gray clay									
11–12			gray and brown mottled clay									
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB23

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			brown silty clay w/ black mottling	0								
3			brown silty clay w/ limestone gravel w/ asphalt	3								
4			black slag fines + pieces	4								
5				5								XRF 14 Pb 2782, As 179, Cr 171
6				6								SB23 (4-7) 1400
7			gray clay	7								
8			brown + gray mottled clay	8								
9				9								
10				10								SB23 (8-10) 1410
11				11								
12			~~brown + gray mottled clay~~	12								end of boring
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB19

iPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–5			brown clay w/ sand silt, occasional small limestone gravel.									
6–7			black slag fines + small chunks ↓ % gray sand									XRF #10 Pb 3665, Cr 1024 SB19 (5.5-7) 1150 just TCLP due to small amt. of waste
7–8			brown wet gravel, some sand									
9–12			brown + gray mottled clay			SB19 (8-10) 1200						
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB21 / G921

iPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			brown clay w/ sand + limestone gravel									
5–6			black slag fines and small pieces			SB21 G921	(4.5–6.5) 1250					1220 last 5" wet
7			dark brown transitioning to brown + gray mottled clay									G921 collocated w screenpoint in waste from 4-8
8			mottled brown + gray clay									
9			wet brown sand and gravel									
10–11			brownish gray silt			SB21	(10–12)					1230
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB17

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish 12

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: _____

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			brownish gray clay, sand, small limestone gravel, ↓ %, asphalt pieces									
4–8			↑ Same			SB17 (5-7) XRF #8 Pb 114				1110		designated MS/MSD (extra encores)
8–12			gray silty clay nativ mottled gray + brown clay									no deep sample because no waste at shallow depths

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB14

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

_____ Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay w/ sand and gravel	0								
1				1								
2				2								
3				3								
4			slag fines - black	4		XRF # 5 Pb 8343,						SB 14 (3.5 - 5) 1020
5			gray limestone gravel and gravel fines	5								
6				6								
7				7								
8			gray + tan mottled silty clay	8		SB 14 (8 - 10) 1030						
9				9								
10			gray and tan mottled sand, silt and clay	10								
11			gray and tan mottled silt	11								
12			end of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB13

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB13 Completion Depth: 12

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Rocky Light Brown Clay to 3.75 ft	0								
1				1								
2				2								
3			Last 4 inches Black Slag	3								
4			Black slag fines	4								
5				5								XRF #3 Pb 3366, Cr 4106 SB 13 (6-9) 0940
6			black slag fines	6								
7				7								
8			gray sandy silty clay	8								
9			gray silty clay	9								XRF #4 Pb ND, Cr 63 SB 13 (9-11) 0955
10			gray silt	10								
11				11								
12			end of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB12

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay w/ little sand and gravel									
3.5			~~foundry sand~~ slag fines occasional limestone gravel, bricks hards			SB12 (9-11) 0900						
8			gray silty clay									
9			gray sand (wet) with some clay			SB12 (8.5-10.5) 0915						
10			gray silt w/ ↓% of clay									
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB09

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB09 Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay with Gravel + rocks foundry sand @ Last 2in	0								
4			black slag + foundry sand	4		SB09 (4-7) 1815						
8			mottled gray + brown silty clay	8		SB09 (9-12) 1820						
12			end of boring	12								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB10

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ limestone gravel and sand	0								
1				1								
2				2								SB10(1-3) and duplicate SB32(1-3) at 1725 JW
3				3								
4				4								
5			Same ↑	5								
6				6								
7			black foundry sand	7								SB10(6-7) Just TCLP due to volume 1740
			medium gray river rock									
8				8								
9			gray silty clay w/ small amount brown mottling	9								SB10 (9-11) 1750
10				10								
11				11								
12				12								
13			end of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB08

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 16

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ gravel	0								
1				1								
2				2								
3				3								
4			brown sand + gravel	4								
5			sand gravel + clay (brown)	5								
6			6-6.5 black/brown clay + foundry sand	6								
7			6.5-8 foundry sand + slag	7		SB08 (6-8)				1645		
8			black clayey silt	8								
9			gray mottled silty clay tan	9								
10				10								
11			gray clay, silt and small gravel	11		SB08 (9-11)				1710		
12			~~10-5~~ 12-12.5 gray sandy clay	12								
13			12.5-13 wet gray sand	13								
14			13-16 gray silt	14								
15				15								
16			end of boring	16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB06

iPS Coordinates: Northing _____ Easting _____ Date: Start 9/26 Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ gravel interspersed throughout	0								
4			2" concrete or rubble	4								
5			brown silty clay + gravel	5					☒			3.5' recovery
6			limestone gravel + asphalt	6								
7			foundry sand	7		SB06 1600		~~1600~~ (7-8)				just RCRA metals not enough material
8			mottled gray + brown silty clay	8								
9				9		SB06		(8.5 - 10.5)				1610
10				10								
11			~~10.7~~ 10.7 - 12 mottled gray brown silty clay	11								at 10.5 hit a inch gray silt/sand clay
12			end	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB02

PS Coordinates: Northing _____ Easting _____ Date: Start 9/26 Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 16

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ occasional limestone gravel	0								
1				1								
2				2								
3				3								
4			gray slag, fines limestone gravel	4								
5			black slag fines	5		SB02 (5-8)	1405					
6			gray clay	6								
7			mottled gray brown clay	7								
8				8								
9			tan + gray mottled silty clay	9		SB02 (9-12)	1420					
10				10								
11				11								
12				12								
13			gray clayey silt	13								
14				14								
15				15								
16				16		End of boring						
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB04

GPS Coordinates: Northing _____ Easting _____ Date: Start 9/26 Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 16

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ gravel (occasional)	0								
4			black slag, limestone gravel	4		SB04 (4-7)				14	50	
5			black foundry sand	5								
7.5			dark gray clay	7.5								
9			gray + tan mottled silty clay ~~w silt~~ 2" seam of gray silty gravel at 10'	9		SB04 (9-12)				15	00	
12			gray ~~clay w silt~~ silty clay to silt	12								
16			end of boring	16								

Referenced in text correctly

SOP 1 General Sampling X

Identifier Code				
SOP Number	Revision Number	Mo/Year Initiated	Document Control Number	Title
SOP 2				Soil & Waste Sampling X
SOP003	00	0822	3	Sediment Sampling X
SOP004	00	0822	4	Groundwater Sampling X
SOP005	00	0822	5	Surface Water Sampling X
SOP006	00	0822	6	Leachate Sampling
SOP007	00	0822	7	ppbRAE VOC Monitor & ppbRAE 3000 X
SOP008	00	0822	8	Toxic Vapor Analyzer (TVA-2020) X
SOP009	00	0822	9	Soil Gas Sampling
SOP010	00	0822	10	Hand Held X-Ray Flourescente Use
SOP011	00	0822	11	Water Quality pH Meters
SOP012	00	0822	12	Global Positioning System Use
SOP013	00	0822	13	GeoProbe Drill Use X
SOP014	00	0822	14	Investigation Derived Waste X
SOP015	00	0822	15	Shipping
SOP016	00	0822	16	Container Sampling X
SOP017	00	0822	17	Contract Laboratory Program Samplers Guide
SOP018	00	0822	18	Low Flow Purging & Sampling for Groundwater
SOP019	00	0822	19	Private Well PFAS Sampling
~~SOP020~~	~~00~~	~~0822~~	~~20~~	
~~SOP021~~	~~00~~	~~0822~~	~~21~~	
SOP022	19 00	0822	22	Private Well PFAS Sampling
SOP023	9 00	0822	23	Soil Gas Sampling

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23 items

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Soil Gas SOP 614-22(003).Format.docx	7/20/2022 12:43 PM	Microsof
SOP 1 General Sampling SOP 2022 Forma...	9/14/2022 11:55 AM	Microsof
SOP 3 Sediment Sampling SOP 2022.For...	7/25/2022 3:06 PM	Microsof
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SOP 5 Surface Water Sampling SOP.Form...	7/25/2022 3:07 PM	Microsof
SOP 6 Leachate Sampling SOP.Format.do...	7/29/2022 10:28 AM	Microsof
SOP 6 Leachate Sampling.docx	6/30/2022 3:33 PM	Microsof
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SOP 8 TVA 2020.Format.docx	7/25/2022 3:08 PM	Microsof
SOP 10 Hand Held X-Ray Flourescence 2...	7/25/2022 3:08 PM	Microsof
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SOP 14 Investigation Derived Waste SOP ...	7/25/2022 3:23 PM	Microsof
SOP 15 BOL Shipping Policies 2022.Form...	7/25/2022 2:38 PM	Microsof
SOP 16 Container Sampling 2022.Format....	7/25/2022 2:38 PM	Microsof
SOP 17 CLP samplers guide 2022.pdf	7/25/2022 2:44 PM	Adobe A
SOP 18 Low Flow Purging and Sampling ...	9/16/2022 3:43 PM	Microsof
19 SOP ~~22~~ FINAL Private Well PFAS Samplin...	7/25/2022 2:41 PM	Microsof
9 SOP ~~23~~ Soil Gas SOP 614-22(003).Format....	7/25/2022 3:27 PM	Microsof
Template Title Page.docx	7/20/2022 3:23 PM	Microsof
TEMPLATE.docx	7/29/2022 12:40 PM	Microsof

add SOP 2 Soil & Waste Sampling

SOP 4.....Bureau of Land Groundwater Sampling
SOP 5.....Collection of Surface Water Samples and Sampling Surface Impoundments
SOP 6.....Bureau of Land Leachate Sampling Procedures
SOP 7.....Bureau of Land Standard Operating Procedure for ppb Rae VOC Monitor
SOP 8 ..... Standard Operating Procedure for TVA-1000B Toxic Vapor Analyzer
SOP 9.....~~Standard Operation Procedure for Solaris MultiGas Detector~~
SOP 10.....Standard Operating Procedure for Field Portable X-Ray Fluorescence Use
SOP 11.....Standard Operating Procedure for Horiba U-10 Water Quality Checker
SOP 12.....Standard Operating Procedure for Global Positioning System Use
SOP 13.....Standard Operating Procedure Office of Site Evaluation Geoprobe
SOP 14.....Standard Operating Procedure for Investigation Derived Waste
SOP 15.....Bureau of Land Policy on Shipping Environmental Samples
SOP 16.....Bureau of Land Container Sampling
SOP ~~17~~ 9.....Bureau of Land Soil Gas Sampling

D. IEPA FIELD DATA SHEETS

FDS 1.....Sampling Equipment Checklist
FDS 2.....IEPA DLP/FOS Monitoring Well Inspection Form
FDS 3.....IEPA/BOL/DLPC/FOS Groundwater Sampling Inspection Field Readings
FDS 4.....Monitoring Well Field Information Summary
FDS 5.....IEPA Test Pit/Trench Log
FDS 6.....IEPA Field Boring Log
FDS 7.....IEPA Well Completion Report

E. ATTACHMENTS

Attachment 1.....;....IEPA Bureau of Land Records Procedures
Attachment 2.....EPA Region 5 Quality Management Plan

SOP 17 Contract Laboratories Samplers Guide
18 Lowflow purging + Sampling for Groundwater from MWs
19 Private Well PFAS Sampling

List of Acronyms/Abbreviations

Brownfield Redevelopment Assessment

Site Name	Address, City	PM
Prairieland Steel	935 S. Water Street, Havana	KC
Homewood	2124 W. 183rd Street, Homewood	
Dayton Superior	402 S. 1st Street, Oregon	NF
Grate Service Center	325 S. Main Street, Blandinsville	
Abingdon Pottery/Briggs Mfg, Co.	801 N. Main Street, Abingdon	EL
Logan Property	217 North State Street, Franklin Grove	
North Vermillion Parcels	815 - 821 N. Vermilion, Danville	JW
Freeport (Former Modern Plating)	101-121 South Hancock Avenue, Freepor	NF
Peoria		
Plano - Monarch Foundry	801 E. South Street, Plano	

LUST Assistance

Site Name	Address, City	PM
City of Springfield Dept of Public Wo	301 North 17th Street, Springfield	
Findlay Public Schools	101 east South 1st Street, Findlay	
North Boone Community Schools	17641 Poplar Grove Road, Poplar Grove	
Village of Bradley	147 S. Michigan Avenue, Bradley	

Special Project(s)

Sandy Hollow Groundwater Contam	11th Street and Sandy Hollow Rd, Rockfo	ES

SOP	PM
(1) General Sampling SOP.pdf	JW
(2) Soil and Waste Sampling SOP Revision.pdf	FOS
(3) Sediment Sampling SOP.pdf	MR
(4) Groundwater Sampling SOP.pdf	KC
(5) Surface Water Sampling SOP.pdf	ES
(6) Leachate Sampling SOP.pdf	KC
(7) ppbRAE SOP.pdf	JF
(8) TVA SOP.pdf	ES
(9) Solaris SOP.pdf	FOS?
(10) XRF SOP.pdf	EL
(11) pH Meter SOP.pdf	JF
(12) GPS SOP.pdf	EL
(13) Geoprobe SOP.pdf	TW
(14) Investigation Derived Waste SOP.pdf	MR
(15) BOL Shipping Policies SOP.pdf	NF
(16) Container Sampling SOP.pdf	NF
SOP 17 CLP samplers guide.pdf	TW
SOP 18 Low Flow Purging and Sampling for GW.pdf	JW
19 Soil Gas	JF
20 Turbidity meter	
21 Mercury Vapor Analyzer	
22 PFAS Res	ES
23 PFAS Geep	ES

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB-01

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB01 Completion Depth: _____

Logged By: _____

9/26/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Rocky Light Brown clay with Large chanks @ 3ft or gravel	0								
1				1								
2				2								
3				3								
4				4								
5			Dark Brown silty Clay less rocks + More organic matter	5	SB01(5-8)	1345						
6				6								
7				7								
8				8								
9				9								
10			Light brown clay with gray Mottling	10								
11				11	SB01 (10-12)							
12			Silty Sand starting @ 11ft Light brown with gray mottling	12		1410						
13				13								
14				14								
15				15								
16			Wet Sand getting corser @ 14ft	16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB02

PS Coordinates: Northing _____ Easting _____ Date: Start 9/26 Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 16

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ occasional limestone gravel	0								
1				1								
2				2								
3				3								
4			gray slag, fines limestone gravel	4								
5			black slag fines	5		SB02 (5-8)	1405					
6			gray clay	6								
7			mottled gray brown clay	7								
8				8								
9			tan + gray mottled silty clay	9		SB02 (9-12)	1420					
10				10								
11				11								
12				12								
13			gray clayey silt	13								
14				14								
15				15								
16				16		End of boring						
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB-03

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB-03 Completion Depth: _____

Logged By: _____

9/26/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3			Light brown Clay with gravel some Large		SB-03(0-3)	1445						
3–7			Fill ranging from crushed Brick to small white Gravel Black & red Slag		SB-03(4-7)	1450						
7–8			Brown Silty clay									
8–12			Light Brown to Gray Silty Clay with a small 2 inch Sandseam @ 11ft		SB03(8-11)	1505						
12–16			Wet Brown Sand @ 12-13ft Light Brown Silty Sandy Clay with Gray Mottling									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB04

GPS Coordinates: Northing _____ Easting _____ Date: Start 9/26 Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 16

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ gravel (occasional)	0								
4			black slag, limestone gravel	4		SB04 (4-7)				14	50	
5			black foundry sand	5								
7.5			dark gray clay	7.5								
9			gray + tan mottled silty clay ~~w silt~~ 2" seam of gray silty gravel at 10'	9		SB04 (9-12)				15	00	
12			gray ~~clay w silt~~ silty clay to silt	12								
16			end of boring	16								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB05

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB05 Completion Depth: _____

Logged By: _____

9/26/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay with gravel	0	SB05 (0-3)	SB31 (0-3)	1540					
1				1								
2				2								
3				3								
4			Light Brown clay with Gravel	4								
5			Gravely fill	5								
6			Silt Gravel	6								
7			Sand Black possible foundry sand	7								
8			Mica and Slag @ Bottom	8	SB05 (6-9)		1550					
9			8-9 wet gravely fill	9								
10			9-12 Light brown with Gray Mottling Sandy/Silty Clay	10	SB05 (9-11)		1600	MS/MSD				
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB06

iPS Coordinates: Northing _____ Easting _____ Date: Start 9/26 Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ gravel interspersed throughout	0								
4			2" concrete or rubble	4								
5			brown silty clay + gravel	5					☒			3.5' recovery
6			limestone gravel + asphalt	6								
7			foundry sand	7		SB06 1600		~~1600~~ (7-8)				just RCRA metals not enough material
8			mottled gray + brown silty clay	8								
9				9		SB06		(8.5 - 10.5)				1610
10				10								
11			~~10.7~~ 10.7 - 12 mottled gray brown silty clay	11								at 10.5 hit a inch gray silt/sand clay
12			end	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB07

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB~~06~~ 07 Completion Depth: _____

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Gravel rock Brown Clay									
4–8			wet Gravely sand 4-5 foandry Sand 5-7.5 Black Slag 7.5-8 with ass fault odor		SB07(4-8)	1645						
8–12			wet foandry sand with ass fault odor to 9.5 ft Light Brown Clay 9.5-12 ft		SB07(8-10)	1650						

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB08

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 16

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ gravel	0								
1				1								
2				2								
3				3								
4			brown sand + gravel	4								
5			sand gravel + clay (brown)	5								
6			6-6.5 black/brown clay + foundry sand	6								
7			6.5-8 foundry sand + slag	7		SB08 (6-8)				1645		
8			black clayey silt	8								
9			gray mottled silty clay tan	9								
10				10								
11			gray clay, silt and small gravel	11		SB08 (9-11)				1710		
12			~~10-5~~ 12-12.5 gray sandy clay	12								
13			12.5-13 wet gray sand	13								
14			13-16 gray silt	14								
15				15								
16			end of boring	16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB09

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB09 Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay with Gravel + rocks foundry sand @ Last 2in	0								
4			black slag + foundry sand	4		SB09 (4-7) 1815						
8			mottled gray + brown silty clay	8		SB09 (9-12) 1820						
12			end of boring	12								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB10

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			tan + brown mottled silty clay w/ limestone gravel and sand	0								
1				1								
2				2								SB10(1-3) and duplicate SB32(1-3) at 1725 JW
3				3								
4				4								
5			Same ↑	5								
6				6								
7			black foundry sand	7								SB10(6-7) Just TCLP due to volume 1740
			medium gray river rock									
8				8								
9			gray silty clay w/ small amount brown mottling	9								SB10 (9-11) 1750
10				10								
11				11								
12				12								
13			end of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB 11

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB 11 Completion Depth: _____

Logged By: _____

Depth (ft)	Lithology	USCS	9/26/22 Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Silty Clay with gravel	0								
1				1								
2				2								
3			Black Slag Last 2in	3								
4				4								
5			wet slag 4ft-6ft	5	SB11(4-7)	1800						
6			Gray Clay 6-8ft	6								
7				7								
8				8								
9			~~wet~~ Gray Clay turning mostly brown	9								
10				10	SB11(9-12)	1810						
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB12

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay w/ little sand and gravel									
3.5			~~foundry sand~~ slag fines occasional limestone gravel, bricks hards			SB12 (9-11) 0900						
8			gray silty clay									
9			gray sand (wet) with some clay			SB12 (8.5-10.5) 0915						
10			gray silt w/ ↓% of clay									
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB13

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB13 Completion Depth: 12

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Rocky Light Brown Clay to 3.75 ft	0								
1				1								
2				2								
3			Last 4 inches Black Slag	3								
4			Black slag fines	4								
5				5								XRF #3 Pb 3366, Cr 4106 SB 13 (6-9) 0940
6			black slag fines	6								
7				7								
8			gray sandy silty clay	8								
9			gray silty clay	9								XRF #4 Pb ND, Cr 63 SB 13 (9-11) 0955
10			gray silt	10								
11				11								
12			end of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB14

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

_____ Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay w/ sand and gravel	0								
1				1								
2				2								
3				3								
4			slag fines - black	4		XRF # 5 Pb 8343,						SB 14 (3.5 - 5) 1020
5			gray limestone gravel and gravel fines	5								
6				6								
7				7								
8			gray + tan mottled silty clay	8		SB 14 (8 - 10) 1030						
9				9								
10			gray and tan mottled sand, silt and clay	10								
11			gray and tan mottled silt	11								
12			end of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB 15

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB 15 Completion Depth: _____

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Rocky Gravel Clay	0								
1				1								
2				2	SB15(1-4)							1010 + Duplicate SB33 (1-4)
3				3								
4			Slag & Grang	4								
5				5								XRF #2 PB ND Mn 179 ppm
6				6								
7			Gray Clay	7								0950 SB15 (5-6) TCIP only
8				8								
9			Gray to Light Brown Clay Mottled	9								
10				10	SB15 (9-12)							1000 MS Mn
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB17

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish 12

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: _____

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			brownish gray clay, sand, small limestone gravel, ↓ %, asphalt pieces									
4–8			↑ Same			SB17 (5-7) XRF #8 Pb 114				1110		designated MS/MSD (extra encores)
8–12			gray silty clay nativ mottled gray + brown clay									no deep sample because no waste at shallow depths

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB 18

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB 18 Completion Depth: _____

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay with small gravel 0-4 ft	0								
1				1								SB 18 (0-4) 1145
2				2								
3				3								
4				4								Cr 124
5			Light Brown Clay 4-6 ft	5								XRF #9 Pb 8444 PPM
6			Foundry sand + Slag 6-7ft	6								SB 18 (6-7) 1140 TCLP only
7			Dark gray Clay 7-7.75	7								
8			Gray sand Last 2 inches	8								
9			wet Sand 8-10	9								
10			10-12 Gray Brown Clay Mottled	10								
11				11								SB 18 (10-12) 1130
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB19

iPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–5			brown clay w/ sand silt, occasional small limestone gravel.									
6–7			black slag fines + small chunks ↓ % gray sand									XRF #10 Pb 3665, Cr 1024 SB19 (5.5-7) 1150 just TCLP due to small amt. of waste
7–8			brown wet gravel, some sand									
9–12			brown + gray mottled clay			SB19 (8-10) 1200						
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB20

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB20 Completion Depth: _____

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Gravely Rocky Light Brown Clay 0-4ft									
4–8			Light Brown Clay 4-5 Dark Gray Clay with 2inch Slag seam @ 6.5ft 5-8	6–7		XRF#11						Pb 1.34% Cu 1.23%
8–12			Dark Slag 8-10ft Gray Clay with Light Brown Mottling 10-12ft	8								SB20(6-10) 1220
				9–10		XRF#12						Pb 6189 ppm Cu 7369 ppm
				11–12								SB20(10-12) 1230

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB21 / G921

iPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			brown clay w/ sand + limestone gravel									
5–6			black slag fines and small pieces			SB21 G921	(4.5–6.5) 1250					1220 last 5" wet
7			dark brown transitioning to brown + gray mottled clay									G921 collocated w screenpoint in waste from 4-8
8			mottled brown + gray clay									
9			wet brown sand and gravel									
10–11			brownish gray silt			SB21	(10–12)					1230
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB22

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB22 Completion Depth: _____

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Clay with grave. Last 2 inches Cindery									
4–8			Cinder + Slag 4-6.5 Ft 6.5-8 Gray + Light Brown Clay mottled	5								SB 22 (4-6) Ft 1320
8–12			Gray clay 8-10 Light brown with Gray mottled 10-12	9								XRF #13 Pb 5414 ppm Cd 1.23 % Cr 85 ppm
				12								SB22 (10-12) 1330

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB23

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			brown silty clay w/ black mottling	0								
3			brown silty clay w/ limestone gravel w/ asphalt	3								
4			black slag fines + pieces	4								
5				5								XRF 14 Pb 2782, As 179, Cr 171
6				6								SB23 (4-7) 1400
7			gray clay	7								
8			brown + gray mottled clay	8								
9				9								
10				10								SB23 (8-10) 1410
11				11								
12			~~brown + gray mottled clay~~	12								end of boring
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

ite File Name: _____ Boring / Well No.: SB24

PS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

quipment Used: _____ Surface Elevation: _____

ocation Description: SB24 Completion Depth: _____

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Clay with Small gravel mixed in	1–4		SB 24 (1-4) 1440 SB 34 (1-4)						
4–8			Light Brown clay with small gravel to 6.5 ft Sandy rocky fill 8 ft	5–8		SB 24 (6-8) 1430 XRF # 15 Pb 4565 Cr 109						
8–12			Gray Clay 8-9 Wet Sand 9-10 Gray clay with Light Brown Mottling	10–12		SB24 (10-12) 1420						

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB25

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			tanish brown clay w/ occaisonal gravel and broken asphalt									
4–5			same ↑									
5–6			3 inch limestone gravel some foundry sand			SB25 (5-7)				1550		
6–7			black slag									
7–8			no recovery									
8–9			gray + brown mottled clay			SB25 (8-10)				1600		extra encores for MS/MSD
9–10			gray sand w/ clay									
10–11			gray clay									
11–12			gray and brown mottled clay									
12			end of boring									

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB26

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB26 Completion Depth: _____

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Brown Clay with rocks 0–2; Black silty clay 2–3; Brown clay with rocks 3–4	2–4								SB 26 (2-4) 1550; XRF #18 Pb Nd
4–8			Brown silty clay with gravel	6								XRF #16 Pb 58 ppm Cu 174
8–12			Dark Brown Silty clay with Light brown Mottling asfault + concrete @ 10.5 ft	11								XRF #17 Pb Nd
12–16			Corse wet Sand to 13 ft; Gray clay with Light brown Mottling	15								SB 26 (14-16) 1600

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB 27

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: _____ Completion Depth: 12

Logged By: _____

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay w/ occassional limestone gravel and trace sand	0								
1				1								
2				2								
3				3								
4				4								
5			cinders, slag fines	5		SB27 (4.5-7)				1635		
6			wood	6								
7			black slag fines	7								
8			no recovery	8								
9			brown + gray mottled clay	9		SB27 (8-10)				1650		
10			soft gray sandy clay	10								
11				11								
12			brown + gray mottled clay	12								
13			end of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB28

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB28 Completion Depth: _____

Logged By: _____

9/27/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Clay with Small Gravel									
4–8			Light Brown Clay w/ small Gravel first 3 inches then fill down to 3.5 feet with Slag @ 7ft Clay from 7.5–8ft	6–9								SB28 (6-9) 1630; ~~XRF #~~ Pb
8–12			Gravely Fill 8-9; 9-12 Gray clay with Light Brown Mottling	10–12								SB28 (10-12) 1640

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB29

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB29 Completion Depth: _____

Logged By: _____

9/28/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown rocky Clay	0								
1				1								
2				2								
3				3								
4			Rocky clay continues to 5ft then Slag fill 5-7	4								
5				5		SB29 (5-7) 900						
6				6		XRF #3 Pb 821 ppm Cu 376						
7				7								
8			Light Brown mottled Clay 7-8	8								
9				9		SB29 (7-10) 910						
10			Light Brown mottled clay	10								
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

EPA File No.: _____ Fed. ID No.: _____ County: _____

Site File Name: _____ Boring / Well No.: SB30

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB 30 Completion Depth: _____

Logged By: _____

9/29/22

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Rocky Light brown Soil 0-3.5 Black slag with gravel 3.5-4									
4–8			4-5ft Black slag with gravel Clay 5-5.5 Rocky fill 5.5-7.5 Clay 7.5-8ft									
8–12			wet Rocky fill 8-9.5 9.5-12 Gray clay W/ Light Brown Mottling									

SB30 (3-6) 950

XRF #7 Pb 113 ppm CR 279

XRF #8 Pb 237 CR 65 ppm

SB30 (9-12) 940

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB4E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT Surface Elevation: _____

Location Description: SB4E Completion Depth: 12 FT

Logged By: JF

9/13/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4.5			Light Brown Silty Clay with gravel	0–3		930 SB4E (1-3)						MS/MSD
4.5–9			Cindery Silty Clay									
9–12			Gray Clay with Light Brown Mottling	9–12		1050 SB4E (10-12)						XRF #8 Pb ND

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB6E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB6E Completion Depth: 12

Logged By: JP

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–1			Rocky Light Brown Sand fill									
1–7			Brown Clay with rocks									
7–9.5			Black Cinders/Foundry Sand Wet									
9.5–12			Light Brown Clay w/ ~~Mo~~ or ~~Dar~~ Gray Mottling	10		1600 SB6E (10-12)						YRF #16 Pb ND

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB8E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT/PID/XRF Surface Elevation: _____

Location Description: SB8E Completion Depth: _____

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Clay with brick chunks & Gravel	0–4						0		
6–8			Black cinders & Sand.	6–8	6–8	sample taken @ 1500 6-8ft						XRF #12 @ 8ft Lead 5415ppm
8–16			Brown Clay Black Cindery Clay Gray Clay	8–16	14–16	sample taken @ 1300 14-16ft						XRF #13 @ 11ft Lead 26ppm XRF #14 @ 16ft Lead ND

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB10E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: S4LT Surface Elevation: _____

Location Description: SB10E Completion Depth: 6xx

Logged By: JF

Depth (ft)	Lithology	USCS	9/12/23 Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Gravely Clay with some Large gravel.	0								Surface is wet @ and earth, geoprobe 6600 would not track
1				1								
2				2								
3				3								
4				4								
5				5								
6				6								Resistance encountered No further Program
7				7								
8				8								
9				9								
10				10								
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB14E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT/PID/XRF Surface Elevation: _____

Location Description: SB14E Completion Depth: _____

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3.5			Light Brown Clay with Gravel to 3.5 ft BGS	3		1325						SB14E (3-5)
3.5–5.5			Black Cinders/ Brick Debris	5								
5.5–12			Gray Clay with Light Brown Mottling	10		1340						SB14E (10-12)
12–20				12								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB~~80~~ 15E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT/PID/XRF Surface Elevation: _____

Location Description: SB~~80~~ 15E Completion Depth: _____

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3.5			Light Brown Clay with Rocks/Gravel extreamly Dry									
3.5–8			Cinders / Fine Foundary Sand			1205 SB15E (6-8)						
8–12			Light Brown Clay W/ Mottling									XRF#8 Ca 4.19%
12–16			Light Gray Clay			1240 SB15E (14-16)						XRF#9 Ca 3.21%

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB21E

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-13 Finish 9-13

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB 21E Completion Depth: 12 ft

Logged By: L. Crank

9-13-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay with gravel	0						0		XRF #5
1				1		SB21E (1-3') & Duplicate						930 hrs Pb non-detect @ 11 ft
2				2								
3				3								
4			Dark brown rocky silt with cinders	4						0		wet @ ~7 ft
5				5								
6				6								No waste sample collected. Waste sample collected during previous investigation
7			Dark grey clay	7						0		
8			Tan and grey sandy clay with pebbles	8						0		
9				9								
10			Tan and grey clay	10		SB21E (10-12')						955 hrs
11				11								
12			End of boring	12								Pocket of ground water @ ~ 11½ ft
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB27E

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT / PID / XRF Surface Elevation: _____

Location Description: SB27E Completion Depth: 12

Logged By: JF

9/13/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3			Light Brown Silty Clay with Gravel	0–3						0		
3–5			Dark Silty Clay with Cinders	3–5								
5–7			Cinders/wet	5–7		1125 SB27E (5-7)						
7–9			Dark Gray/Black clay with Light Brown Mottling	7–9								
9–12			Light Brown Clay w/ Light Gray Mottling	9–12		1135 SB27E (10-12) ~~(5-7)~~ XRF #9 Pb ND						

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB29E

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-13 Finish 9-13

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB29E Completion Depth: 12ft

Logged By: L. Crank

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay with gravel	0						0		wet @ ~5½ft
3				3						0		XRF #10 Pb non-detect @ 12ft
4			Dark brown ~~[illegible]~~ rocky silt with cinders, glass	4		SB29E (4-7)	1140hrs					
7			Dark grey clay	7						0		
8			Tan and grey clay	8						0		
10			Grey silty clay	10		SB29E (10-12)	1155hrs			0		
11			Tan and grey clay	11						0		
12			End of boring	12								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB 30E

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-13 Finish 9-13

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB 30 E Completion Depth: 12ft

Logged By: L. Crank

9-13-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay with gravel	0						0		XRF #6 Pb 76 ppm @ ~5½ ft
4			Dark brown rocky silt ~~with the~~ with cinders	4	SB30E (4-6') 1050hrs				0			XRF #7 Pb non-detect @ ~12ft
5			Brown clay	5					0			
5.5			Deposit of dark brown rocky silt, cinder									
6			Dark brown clay	6					0			
7			Tan and grey clay	7					0			
10				10	SB30E (10-12') 1100hrs							
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								2 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-35

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21 Finish 8-21

Equipment Used: Probe, xrf Surface Elevation: _____

Location Description: SB-35 Completion Depth: 16ft

Logged By: Crank, L.

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–6			Brown silty clay with gravel & black streaks									
				2		SB-35 (2-3') 1310hrs						
6–9			Black and grey fill material with Black clay and gravel									
				7–8		SB-35 (7-8') 1323 hrs						
9–16			Tan and grey clay									wet clay @ ~10 ft.
				12–14		SB-35 (12-14') 1335hrs						xrf Pb is non-detect @ 12ft xrf #2
16			End of boring									Fill material between 6-9 ft consisted of gravel and cinders
												3 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB36

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB36 Completion Depth: 12ft

Logged By: JF

8/21/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3			Brown Clay with Some Gravel	1–3	1–3	SB36	1320			0		
4–6			Cinders / Gravely Black	4–6	4–6	SB36	1330			0		
6–7			Clay with Cinders / Grav							0		
7–8			Brown Clay with dark Brown / Black Mottling							0		XRF #3 Pb ND
9–11			Light Brown Clay	9–11	9–11	SB36	1340			0		
11–12										0		

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-37

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21 Finish 8-21

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-37 Completion Depth: 12 ft

Logged By: Crank, L.

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay with gravel	0						0		xrf #5 Pb non detect @ 10 ft
1				1								
2				2								
3			large chunks of gravel	3						0		
4			Brown clay with gravel	4						0		
5			glass, black cinders	5		SB-37 (5-6') 1402hrs						
6				6								wet clay @ 11ft
7			~~Void~~ LC Not Recovered	7						0		
8			tan and grey clay	8								
9				9						0		
10			wet, grey silty clay	10		SB-37 (9-11') 1413hrs				0		
11				11								
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB38

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB38 Completion Depth: _____

Logged By: JP

8/21/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–2.5			Light Brown Clay	0–2.5	–					0		
2.5–4.5			Cinders / Gravel Fill	2.5–4.5	2.5-4.5	SB38	1415			0		
4.5–5			"	4.5–5						0		
5–8			Brown Clay with cinder Layer 3" @ 7ft	5–8						0		
8–12			Brown Clay with Light Brown Mottling moist @ 10-11	8–12						0		
10–12				10–12		SB38 10-12	1425			0		XRF #6 PB ND
12–20				12–20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-39

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21 Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB-39 Completion Depth: 16

Logged By: Crank, L. / JF

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0						0		
1				1						0		
2			Brown ~~sandy dirt~~ LC sandy fill with gravel	2						0		
3				3						0		
4			Brown Clay	4								Refusal @ 4ft
5			" "	5	(5-7)	SB39	1545			0		
6			Gravelly fill with cinders	6						0		
7				7						200 ppb		
8			Dark Brown Clay	8						0		
9				9						0		
10			Light Brown Clay with Light Gray mottling	10						0		
11				11						0		
12				12						8700 ppb		
13			" "	13	(12-14)	SB39	1605					
14			Wet Sandy Layer 14-16.5	14								XRF#11 Pb ND
15				15						32 ppm		
16				16						45000 ppb		
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB40

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21-23 Finish 8-21-23

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB40 Completion Depth: 12

Logged By: JF

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay with Gravel	0								
1				1	(1-3)	SB40	1450			0		Duplicate
2				2						0		
3				3						0		
4			Light Gray Sandy Gravel Cinders Last 6 inches	4	(3.5-5.5)	SB40	1510			13.13 ppm		
5				5						0		
6			Cinders to 6.5 ft Bgs	6						0		
7			Clay Last 1.5 ft	7						0		
8				8						0		
9			Light Brown Sticky Clay	9								
10				10	(10-12)	SB40	1515					XRF#7 Pb ND
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-41

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21 Finish 8-21

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-41 Completion Depth: 12 ft

Logged By: Crank, L.

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3			Brown clay with gravel	0–3		SB-41 (1-2')	1448 hrs			0		SB-41 (8-9') is only 16 oz TCLP ☆
3–5			Black cinders with gravel	3–5		SB-41 (3-5')	1455 hrs			0		xrf #8 Pb non-detect @ 11 ft
5–9			Tan and grey clay	5–9						0		
9			Black cinders	9		SB-41 (8-9')	~~1515 hrs~~ 1500 hrs			0		wet clay @ 10 ft
9–12			Tan and grey clay	9–12		SB-41 (11-12')	1520 hrs			0		
12			End of boring									

4 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB42

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB42 Completion Depth: _____

Logged By: JP

8/21/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Silty Clay concrete at end	0	(0-2.40)	SB42	1650			0		Duplicate taken here
2.5				2.5								
3			Concrete & gravel Mix with some areas not	3		Resistance encountered Concrete				0		
4				4						0		
5				5						0		
6				6						0		XRF#17 Pb ND Ca > 10%
7				7								
8				8						0		
9				9						0		
9.5			Brown Clay	10	(10-12)	SB42	1710			0		
11				11						0		
12				12						0		
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-43

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21 Finish 8-21

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-43 Completion Depth: 12 ft

Logged By: Crank, L.

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay with gravel	0						0		xrf #10 Pb non-detect @ 11 ft
4				4	SB-43 (4-5')	1548hr						Black cinders not observed, but sample collected at depth where cinders were previously observed.
5			Brown and grey Clay	5						0		
11				11	SB-43 (11-12')	1552hrs						wet clay @ 11 ft
12				12								
20				20								2 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB44

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB44 Completion Depth: _____

Logged By: _____

8/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown Clay/Silt with Gravel	0						0		
1				1						0		
2				2						0		
3			Black cindery clay with some gravel	3						0		
4				4						0		
5			" "	5	(4-6)	SB44	920			120 ppm		
6				6						55 ppm		
7			Gray clay with Light Brown Mottling	7						12 ppm		
8				8						10000 ppb		
9			" "	9						21 ppm		
10				10	(10-12)	SB44	930			1000 ppb		
11				11						60 ppb		
12				12						0		YRF #3 Pb ND
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-45

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-21 Finish 8-21

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-45 Completion Depth: 12 ft

Logged By: Crank, L.

8-21-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–1			Brown clay with gravel	0–1						0		wet gravel @ 7 ft
1–2			Gravel and grey sand	1–2						0		
2–3			Black rocky silt with cinders	2–3	SB-45 (2-3')		1633hrs			0		xrf #12
3–4			Grey silt and gravel	3–4						0		Pb non-detect @ 11ft
4–5			No recovery	4–5								
5–6			Grey silt and gravel	5–6						0		
6–7				6–7								
7–8			Tan and grey clay	7–8						0		
8–9				8–9								
9–10				9–10	SB-45 (10-11')	MS/MSD	1655hrs					
10–11				10–11								
11–12				11–12								
12–13				12–13								
13–14				13–14								
14–15				14–15								
15–16				15–16								
16–17				16–17								
17–18				17–18								
18–19				18–19								
19–20				19–20								2 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB46

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB46 Completion Depth: 12

Logged By: JF

8/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Gravely Clay	0						0		
1				1						0		
2			Black cindery Clay with Gravel	2						0		
3				3						0		
4				4	(4-6)	SB46	955			0		
5				5						0		
6			Light Brown Clay with Gray Mottling	6						0		
7				7						450ppb		
8				8						250ppb		
9				9	(9-11)	SB46	1005			0		
10				10						0		
11				11						0		
12				12						0		
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-47

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-47 Completion Depth: 12 ft

Logged By: Crank, L.

8-22-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay with gravel	0						0		xrf #4 Pb non-detect @ 10ft
1				1	SB-47 (1-2') 0914hrs							
2			Brown silty clay; roots	2						0		
3			Dark brown rocky silt with cinders and gravel. 2in. of red rocky silt	3						0		
4				4	red rocky silt here							
5			Black rocky silt with cinders	5	SB-47 (3-5') 0929hrs					0		
6			Black clay with black cinders, red rock, and gravel	6	Brown flakey clay here							
7			and brown clay Black	7						0		
8			Tan and grey Clay	8								
9				9	SB-47 (9-11') 0944hrs							
10				10								
11				11								
12			Tan sandy Clay	12								
13			End of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								3 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB48

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB48 Completion Depth: 20ft

Logged By: JP

9/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay ~~with fill at 3.75 ft~~ JP	0	(1-3)	SB48	1055			T O		
3.75			Black cindery Gravel	5	5.5-7.5	SB48	1105					T G48 @ 7-11ft @ 1410
7.5			Dark Brown Clay	8								
9			Light Brown Clay with Gray Mottling	10								XRF #8 Pb 33 ppm
13			Gray Dry Clay	13								XRF #9 Pb 181 ppm
14				14	14-16	SB48	1125					XRF #10 Pb ND
16			Liner got stuck all Recovery was Loose & wet	16								
20				20								

G948

Parameters

time	temp	Ph	Con
1330	17.6	6.89	1446
1335	18.1	6.93	~~1442~~ AG 1429
1340	18.6	7.04	~~1412~~ AG 1427
1345	18.8	7.10	1421
1350	18.3	7.12	1428
1355	18.4	7.17	1432
1400	17.4	6.90	1410
1405	18.3	7.12	1423

Sample taken @ 1410

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-49

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-49 Completion Depth: 16 ft

Logged By: Crank, L.

8-22-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay with gravel	0						0		xrf #6 Pb 49ppm @ 11ft
1				1								
2			Brown silty clay	2						0		
3			Dark brown rocky silt with gravel and cinders	3						0		
4			Black rocky silt with cinders and gravel	4	SB-49 (4-5') 1037 hrs							wet clay @ 9ft
5				5								
6			No recovery	6								
7			Black rocky silt with cinders and gravel	7								Another boring was dug beside SB-49 to collect more cinder fill material for sampling, depth 4ft.
8				8								
9			Rocky sand, dark grey	9								
10			Tan & grey clay	10	~~SB-49 (10-12') 1028 hrs~~	LC						
11				11								
12	LC			12	~~Pb~~ LC Pb encountered, so dug deeper							Sample Jars crossed original sample # by VK
13				13								
14				14								
15				15	SB-49 (14-16) 1050 hrs							xrf #7 Pb non-detect @ 15ft
16			End of boring	16								2 samples
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-50

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-50 Completion Depth: 12 ft

Logged By: Crank, L.

8-22-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Dark brown clay with gravel	0								
1				1						0		6-7½ feet, black silt with cinders is wet
2			Light brown silt, gravel	2						0		
			Light brown silty clay							0		
3			Dark brown silty clay	3						0		
4			Dark brown clay	4						0		Pb 51 ppm @ 10 ft xrf #11
			Dark brown rocky silt with gravel and cinders							0		
5				5	SB-50 (5-7') 1316hrs							
6			Very fine black silt with cinders	6								
7				7								
			Slag							0		
8			Tan and grey sandy clay	8						0		Pb 103 ppm @ 12 ft xrf #12
9				9								
10				10						0		
11			Tan and grey clay	11	SB-50 (10-12') 1333hrs							
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-51

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-51 Completion Depth: 16

Logged By: Crank, L.

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0								
1				1						0		Wet fill material containing cinders found @ 5 ft
2			Gravel chunks, large	2						0		
			Brown clay with gravel							0		
3			Dark brown rocky silt with cinders	3						0		
4			Fine, black rocky silt with cinders	4						0		xrf #13 Pb 246 ppm @ 11 ft
5				5								
6				6	SB-51 (6-8') 1410hrs							
7				7								
8				8								↳ 4 in. higher, xrf #14 Pb 88 ppm
9				9								
10			very wet, silt with cinders	10								
11			Tan and grey clay	11						0		xrf #15 Pb non-detect @ 16 ft
12				12								
13				13								
14				14	SB-51 MS/MSD (14-16) 1455hrs							
15				15								
16			End of boring	16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB52

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB52 Completion Depth: 12

Logged By: JP

8/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Clay									
4–8			Dark silty Cinders	4–6	(4-6)	SB52	1510					
8–12			Grey Clay with Brown Mottling	10–12	(10-12)	SB52	1525			0		XRF H 16 Pb ND

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-53 Dup

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, pid Surface Elevation: _____

Location Description: SB-53 Dup Completion Depth: 5ft

Logged By: Crank, L.

8/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			SB-53 Brown Clay with gravel	0								
			Duplicate Brown clay with gravel									
1				1		SB-53 (1-3')	LC			0		Refusal @ 5 ft
			Hard brown clay									
2			Dark brown clay with gravel	2						0		
			Dark brown clay with gravel									
3				3		SB-53 (1-3') Dup 1525 hrs				0		
4			Dark brown cinders	4								
			rocky silt with									
5				5								
6			~~End of boring~~	6								
7			Gravely fill with concrete chunks + cinders	7	(6-8)	SB53	1650					Follow-up required by big probe
8				8								Followed up 8/22/23
9			Gray Clay with Light Brown Mottling	9								
10				10	(10-12)	SB53	1655					
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB54

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB54 Completion Depth: _____

Logged By: JF

8/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3.5			Light Brown Clay									
3.5–7.5			Cindery Dark Sand	5–7	(5-7)	SB54				1550		
7.5–12			Gray Clay with Light Brown Mottling Sand seam at 10.5 + 11 ft BGS	10–12	(10-12)	SB54				1600		XRF #17 Pb ND

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-55

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe Surface Elevation: _____

Location Description: SB-55 Completion Depth: _____

Logged By: Crank, L.

8/22/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Black soil and gravel	0								
1			Brown clay with gravel, hard clay	1								Refusal @ 6ft
2				2								
3				3								
4			Brown clay with gravel Soft clay	4								
5			Brown silty sand	5	(5-7)	SB55						1720
6			No recovery	6								
7			Brown silty sand and Clay with gravel	7								1 inch of dark brown silty clay and gravel
8			Brown silty clay	8								
9			Tan sand, pebbles LC	9								
10			Light Gray Clay with Light Brown Mottling	10	(10-12)	SB55						1725
11				11								
12				12								XRF #19 PB ND
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

Fill Material

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-56

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, pid Surface Elevation: _____

Location Description: SB-56 Completion Depth: _____

Logged By: Crank, L.

6600 on 8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0						0		Refusal @ 5ft
3			More compact brown clay with gravel	3						0		L+54 probe 6600 used @ Depth
5			Black rocky silt with cinders	5						0		
6			Coarse Sand	6						0		
7			Black Cinders / Foundry Sand	7						0		
8				8	(8-10)	SB56	855			0		
9			"	9						0		
10				10						0		
11				11						0		
12			Fine Brown Sand	12								
13			Brown Sand + Cinders	13								
14			Light Brown Clay	14	(14-16)	SB56	935					
16				16								XRF #3 Pb ND
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-57

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-22 Finish 8-22

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-57 Completion Depth: 12ft

Logged By: Crank, L.

8-22-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0								wet fill material @ ~6 feet
1				1								
2				2								
3			Compacted tan and grey clay with gravel	3								
4			Rocky black silt with cinders and gravel	4								Pb non-detect @ 11.5 ft
5				5								
6			No Recovery	6								
			Black Rocky silt, cinders, gravel									
7			fine black rocky silt, cinders and gravel	7								
8			tan and grey clay	8								
9			Grey and tan clay with black silt	9								
10			Tan sandy clay mottled with grey	10								
11				11								
12				12								
13			End of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

3 root

4 gravel chunks

7 wood fiber?

SB-57 (6-8') 1727hrs xrf#20

10 Sand deposit

SB-57 (10-12') 1744hrs

2 samples

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB 58

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB58 Completion Depth: _____

Logged By: JF

8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Clay with Gravel	0						0		
1				1								
2				2	(1-3+D)	SB58	1035					Duplicate SB58(1-3) SB58(1-3)D
3				3								
4			Black Clay with Cinders & Fill	4								
5				5								
6			Brown Clay with Fill & Concrete	6	(5-7)	SB58	1040					
7				7								
8			Light Brown Clay with Dark Brown Mottling	8								
9				9								
10				10	(9-11)	SB58	1025					
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-59

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-23 Finish 8-23

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-59 Completion Depth: 12 ft

Logged By: Crank, L.

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0					0			Glass encountered @ 5 to 6 ft
1				1		SB-59 (1-3') 0900 hrs						
2				2								
3			Compacted grey clay with gravel	3					0			
			Silty grey clay with gravel						0			
4			Dark brown rocky silt with cinders and gravel	4					0			Pb non-detect @ 11.5 ft xrf #2
5				5								
6			mixed small red rocks @ 7 ft	6		SB-59 (5-7') 0916 hrs						
7			Dark brown rocky silt and grey clay	7					0			
8			Dark grey clay and sand	8					0			
9			Deposit of grey sand	9					0			wet clay @ ~ 8 ft
			Dark grey clay and sand						0			
10			Tan and grey clay	10		SB-59 (10-12) 0933 hrs						
11				11								
12			End of boring	12					0			Shale-like material encountered @ 12 ft embedded in clay
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								3 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB60

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB60 Completion Depth: _____

Logged By: JF

8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Silty Clay	0								
1				1								
2				2								
3			Gravel / Fill Bricks Dark Brown / Black Clay	3								
4				4	(4-6)	SB60	1115					
5			Black Gravely fill with Cinders	5								
6				6								
			Gravel / concrete									
7				7								
			Light Brown Clay w/ Mottling									
8				8								
			No Recovery									
9				9								
10				10								
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-61

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-23 Finish 8-23

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-61 Completion Depth: 12 ft

Logged By: Crank, L.

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0								
1			Compact silty clay (brown) with gravel	1	Large Deposit of gravel					0		xrf #4 Pb non-detect @ 11.5 ft
2			Brown rocky silt	2						0		
3			Compact grey clay	3								
4			Brown sand and gravel	4	Large deposit of gravel					0		Large round rock, porous @ ~10 ft, possibly fill material from landfill, sandwiched between clay
5			Brown sand and gravel	5						0		
6			grey clay with gravel and red rock	6						0		
7			~~Dark grey clay with cinders~~ Dark grey rocky silt with gravel and cinders	7	SB-61 (6-8')	1009 hrs				0		
8			very loose black rocky silt, wet	8								
9			Compacted grey clay	9								
10			Deposit of silty rocks	10	SB-61 (10-12)	MS/MSD 1027 hrs						Water encountered @ ~8 ft
11			Tan and grey clay	11								
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB62

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB62 Completion Depth: 12 ft

Logged By: JF

8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Clay Cap	0						0		
1				1						0		
2			Gravel fill / Road Debris	2						0		
3				3						0		
4			Light brown Clay w/ Dark Brown Mottling	4						0		
5				5								
6				6	(6-8)	SB62 1945						
7				7				12/0				
8				8								
9				9								
10				10								
11				11	(10-12)	SB62		12/05				
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-63

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-23 Finish 8-23

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: 8-23-23 SB-63 LC Completion Depth: 12 ft

Logged By: Crank, L.

Depth (ft)	Lithology	USCS	8-23-23 Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with many deposits of gravel	0						0		xrf #6 Pb - non-detect @ 11.5 ft
1				1								
2				2						0		
3			Brown sandy clay with gravel	3						0		
			Brown, sand & gravel									
4			Dark brown rocky silt with pebbles and cinders	4						0		
5				5	SB-63 (5-7') 1113hrs					0		water encountered ~ 9 ft
			No recovery									
6			Fine dark brown rocky silt with cinders	6						0		
7			Large dark brown rocks	7						0		
			Dark brown clay									
8			Grey and tan clay	8						0		
9			Dark brown rocky silt, cinders	9								
10			Tan and grey clay	10	SB-63 (10-12') 1133hrs							
11				11								
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB64

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB64 Completion Depth: _____

Logged By: JP

8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Gravelly fill	0								
1.5			Cinders / Slag	2	2-4	SB64						1230
3.5			Dark Clay	4								
5			Light Brown Clay with Dark Mottling	6	6-8	SB64						1245 XRF#7 Pb ND
8			" "	8								
12				9								
13				10								
				11								
				12								
				13								
				14								
				15								
				16								
				17								
				18								
				19								
				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-65

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-23 Finish 8-23

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-65 Completion Depth: _____

Logged By: Crank, L.

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown silty clay with gravel	0						0		Red rock encountered @ 9½ ft
1				1		SB-65 (1-3') 1257 hrs						
2			compacted dark clay, gravel	2								
3			compacted grey clay, gravel	3						0		
4			Dark brown rocky silt with cinders and gravel, red mottling	4						0		Water @ ~10 ft
5			grey & tan clay	5						0		
6			Dark brown rocky silt, cinders, gravel	6						0		
7			Grey and brown compacted clay with gravel	7						0		xrf #10 Pb 132 ppm @ 16 ft
8			Dark brown rocky silt with cinders and gravel	8		SB-65 (7-11') 1343 hrs				0		
9			Dark brown silty clay	9								
			Red rock									
10			Dark brown silty clay	10						0		true refusal @ 16 ft
11			Dark brown rocky silt, intermittent deposits of grey clay and gravel with cinders	11								
12				12								Landfill material not sampled between 12-15 ft
13				13								
14				14								
15			Dark brown rocky silt with large deposits of rock	15								
16			tan and grey clay	16		SB-65 (15.5-16) 1408 hrs TCLP only						TCLP only at 15.5-16 ft
17			End of boring	17								
18				18								
19				19								3 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB66

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB66 Completion Depth: _____

Logged By: JF

8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Gravelly Clay	0	(0-2)	SB66		1325		0		
2.5			Dark Cinders									
5.5			Gravel Rock Layer									
7			Dark Cinders	7	7-9	SB66		1335				
9.5			Dark Grey Clay	10	(10-12)	SB66		1345				XRF #9 Pb ND
10.5			Light brown Clay with Dark Mottling									

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-67

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-23 Finish 8-23

Equipment Used: Probe, xrf, pid Surface Elevation: _____

Location Description: SB-67 Completion Depth: 11 ft

Logged By: Crank, L.

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay with gravel	0						0		xrf #14 Pb non-detect @ 7.5 ft
1				1								
2			Grey clay & gravel	2						0		
3			Brown clay & grave	3						0		
			Dark brown rocky silt with cinders & gravel, specs of red							0		SB-67 (3-5') 1533 hrs
4			Redish, brown clay with cinders, gravel, and slag	4						0		
5			No recovery	5								
			Dark brown clay, gravel, specs of red							0		xrf #16 Pb non-detect @ ~12 ft
6			Gravel	6								
7			Tan & grey clay with pebbles							0		
8			Dark brown clay, gravel, red specs	8						0		
9			Dark rocky silt, gravel, wood fibers	9						0		
10			Compacted tan & grey clay with pebbles	10						0		Due to lack of recovery, depth of boring is ~11 ft
11				11								
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
				19								2 samples
				20								

lumber encountered

slag encountered

asphalt encountered

SB-67 (10-12') 1549 hrs

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB68

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 660 Surface Elevation: _____

Location Description: SB68 Completion Depth: _____

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Dry Clay Light brown	0						0		
3			Fill with cinders & Brick	3	(3-5)	SB68	1415					
5			Light Brown Clay	5								
8			Light Brown Clay with Dark Mottling	9	(9-11)	SB69	1425					XRF#11
12				12								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-69

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-12 Finish 9-12

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB-69 Completion Depth: 12ft

Logged By: L. Crank

9-12-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown clay with gravel	0								XRF #7
1				1								
2				2						0		Pb non-detect
3			Dark brown rocky silt & cinders	3						0		@ 12ft
4			Grey gravel	4						0		
5			Dark brown rocky silt with cinders	5						0		
6			Dark brown silty clay with cinders	6		SB-69 (5-7')	1155hrs			0		
7			grey and brown clay	7						0		
8				8								
9				9								
10				10		SB-69 (10-12')	1200hrs					
11				11								
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								2 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-69

GPS Coordinates: Northing _____ Easting _____ Date: Start 8-23 Finish _____

Equipment Used: Probe, pid Surface Elevation: _____

Location Description: SB-69 Completion Depth: _____

Logged By: Crank, L.

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown silty clay and gravel	0								
1				1						0		Refusal @ 3.5 ft
2			Compacted brown clay with gravel	2						0		
3			Asphalt aggregate	3						0		Jacob follow-up on big probe
4			Refusal @ 3½ ft	4								
5				5								
6				6								
7				7								
8				8								
9				9								
10				10								
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB70

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB70 Completion Depth: _____

Logged By: JR

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay	0	(0-2)	SB70	1455			0		Duplicate SB70 (0-2)D + SB70 (0-2)
2			Black Cinders	2								
3			Sandy Clay Fill	3								
4			Cinders & Foundry Sand	4						1250 PPB		
5				5	(5-7)	SB70	1440					
6				6								
7				7								
8				8						120 PPB		
9				9								
10			Clay Light Brown	10	(10-12)	SB70	1450					XRF #12 Pb 50 ppm
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB71

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 6600 Surface Elevation: _____

Location Description: SB71 Completion Depth: 6xt

Logged By: JF

8/23/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Brown Clay Dry	0								
3			~~Large~~ Gravely ~~fill~~ Cinders	3	(3-5)	SB71	1615					
5				5								
6			Concrete	6								
			Encountered resistance and made no more progress									

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB 72

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: _____ Surface Elevation: _____

Location Description: SB72 Completion Depth: _____

Logged By: _____

8-23-23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Dry Clay	0						0		
1				1								
2			concrete / Gravel mix	2						0		
3				3						0		
4			Cinders	4						0		
5			Cinders	5						0		
6			white / tan powdery Fill	6	(5-7)	SB72	1525			0		
7				7								
8			wet Cinders / Foundry Sand with some Clay	8								
9			Light Brown clay	9	(9-11)	SB72	1535					
10				10								
11				11						MS/MSD		
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB73

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: LT54 / PID / XRF Surface Elevation: Mound

Location Description: SB73 Completion Depth: 14ft

Logged By: JF

9/11

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3			Gravely Light Brown Clay			SB73(1-3) @ 1245				0		
3–6			Sandy Gravely fill							0		
6–8			Clay Gravely fill							0		
8–12			Clay Gravely fill							0		
12–14			Black foundry Sand			1310 SB73(12-14) XRF #12 % 1.23				0		

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB74

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: LT54 / PID / XRF Surface Elevation: Mound

Location Description: SB74 Completion Depth: _____

Logged By: JF

9/11/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay with Rocks	0								
1				1								
2			Foundry Sand & Gravel	2			1345	SB74(2-4)				
3				3		XRF#3 Pb 4083						
4			Concrete @ Bottom	4								
5			Resistance encountered No further progress made	5								
6				6								
7				7								
8				8								
9				9								
10				10								
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB 75

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: L+54/ PID/ XRF Surface Elevation: _____

Location Description: SB 75 Completion Depth: _____

Logged By: _____

9/11/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Clay 0-6in Light Brown Gravely Silt	0								
1				1								
2				2		1425				0		SB 75 (2-4)
3			Large rock @ 2.5ft Gravel to 3ft	3								
4			Dark Brown clay w/ Foundry Sand	4						0		XRF # 4 Pb @ 4,169 ppm
5				5								
6			Resistance @ 4ft	6								
7				7								
8				8								
9				9								
10				10								
11				11								
12				12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB 76

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: LT54 Surface Elevation: 5

Location Description: SB 76 Completion Depth: _____

Logged By: JF

9/11/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Rocky Light Brown Clay	0						0		
1				1								SB 76 (1-3) @1455
2			Rocky Silt Dark Brown w	2								SB 76 + (1-3) D
3				3								
4			Dark Cinders	4						0		
5			Gravel 5.5-5.8 Dark Brown Clay	5								
6				6								
7				7								XRF # 5 Pb 7028 ppm
8			wet Rocky Clay	8								
9			wet Rocks / Gravel	9								
10				10								XRF # 6 PB 940 ppm
11				11								
12			" "	12								
13				13								1540
14			Brown Clay	14								SB76 (14-16)
15				15								XRF # 7 PB 4784 ppm
16				16								XRF # 8 Pb ND
17				17								
18				18								
19				19								
				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB77

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: LT54/PID/XRF Surface Elevation: _____

Location Description: SB77 Completion Depth: 16

Logged By: JP

9/11/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Clay with ~~clay~~ Rocks									
4–6			Fill Material Cinders @ 6ft	5		1610 SB77(5-7)						
6–7				6		XRF #9 Pb 5594						
7–11			wet Clay @ 7ft with gravel & Sand									
11–16			Brown Clay	14		1640 SB77(14-16)						
				15		XRF #10						
				16								

XRF #10 Pb 73ppm @ 16ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB78

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54 LT / PID / XRF Surface Elevation: _____

Location Description: SB 78 Completion Depth: 15

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light Brown Clay w/some rocks	0						0		
1				1								
2				2								
3				3								
4			Rocky gravel 2in seam Black cinders/Silt	4								
5				5								
6			Sand stone layer 5in	6						850		SB 78 (6-8)
7			Black cinders	7								XRF #2 Pb 6303
8				8								
9				9								
10			Gray tight clay	10								
11				11								
12				12								XRF #3 84 ppm Pb
13				13								SB 78 (13-15) @ 920 MS/MSD
14				14								XRF #4 Pb ND
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB79

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LI Surface Elevation: _____

Location Description: SB79 Completion Depth: _____

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Rocky Gravely Light Brown Clay							0		
4–5.5			Moist corse Light Brown Clay	5			SB79(5-7)			955		XRF#5 Pb 6156ppm
5.5–6			Cinder seam 4in	6								
6–8			Dank Brown clay turning Light Brown w/ Gray Mottling	8								
8–12			Grey clay	12			SB79(12-14)@1015					XRF#12 Pb ND
12–14				14								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-80

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-12 Finish 9-12

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB-~~[illegible]~~80 Completion Depth: 16ft

Logged By: L. Crank

9-12-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			light brown clay with gravel	0		SB80 (1-3)D						XRF #11 274 ppm Pb @ 11 ft
1				1								
2			Rock	2		SB80 (1-3') 1400hrs & Dup						
			Red rock @ 3 feet									
3			Dark brown rocky silt with cinders	3								
4			glass @ 4ft; slag at 4 ft	4								
5			Dark brown clay with silty grains	5								
6				6								12-16 ft sleeve lost in macro core
7			Black rocky silt with black glass, cinders	7								
8			Grey and tan clay	8								
9			Black rocky silt, cinders	9		SB80 (8-11) 1425hrs						
			Grey clay									
10			Black rocks, wood	10						2599 ppm		2599 ppm @ 11 ft
11			Tan and grey clay	11		2599 ppm						
12				12		SB80 (11-R) 1500hrs						
13			Sleeve lost in macro core	13								
14				14								
15				15								
16			End of boring	16								
17				17								
18				18								
19				19								3 samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-81

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-12 Finish 9-12

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB-81 Completion Depth: 12 ft

Logged By: L. Crank

9-12-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay and gravel	0						0		Wet @ 6ft
3			Dark brown rocky silt, with red streaks, red rock, gravel	3						0		XRF #15 Pb non-detect
4			light tan rocky silt, light tan sand stone	4								
5			Dark brown rocky silt with red streaks, red rock, gravel	5								3414 ppm @ ~10 ft
6			Tan wet gravel	6								
7			Dark brown rocky silt, with cinders	7	SB-81 (7-9)		1550hrs					1224 ppm @ ~9 1/2 ft
8				8								
9			Dark brown rocky silt with cinders, multi colored pebbles	9			1224 ppm					
10			Large multi-colored pebbles	10			3414 ppm					
			Dark silty clay		SB-81 (10-12')		1610					
11			Grey and tan clay	11								
12				12								
13			End of boring	13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-82

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-12 Finish _____

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB-82 Completion Depth: _____

Logged By: L. Cranks

9-12-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown clay with gravel	0						0		637 ppm @ 5½ ft
1				1								
2				2								
3			Dark brown rocky silt and cinders	3								XRF #18
4			Tan & grey clay	4						0		Pb 885 ppm @ 11½ ft
5			Dark brown rocky silt with red mottling, glass	5								SB82 (4-6) 1650 hrs 637 ppm
6			Dark brown clay	6								wood encountered
7			Gravel with sparkle, grey silt	7								wet @ ~8 ft
			Dark brown clay									
8			Tan and grey gravel, grey rocky silt	8								SB 82 (8-9) 1700 hrs
9			Dark brown & red rocky silt, cinders and gravel	9								XRF #19 Pb non detect
10			Tan and grey clay	10								
11			cinders	11								
12				12								Pb hit
13			gravel deposit	13								
14				14								SB 82 (14-16') 1710 hrs
15				15								
16				16								
17			End of boring	17								
18				18								
19				19								
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB83

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT/PID/XRF Surface Elevation: _____

Location Description: SB83 Completion Depth: 12

Logged By: JF

9/12/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3			Light Brown Clay with Gravel									
3–9			Ligh Brown Clay W/ Dark Brown Mottling	5–7	5–7	SB83 (5-7) 1620						Staining
9–12			Sandy Light Brown Clay	10–12	10–12	SB83 (10-12) 1635						XRF #17 Pb No

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB84

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: 54LT/PID/XRF Surface Elevation: _____

Location Description: SB83 Completion Depth: _____

Logged By: JP

Depth (ft)	Lithology	USCS	9/12 Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–9			Light Brown Silty Clay with rocks	0–9								
9–12			Light Brown Sandy Clay w/fine gravel.	9–12								
				1		1705 SB84 (1-3)				0		Location is too wet for Large Probe it would get Stuck
				10		1715 SB84 (10-12)						

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB-85

GPS Coordinates: Northing _____ Easting _____ Date: Start 9-13 Finish 9-13

Equipment Used: Probe, PID, XRF Surface Elevation: _____

Location Description: SB-85 Completion Depth: 12 ft

Logged By: L. Crank

9-13-2023

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			Light brown silty sand with pebbles	0						0		Wet @ ~7ft
1				1								XRF # 4
2				2								
3			Dark brown rocky silt with cinders. Red mottling at 3ft	3		SB-85 (3-5)	840 hrs			0		Pb non-detect @ 12 ft
4				4								
5			Brown rocky silt	5						0		
6			Dark brown clay	6						0		
			Grey and tan clay									
7				7								
8				8								
9				9								
10				10		SB-85 (10-12)	905 hrs					
11				11								
12			End of boring	12								
13				13								
14				14								
15				15								
16				16								
17				17								
18				18								
19				19								Two Samples
20				20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 0971250007 Fed. ID No.: _____ County: Lake

Site File Name: Sheridan Crossing Boring / Well No.: SB86

GPS Coordinates: Northing _____ Easting _____ Date: Start _____ Finish _____

Equipment Used: S4LT/PID/XRF Surface Elevation: _____

Location Description: SB 86 Completion Depth: 18 ft

Logged By: JF

9/13/23

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4			Light Brown Silty Clay w/Rocks									
4–7			Cindery fill with Patches of gravel.									
7–10			Light Brown Clay with chunks of wood / organic matter	7						1000ppb		Large chunk of wood
10–11			Cinders / Dark Clay	10–12		850 SB 86 (10-12) XRF #2 Pb 105 ppm						
11–16			Light Brown Clay w/ Light Gray Mottling " "	14–16		Sample taken SB86 @ 0900 (14-16) @ 14-16 ft						XRF 3 @ 16 ft Lead 39 ppm

LUST Incident No.:	Boring Number: B1E	Page 1 of 1
Site Name: Sheridan Crossing Address: 2028 Sheridan Rd	Boring Location east	Date: 4/22/22 Start 8:00 Finish 8:20

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		full			0'-5': • upper 6" topsoil + veg. • silty clay thru 4' • concrete & asphalt fill 4'-5'				
		full			5'-10': • 5'-8' continued conc. aggregate fill, some sand • 8'-10' silty clay; soft, wet, medium plas. • 9'-10' stiffer tan/gray clay				
		full			10'-15': • drag down • 13'-15' very tight, stiff, moist tan/gray clay, good plas.; NO foundry sand/slag				
					EOB: 15'				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data		
▼ Depth While Drilling _____ ▽ Depth After Drilling _____	Auger Depth 15' Rig Geoprobe Rotary Depth _____ Geologist _____ Driller/Co CS Drilling Note: Boring backfilled unless otherwise noted	Illinois Environmental Protection Agency

IL 532-2275
LPC 501 Rev June 2004

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000.00 for each day failure continues, a fine up to $50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

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LUST Incident No.:	Boring Number: B2C	Page 1 of 1
Site Name: Sheridan Crossing Address: 2028 Sheridan Rd	Boring Location central	Date: 4/22/22 Start 8:30 Finish 8:50

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		full			0'-5': • 6" topsoil & veg. • silty clay thru 3.5' • clean sand fill 3.5'-4' • clean sand & pea gravel fill thru 5'				
		full			5'-10': • 5'-6' concrete chunks & brick debris/pea gravel, sand fill • 7'-10' tan/gray silty clay, moist, medium to good plas., medium stiffness				
		full			10'-15': • steady silty gray clay thru 13' • 14'-15' much stiffer, drier tan clay * • foundry sand @ top EOB: 15'				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data		
▼ Depth While Drilling _____	Auger Depth 15' Rig Geoprobe Rotary Depth _____ Geologist _____	Illinois Environmental Protection Agency
▽ Depth After Drilling _____	Driller/Co CS Drilling Note: Boring backfilled unless otherwise noted	

IL 532-2275
LPC 501 Rev June 2004

LUST Incident No.:	Boring Number: B3W	Page 1 of 1
Site Name: Sheridan Crossing Address: 2028 Sheridan Rd	Boring Location West	Date: Start 8:55 Finish 9:25

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		full			0'-5': • 6" topsoil + veg. • silty clay thru ~4' • concrete + brick gravelly fill 3.5'-4.5' • sandy fill thru 5'				
					* refusal @ 5.5' - concrete foundation. Move Geoprobe <5 ft north of original boring				
		half			5'-10': • 3'-5' stiff gray clay • 6'-7' concrete				
		full			10'-15': • stiff clay				
					EOB: 15'				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data

▼ Depth While Drilling _____

▽ Depth After Drilling _____

Auger Depth 15' Rig Geoprobe

Rotary Depth _____ Geologist _____

Driller/Co CS Drilling

Note: Boring backfilled unless otherwise noted

Illinois Environmental Protection Agency

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000.00 for each day failure continues, a fine up to $50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

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LPC 501 Rev June 2004

LUST Incident No.:	Boring Number: B4N	Page 1 of 1
Site Name: Sheridan Crossing Address: 2028 Sheridan Rd	Boring Location north	Date: 4/22/22 Start 9:30 Finish 9:50

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		full			0'-5': • 6" topsoil & veg. • next 3' clay • pea gravel @ 3.5'				
		full			5'-10': • 5'-6' concrete, brick, gravel fill; dark slag • soft, wet silty clay 7'-10'				
		full			10'-15': • 10'-13' tan stiff silty clay, medium plas. • 13'-15' stiff gray silty clay, good plas., moist				
					EOB: 15'				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data

▼ Depth While Drilling _____

▽ Depth After Drilling _____

Auger Depth 15' Rig Geoprobe

Rotary Depth _____ Geologist _____

Driller/Co CS Drilling

Note: Boring backfilled unless otherwise noted

Illinois Environmental Protection Agency

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000.00 for each day failure continues, a fine up to $50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

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LPC 501 Rev June 2004

LUST Incident No.:	Boring Number: B5S	Page 1 of 1
Site Name: Sheridan Crossing Address: 2028 Sheridan Rd	Boring Location South	Date: 4/22/22 Start 9:55 Finish 10:15

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		full			0'-5': • 1' topsoil & veg. • clay thru 4', asphalt grindings interspersed • concrete & brick debris/fill, black fill, slag, foundry sand 4'-5'				
		full			5'-10': • 5'-6' reddish black slag, foundry sand • 6'-7' gray silty clay • 7'-10' soft gray/tan silty clay				
		full			10'-15': • clean silty, gray, stiff clay				
					EOB: 15'				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data

▼ Depth While Drilling _____

▽ Depth After Drilling _____

Auger Depth 15' Rig Geoprobe

Rotary Depth _____ Geologist _____

Driller/Co CS Drilling

Note: Boring backfilled unless otherwise noted

Illinois Environmental Protection Agency

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000.00 for each day failure continues, a fine up to $50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

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LPC 501 Rev June 2004

Appendix D

Construction Worker Health and Safety Plan

Health and Safety Plan

This plan will be updated following the rebid process and selection of a contractor expected in Spring 2025

City of North Chicago
Sheridan Crossing Soil Remediation

Project:

Sheridan Crossing Soil Remediation
2028 Sheridan Road, North Chicago, IL 60064

Contractor:

Stiles, Inc.
2104 Charmar Drive, Loves Park, IL 61111

April 3, 2025
REV: 1

Prepared By:

the deigan group
environmental managers/consultants

28835 N. Herky Drive, Unit 120
Lake Bluff, IL 60044
www.deiganassociates.com

Owner:

City of North Chicago
1850 Lewis Avenue
North Chicago, IL 60064

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1.0 Site Contaminants of Concern

Hazardous substances are present in certain site soils from past land uses on the site. Such substances require reasonable worker safety protocols and worker right to know information, which is provided herein. This contract work will manage, remove, or dispose of such substances, and they may be encountered and are present on the site. Worker safety protocols will minimize the potential for unsafe worker exposure to such substances.

While it is not expected that the work will result in unsafe worker exposure to such substances, workers shall be aware that the chemicals that may be present in soil include semi volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and heavy metals. The primary hazards associated with chronic (long-term) exposure to these substances are provided in **Attachment A**.

In addition to this Health and Safety Plan, the development site has the following historic recognized environmental conditions which have defined the site contaminants of concern. Engineering controls and worker safety provisions minimize and/or eliminate exposure to these compounds of concern.

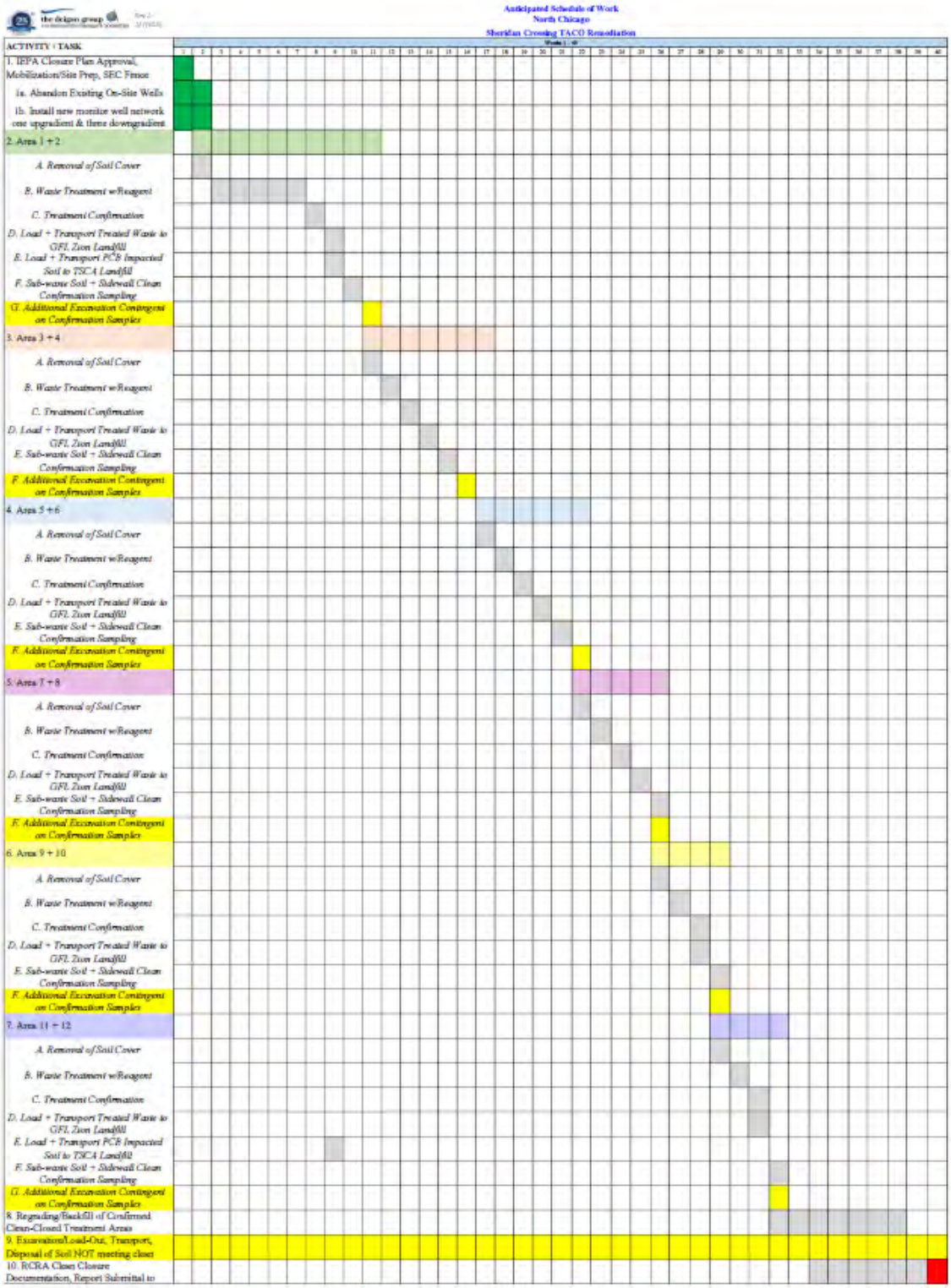
Table A: Recognized Environmental Conditions for Each Property Area

Property Area	Historic RECs	Action(s) Completed to Address REC
Former Lavin (RCRA Site)	1. Heavy metals (primarily lead) release to soil, sediment and groundwater. 2. PCBs release to soil. 3. Past heavy industrial use.	Pond sediment cleanup completed. Surface soil barriers and soil management plan completed. Groundwater use restriction. Soil containing RCRA-regulated concentrations will be treated and removed to a Subtitle D off-site landfill.
Former Fansteel (Soil Stockpile Site)	1. TCE (solvent) release to soil and groundwater. 2. Heavy metals (primarily lead) release to soil. 3. PCBs release to soil.	USEPA cleanup action for soil. Surface barriers, and soil management plan. Groundwater use restriction. New buildings require vapor intrusion barrier.

Field dust monitoring will be conducted by the on-site environmental personnel periodically throughout the day utilizing a handheld dust monitor reporting PM10 results. Observations of emissions related to windblown dust will be recorded. If PM10 levels are detected above 150 ug/m3, modifications to dust suppression activities will be implemented as needed.

2.0 Anticipated Schedule

The schedule is included in **Attachment D.**



3.0 Site Controls

Work Zones for Contaminated Soil Management

Three distinct zones (exclusion, contamination reduction, and support) shall divide the affected portions of the project.

(1) **Exclusion Zones (EZ)** are the areas where contamination does or could occur. These zones have the highest exposure potential. Once the soil cover is stripped, the work area becomes an Exclusion Zone until waste is treated, loaded, and removed to a Subtitle D landfill. **Only two (2) Exclusion Zones may be designated at any point**. The Exclusion Zone designation shall remain until the entire excavated area has been completely backfilled. The Contractor shall ensure that neither their employees nor subcontractors execute maintenance nor repair operations on equipment located in the Exclusion Zone.

(2) **Contamination Reduction Zones (CRZ)** are areas established to prevent the transfer of contaminants outside the Exclusion Zones. This zone eliminates the possibility of the physical transfer of contaminating substances on people, equipment, or in the air to unregulated areas. A combination of decontamination, distance from active work areas, zone restrictions, and work function shall eliminate the possibility of physical transfer of contamination. This zone has the next highest inhalation hazard but does not pose a high probability of skin contact. This zone shall contain the equipment decontamination facility, and areas designated for personnel decontamination, and emergency equipment. See **Attachment D, Figure 200** for CRZ.

(3) **Support Zones (SZ)** shall include the remaining areas of the job site. This zone shall contain the following as needed: change rooms, lunch and break areas, operation direction, and support facilities (including supplies, equipment storage, and maintenance areas). No equipment or personnel shall enter the Support Zone from the Exclusion Zone without passing through the personnel or equipment CRZ.

Worker PPE

As a precaution, contractors working directly in these soil areas should use personal protection and hygiene precautions including Level D PPE:

- Wear gloves, long-sleeved shirts, coveralls, work boots, safety glasses, and pants.
- Wash your hands, face, and other exposed areas before you eat, drink, or smoke.
- Eat, drink and smoke only in areas outside the removal areas.

When working with Free Flow 200 material, modified Level D PPE should be utilized to include the following, in addition to Level D equipment:

- Tyvek coveralls
- rubber boots

- safety glasses
- chemical resistant rubber gloves
- Half face particulate respirator with cartridges

Please have all on-site personnel sign the SITE-SPECIFIC ORIENTATION CERTIFICATION in Attachment E.

Decontamination Procedures (When Required)

All personnel shall go through decontamination who participated in construction or soil management activities within the Exclusion Zone. In addition, the Contractor shall perform a wet and/or dry decontamination process on excavation and construction equipment as specified when equipment is in contact with contaminated material. No equipment or vehicle shall track visible material from a contaminated facility. Initial decontamination locations are in the CRZ:

Personnel Decontamination
All outer protective clothing used by personnel who contact contaminated material while in the Exclusion Zone shall be collected in plastic bags and placed in leak-proof sealable containers, or within the truck load going to the landfill. The Contractor shall transport all containers, when used to a secure staging area for temporary storage. The Contractor shall inform the Engineer of the time and manner of disposal of containers containing contaminated protective clothing. The Contractor shall be responsible for transporting and disposing of the containers. The Contractor shall be responsible for ensuring the personnel decontamination portion of this CRZ contains clean, unused 150-micron (6 mil) polyethylene sheeting.

Equipment Decontamination
The Contractor shall perform dry decontamination on equipment that has contacted material classified as a non-special waste, special waste, or hazardous waste before moving that equipment to any other location, whether the new location is contaminated or uncontaminated. Dry equipment decontamination shall consist of the removal of all visible material from excavation and construction equipment parts, such as shovels, wheel tracks, and buckets. During dry decontamination, the Contractor shall ensure that the removed contaminated material does not contact the ground surface. The Contractor shall place all contaminated material removed during dry decontamination with contaminated material of similar classification and dispose of with other excavated material from that facility location.

The Contractor shall perform the wet decontamination process when construction/soil management activities associated with non-special waste, special waste, or hazardous waste are followed by construction/soil management activities associated with uncontaminated excavation or fill material. Before departure from the project area, all equipment and vehicles containing contaminated material shall be wet decontaminated by the Contractor. Personnel shall perform all wet equipment decontamination within the CRZ on equipment decontamination pad(s). The Contractor shall be responsible for the construction and maintenance of the decontamination pad(s) and for all equipment, materials, and personnel. The pad(s) shall be designed to prevent loss of decontamination liquids to the surrounding environment.

Emergency Contacts

In the event of an emergency, emergency response services will be contacted for the type of emergency. Local ambulance/fire service is available by calling 911. Their response time is approximately 2 - 4 minutes. The following phone list represents the emergency phone numbers for this project, including directions to the hospital.

Ambulance:	911
Lake County Sheriff's Office:	911
North Chicago Fire Department:	911
Lake Villa Rescue Squad:	911
Waukegan Police Department:	911
North Chicago Police Department:	911
Poison Control Center:	1-800-222-1222
Lake County Public Health:	1-847-377-8000
Illinois Emergency Management Agency:	1-217-782-2700
IEMA Emergency Response Unit:	1-217-782-7860
Center for Disease Control:	1-800-232-4636
National Response Center:	1-800-424-8802
Vista Medical Center 1324 North Sheridan Road Waukegan, IL 60085	1-847-360-3000
Northwestern Medicine **Lake Forest Hospital** 1000 North Westmoreland Road Lake Forest, IL 60045-1695	1-847-234-5600

The **Vista Medical Center East** is 4.8 miles from the project site.

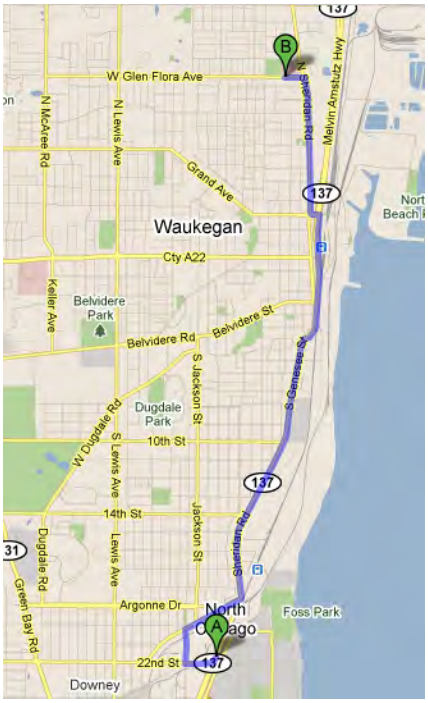
The **Northwestern Medicine Lake Forest Hospital** is 6.8 miles from the project site.

Directions and mapping are provided below.

<u>Directions to Vista Medical Center East:</u> South on Sheridan Rd.; Remain on Sheridan Rd./IL-137N; EXIT onto GRAND AVE.; Turn LEFT on MATHON DR.; Turn RIGHT at N. SHERIDAN RD.; Turn LEFT at W. GLEN FLORA AVE. (First Map Below)

Vista Medical Center East

Northwestern Medicine Lake Forest Hospital



Directions to Northwestern Medicine Lake Forest Hospital: North on Sheridan Rd.; Turn RIGHT on BUCKLEY RD./IL-137; LEFT onto IL-131/GREEN BAY RD.; Turn RIGHT on IL-176/ROCKLAND RD.; Turn LEFT at WAUKEGAN RD.; Turn LEFT at N. WESTMORELAND RD. (Second map above)

If workers have any questions, contact your supervisor.

Contractor Contacts

Deigan:

Gary Deigan, Principal/Owner: 847-404-9356

Bryan Peter, Project Manager: 717-575-1543

Cullen Brown, Environmental Specialist: 815-347-5135

Stiles:

Douglas Stiles, President: 815-494-9511

City of North Chicago Contacts

Economic & Community Development:

Taylor Wegrzyn, Director: 847-596-8650

Administration

Greg Jackson, Chief of Staff: 847-596-8610

Attachments

ATTACHMENT A

Principal Health Hazards / Worker Right to Know (Preliminary Hazard Evaluation for Soil Management/Treatment/Disposal)

Listed below are some of the compounds known or suspected to be present in on-site soil from past use of the property. The primary hazards associated with chronic (long-term) exposure to these substances are also presented.

SVOCs

PNAs (Polynuclear Aromatics) including Naphthalene - Inhalation, absorption, ingestion, and contact hazard. Target organs include blood, central nervous system, skin, bone marrow, eyes, kidney, liver, and respiratory system. Signs and symptoms of exposure include irritation to the mucous membranes, headache, dizziness, staggering, fatigue, depression, dermatitis, etc. The OSHA PEL/TWA for PNAs varies with the chemical composition. The PEL/TWA for naphthalene is 50 mg/m^3.

PCBs

PCBs – Inhalation, absorption, ingestion, and contact hazard. Target organs include Skin, eyes, liver, reproductive system. Signs and symptoms of exposure include irritation to the eyes, chloracne; liver damage; reproductive effects; [potential occupational carcinogen]. The OSHA PEL/TWA for PCBs is 0.5 mg/m^3.

Heavy Metals/Inorganics

Arsenic – Potential occupational carcinogen. Ingestion, inhalation, and contact hazard. Symptoms of exposure include ulceration of nasal septum dermatitis, gastrointestinal disturbances, peripheral neuropathy, respiratory irritation, and hyperpigmentation of skin. The NIOSH recommended exposure limit (REL) is 0.002 mg/m^3 for 15 minutes. The OSHA permissible exposure limit (PEL/TWA) is 0.01 mg/m^3. The immediate danger to life and health (IDLH) level is 5 mg/m^3.

Cadmium – Probable human carcinogen. Inhalation, absorption, and ingestion hazard. The most serious consequence of chronic cadmium poisoning is cancer (lung and prostate). The first observed chronic effect is generally kidney damage, manifested by excretion of excessive (low molecular weight) protein in the urine. Cadmium is also believed to cause pulmonary emphysema and bone disease (osteomalacia and osteoporosis). Cadmium may also cause anemia, teeth discoloration (Cd forms CdS) and loss of smell (anosmia). The ACGIH Threshold Limit Values® (TLVs) for cadmium are 10 $\mu g/m^3$ (8-hour TWA) and 2 $\mu g/m^3$ (8-hour TWA) for respirable fraction. The OSHA PEL/TWA is 5 $\mu g/m^3$.

Chromium – Hexavalent chromium is a human carcinogen via inhalation. Inhalation, contact, and ingestion hazard. Although chromium (III) in small amounts is a nutrient needed by the body, swallowing large amounts of chromium (III) may cause health problems. Hexavalent chromium can irritate the nose, throat, and lungs. Repeated or prolonged exposure can damage the mucous membranes of the nasal passages and result in ulcers. In severe cases, exposure causes perforation of the septum (the wall separating the nasal passages). Prolonged skin contact can result in dermatitis and skin ulcers. Kidney damage has been linked to high dermal exposures. The OSHA PEL/TWA are 500 µg chromium/m³ for water-soluble chromic (chromium (III)) or chromic [chromium (II)] salts and 1,000 µg chromium/m³ for metallic chromium (chromium (0)), and insoluble salts. The level of chromium trioxide (chromic acid) and other chromium (VI) compounds in the workplace air should not be higher than 52 µg chromium (VI)/m³ for any period. NIOSH considers all chromium (VI) compounds (including chromic acid) to be potential occupational carcinogens and recommends an exposure limit of 1 µg chromium (VI)/m³ for a 10-hour workday, 40-hour workweek.

Lead - Inhalation, contact, and ingestion hazard; weakness, insomnia, abdominal pain, anemia, tumors, hypotension, etc. Target organs include the GI tract, central nervous system, kidneys, and tissue. The OSHA PEL/TWA is 50 ug/m^3.

Manganese – Inhalation, contact and ingestion hazard. Irritation eyes, skin, respiratory system; eye, skin burns (from prolonged direct contact with dust or concentrated liquid); conjunctivitis; blindness; dermatitis; cough, chest tightness, dyspnea, rales; pulmonary edema; bronchitis, pneumonitis; anorexia, weakness, sleepiness; parkinsonism (gait disturbances, clumsiness, tremor, speech disturbances, mask-like facial expression, and personality changes); kidney damage, liver damage; methemoglobinemia, anemia (from manganese nitrate). Target organs include the Respiratory system, CNS, blood, and kidneys. The OSHA PEL is 5 mg/m^3, which is a ceiling value.

ATTACHMENT B

Contractor Training Certifications

INDUSTRIAL/ENVIRONMENTAL SAFETY MANAGEMENT CONSULTING, LLC

309-756-2292
IESMC, LLC
Home to Hazwoper.com
JMeldrum@Hazwoper.com

GARY DEIGAN

Has been awarded this certificate for completing
8 Hour Hazwoper Site Worker Training Course
OSHA 29 CFR 1910.120(e) & (q)

Training Date: 03/07/2025

Certificate #: 117261166

Expires one year from training date.

INDUSTRIAL/ENVIRONMENTAL SAFETY MANAGEMENT CONSULTING, LLC

309-756-2292
IESMC, LLC
Home to Hazwoper.com
JMeldrum@Hazwoper.com

BRYAN PETER

Has been awarded this certificate for completing
8 Hour Hazwoper Site Worker Training Course
OSHA 29 CFR 1910.120(e) & (q)

Training Date: 02/04/2025

Certificate #: 116434849

Expires one year from training date.

INDUSTRIAL/ENVIRONMENTAL SAFETY MANAGEMENT CONSULTING, LLC

309-756-2292
IESMC, LLC
Home to Hazwoper.com
JMeldrum@Hazwoper.com

CULLEN BROWN

Has been awarded this certificate for completing
8 Hour Hazwoper Site Worker Training Course
OSHA 29 CFR 1910.120(e) & (q)

Training Date: 06/07/2024

Certificate #: 110346166

Expires one year from training date.

IESMC, LLC

INDUSTRIAL/ENVIRONMENTAL SAFETY MANAGEMENT CONSULTING, LLC

309-756-2292

Home to Hazwoper.com

JMeldrum@Hazwoper.com

GRAYSON WITTBROD

Has been awarded this certificate for completing 40 Hour Hazwoper Site Worker Training Course OSHA 29 CFR 1910.120(e) & (q)

Training Date:	Certificate #:	Expires one year from training date:
07/06/2024	111034553	

Environmental

SAFETY EXPERTS, INC.

Awards to

DOUGLAS STILES

this

Certificate of Achievement

in

40 HOUR HAZARDOUS MATERIALS HANDLING TRAINING

PER OSHA STANDARD 29 CFR 1910.120

This 19th day of APRIL 19 93 at MADISON, WI

Instructor
D.J. RYAN

President, C.E.O.
D.J. RYAN

SEAL

LITHO IN U.S.A.

Environmental

SAFETY EXPERTS, INC.

Awards to

DOUGLAS STILES

this

Certificate of Achievement

in

CONFINED SPACE TRAINING PER 29 CFR 1910.146

ENTRANT/ATTENDANT/SUPERVISOR/RESCUE

This 28th day of APRIL 19 93 at LAKE MILLS, WI

Instructor
D.J. RYAN

President, C.E.O.
D.J. RYAN

SEAL

LITHO IN U.S.A.

Environmental

SAFETY EXPERTS, INC.

Awards to

DOUGLAS STILES

this

Certificate of Achievement

in

8 HOUR SUPERVISOR TRAINING

PER OSHA STANDARD 29 CFR 1910.120

This 20th day of APRIL 1993 at MADISON, WI

Instructor
D.J. RYAN

President, C.E.O.
D.J. RYAN

SEAL

LITHO IN U.S.A.

ENVIRO/TEC SAFETY TRAINING

Certificate of Completion

is hereby granted to:

Todd Meyer

to certify that they have completed to satisfaction

40 Hour Hazardous Materials Training

Per OSHA Standard 29 CFR 1910.120

Granted: September 7 1992

Matt Holly., Instructor

Safety Compliance Management

is proud to award this

Certificate of Completion

to

Todd Meyer

for successfully completing 2 *hours of training & testing in*

OSHA Excavation Safety Training for Competent Persons #1335

Presented this 21 *day of* August, *20* 20.

SCM

3160 Crow Canyon Place
San Ramon, CA 94583
1-800-974-1419

Laura Scott

Safety Compliance Management, Inc.

CERTIFICATE OF ACHIEVEMENT

Evolution Industrial Cleaning

This is to certify that

Joseph Casey

has completed the training course entitled:

40 Hour HAZ/MAT Training
As Per OSHA CFR 1910.120

Recognition is hereby given that all of the prescribed work was accomplished and evaluations completed.

January 10, 2014

Instructor

CERTIFICATE OF COMPLETION

Doug Stiles

has completed the training course entitled:

8 – Hour Update
As Per OSHA 1910.120

Awarded this 22rd day of November, 2022

Steve Rippe
490 E Burdick rd. Chesterton, IN. 46304

CERTIFICATE OF COMPLETION

Joe Casey

has completed the training course entitled:

8 – Hour Update
As Per OSHA 1910.120

Awarded this 22rd day of November, 2022

Steve Rippe
490 E Burdick rd. Chesterton, IN. 46304

CERTIFICATE OF COMPLETION

Todd Meyer

has completed the training course entitled:

8 – Hour Update
As Per OSHA 1910.120

Awarded this 22rd day of November, 2022

Steve Rippe
490 E Burdick rd. Chesterton, IN. 46304

ATTACHMENT C

Safety Data Sheet (SDS) for Free Flow 200 Stabilization Agent

Free Flow -
Rockford, L.L.C.
A Free Flow Technologies, Ltd. Company

SAFETY DATA SHEET (SDS)

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Free Flow 100®, Free Flow 200®, Free Flow 300®**
Product CAS: None

Recommended use: Stabilize RCRA Metals

Company Identification:

Free Flow Technologies, Inc.
4920 Forest Hills Rd, Suite 200
Loves Park, Illinois 61111

For information call: (815) 636-0166
Emergency Contact: Timothy Danzer
Fax: (815) 636-0560

SECTION 2 – HAZARD(S) IDENTIFICATION

GHS07 Acute Toxicity
Classification of the substance:

- H303 Acute Toxicity, category 5 (oral)
- H313 Acute Toxicity, category 5 (dermal)
- H332 Acute Toxicity, category 4 (inhalation)
- H315 Skin, eye irritation, category 2
- H317 Skin sensitization, category 1
- H335 Specific Target Organ Toxicity, category 3 (single exposure, respiratory tract irritation)

WARNING

Hazard Statements:

- H303 May be harmful if swallowed
- H313 May be harmful in contact with skin
- H332 Harmful if inhaled
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H335 May cause respiratory irritation

Precautionary Statements:

Prevention
P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.

SECTION 2 – HAZARD(S) IDENTIFICATION (CONT.)

Prevention cont. P280 Wear protective gloves, safety glasses, and protective clothing such as long sleeves and pant cuffs over shoes to minimize skin contact.

Response
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment, see supplemental first aid information.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Storage/Disposal
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of container in accordance with local, regional, national, and/or international regulations.

Hazards Ratings HMIS

SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS	Approx. % (w/w)	LD50	LC50
Phosphate Compounds	7758-23-8	0 - 80	Not Available	Not Available
Calcium Oxide	1305-78-8	10 - 70	Not Available	Not Available
Sulfur Trioxide	7446-11-9	0 - 40	Not Available	Not Available
Silicon Dioxide	60676-86-0	2.5 – 15	Not Available	Not Available
Aluminum Oxide – Non-fibrous	1344-28-1	0.5 - 5	Not Available	Not Available
Iron Oxide	1309-37-1	0.5 - 5	Rat, oral, >5000 mg/kg	Not Available
Sodium Bicarbonate	144-55-8	0 - 70	Mouse, oral, 3360 mg/kg	Not Available
Magnesium Oxide	1309-48-4	0 - 60	Not Available	Not Available

SECTION 4 – FIRST AID MEASURES

After Eye Contact: Flush eyes with water while lifting lids. Seek medical attention.

After Skin Contact: Wash skin with soap and water, remove contaminated clothing and shoes. If irritation develops, seek medical attention.

After Ingestion: Dilute with water, fruit juice or vinegar. Seek medical attention.

After Inhalation: Remove to fresh air, if irritation develops, seek medical attention.

Most important symptoms and effects, both acute and delayed.
Refer to Section 11 – Toxicological Information

Indication of any immediate medical attention and special treatment needed.
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing equipment:
This material is noncombustible.

Extinguishing equipment that is not appropriate for a particular situation:
Do not use water on adjacent fires. Extinguish adjacent fires with dry chemical or CO_2.

Specific hazards that develop from the chemical during the fire:
No specific hazards are identified.

Protective equipment or precautions for firefighters:
No special measures required.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Wear protective equipment to prevent skin exposure and inhalation. Keep unprotected persons away.

Environmental Precautions:
Avoid runoff to waterways and sewers.

Methods and materials used for containment and cleanup:
Use appropriate protective equipment while using dry cleanup methods (sweep/shovel) which minimize dusting. Reclaim in watertight containers. Small amounts may be flushed with water to drain.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling:
Swells when wet, may expand the container. Keep eyewash bottles available throughout work area.

Conditions for safe storage, including any incompatibilities:
Store away from water or acids.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

Component	Formula	CAS	PEL	TLV
Phosphate Compounds	$Ca(H_2PO_4)_2H_2O$	7758-23-8	Not established	Not established
Calcium Oxide	CaO	1305-78-8	5 mg/m^3	2 mg/m^3
Sulfur Trioxide	SO_3	7446-11-9	1 mg/m^3	0.2 mg/m^3
Silicon Dioxide**	SiO_2	60676-86-0	0.1 mg/m^3*	0.1 mg/m^3*
Aluminum Oxide	Al_2O_3	1344-28-1	10 mg/m^3+	10 mg/m^3+
Iron Oxide**	Fe_2O_3	1309-37-1	15 mg/m^3	5 mg/m^3
Sodium Bicarbonate	$NaHCO_3$	144-55-8	15 mg/m^3*	10 mg/m^3*
Magnesium Oxide	MgO	1309-48-4	15 mg/m^3*	10 mg/m^3*

* Respirable Dust
+ 5 mg/M^3 as Respirable Fraction
**Silicon Dioxide and Iron Oxide are listed by IARC as potential carcinogens.

Exposure Controls

Engineering Controls:
Use general and local exhaust to keep dust levels within acceptable limits.

Personal Protective Equipment Pictograms:

Breathing Protection:
Use NIOSH approved dust respirator when exposure limits exceeded.
Hand Protection:
Wear gloves to minimize skin contact.
Eye Protection:
Wear tight fitting goggles.
Skin Protection:
Wear long sleeves, gloves, and pant cuffs over shoes to minimize skin contact.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White-gray powder.	Boiling Point:	N/A
Odor:	Odorless	Flammable, Lower Limit:	N/A
Odor Threshold:	N/A	Flammable, Upper Limit:	N/A
Solubility:	N/A	Flash Point:	N/A
Partition Coefficient:	Not determined.	Auto Ignition Temperature:	N/A
pH:	6.0 – 12.0	Freezing/Melting Point:	N/A
Density:	80 – 85 lbs/ft^3	Viscosity:	N/A
Vapor Pressure:	N/A	Decomposition Temp.:	N/A
Vapor Density:	N/A	Evaporation Rate:	N/A
Molecular Formula:	Mixture		

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:
No dangerous reactions known under conditions of normal use.

Chemical Stability:
Stable, keep dry.

Thermal decomposition/conditions to be avoided:
Avoid extreme temperatures.

Possibility of hazardous reactions:
Contains calcium oxide and may react with water or acid to produce heat.

Incompatible materials:
Water, strong acids.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Effects

Component	Formula	LD50	LC50
Phosphate Compounds	$Ca(H_2PO_4)_2H_2O$	Not Available	Not Available
Calcium Oxide	CaO	Not Available	Not Available
Sulfur Trioxide	SO_3	Not Available	Not Available
Silicon Dioxide**	SiO_2	Not Available	Not Available
Aluminum Oxide	Al_2O_3	Not Available	Not Available
Iron Oxide**	Fe_2O_3	rat, oral, >5000 mg/kg	Not Available
Sodium Bicarbonate	$NaHCO_3$	mouse, oral, 3360 mg/kg	Not Available
Magnesium Oxide	MgO	Not Available	Not Available

**Silicon Dioxide and Iron Oxide are listed by IARC as potential carcinogens.

SECTION 11 – TOXICOLOGICAL INFORMATION (CONT.)

Routes of exposure
Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Potential health effects

Eye: Acute: May cause mild eye irritation
Chronic: No data available

Skin: Acute: Causes skin irritation
Chronic: Repeated and prolonged exposure may cause dermatitis

Ingestion: Acute: May cause irritation
Chronic: No data available

Inhalation: Acute: May cause respiratory irritation
Chronic: No data available

Symptoms from exposure

Target Organs: Eyes, respiratory passages, skin, digestive tract. Pre-existing respiratory diseases including asthma and emphysema may also be aggravated.

Eye: May cause irritation/inflammation and tissue damage.

Skin: May cause irritation to moist skin.

Ingestion: May cause ulceration to the digestive tract.

Inhalation: May cause irritation/inflammation to nasal and upper respiratory passages.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity:
No further relevant information available.

Persistence and degradability:
No further relevant information available.

Bioaccumulative potential:
No further relevant information available.

Mobility in soil:
No further relevant information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Recommended Waste Treatment Methods:
No treatment necessary.

Recommended Package Disposal:
Dispose of in container in accordance with local, regional, national, and/or international regulations.

SECTION 14 – TRANSPORT INFORMATION

UN Number:	N/A
UN proper shipping name:	N/A
Transport Hazard class:	N/A
Packing group number:	N/A
Environmental hazards:	N/A
Special Precautions:	To prevent dust, cover product with tarp if not in bulk bag container.

SECTION 15 – REGULATORY INFORMATION

SARA Title III - Section 302 Extremely Hazardous Material - None

SARA Title III – Section 31/312 – Hazard Categories:
Fire Hazard – No
Sudden Release of Pressure – No
Reactivity Hazard – Yes
Immediate Health Hazard – Yes
Delayed Health Hazard - Yes

SARA Title III – Section 313 - This material is not subject to the toxic chemical reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 16 – ADDITIONAL INFORMATION

Information herein is based on data believed to be accurate at the time of the preparation. No warranty or representation, express or implied, is made to the accuracy or completeness of the SDS. No responsibility can be assumed by vendor for any damage or injury resulting from misuse, failure to follow recommended practices, or from any hazards inherent in the nature of the product.

SECTION 16 – ADDITIONAL INFORMATION (CONT.)

SDS Effective: 12/1/2014

ATTACHMENT D

2025 RCRA Clean Closure Plan Figures

Figure 100

Gantt Proposed Schedule

Rev 2.
2/7/2025

Anticipated Schedule of Work
North Chicago
Sheridan Crossing TACO Remediation

Weeks 1 - 40

ACTIVITY / TASK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1. IEPA Closure Plan Approval, Mobilization/Site Prep, SEC Fence																																								
1a. Abandon Existing On-Site Wells																																								
1b. Install new monitor well network one upgradient & three downgradient																																								
2. Area 1 + 2																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Load + Transport PCB Impacted Soil to TSCA Landfill																																								
F. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
G. Additional Excavation Contingent on Confirmation Samples																																								
3. Area 3 + 4																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
4. Area 5 + 6																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
5. Area 7 + 8																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
6. Area 9 + 10																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
F. Additional Excavation Contingent on Confirmation Samples																																								
7. Area 11 + 12																																								
A. Removal of Soil Cover																																								
B. Waste Treatment w/Reagent																																								
C. Treatment Confirmation																																								
D. Load + Transport Treated Waste to GFL Zion Landfill																																								
E. Load + Transport PCB Impacted Soil to TSCA Landfill																																								
F. Sub-waste Soil + Sidewall Clean Confirmation Sampling																																								
G. Additional Excavation Contingent on Confirmation Samples																																								
8. Regrading/Backfill of Confirmed Clean-Closed Treatment Areas																																								
9. Excavation/Load-Out, Transport, Disposal of Soil NOT meeting clean																																								
10. RCRA Clean Closure Documentation, Report Submittal to																																								

Figure 200

Site Preparations, Erosion Control, Site Security Plan

Date 2/9/2023	Site Preparations, Erosion Control, Site Security Plan	the deigan group environmental managers/consultants	REVISIONS
21-016		28835 N. Herky Dr. Unit 120 Lake Bluff, IL 60044	
200	Plans Prepared For: City of North Chicago 2028 Sheridan Rd. North Chicago, IL 60064	Approved By: GD / Designed By: CB / Drawn By: CB	

No.	Date	Description	By

ATTACHMENT E

SITE-SPECIFIC ORIENTATION CERTIFICATION

The undersigned individuals hereby certify that:

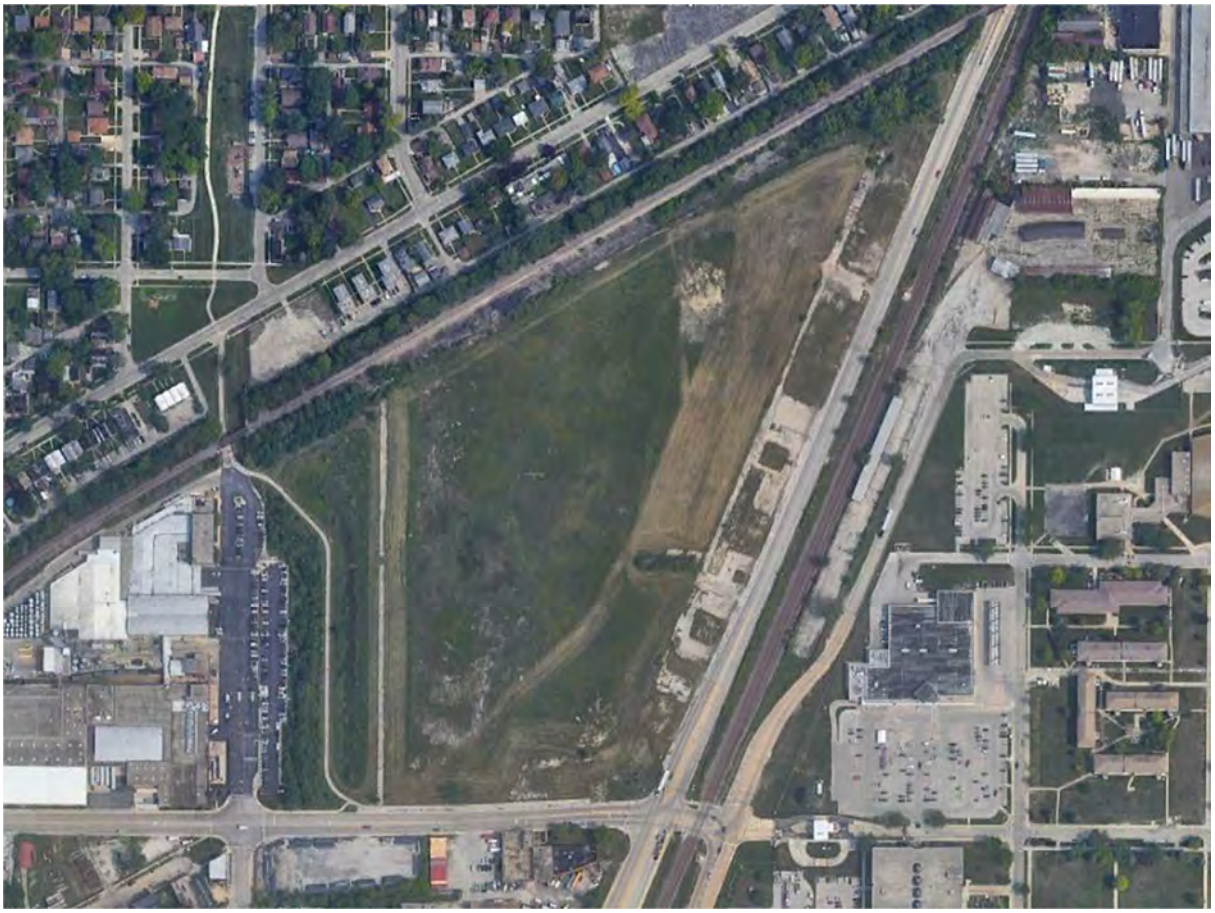
1. I have read the Site-Specific Health and Safety Plan for the Work at 2028 Sheridan Road in North Chicago, Lake County, Illinois.
2. I have been provided with site-specific orientation training.
3. I agree to comply with all provisions of the Plan, applicable government regulations, and recommendations of the Project Manager and Site Safety Officer.

SIGNATURE	PRINTED NAME	ORGANIZATION	DATE

Appendix E

Stormwater Pollution Prevention Plan

Construction Activities - Storm Water Pollution Prevention Plan (SWPPP)



Prepared for:
City of North Chicago
Sheridan Crossing Soil Remediation
2028 Sheridan Road, North Chicago, IL 60064
Rev 0.0

February 7, 2025

Prepared by:

the deigan group
environmental managers/consultants

28835 North Herky Drive
Lake Bluff, Illinois 60044
www.deiganassociates.com

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Figures

Figure 1 – Site Security Layout

Attachments

Attachment A – Sample Inspection Report

Attachment B – General NPDES Permit IRL10

Emergency Telephone Notification Numbers	2028 Sheridan Road, North Chicago, IL
Selected Contractor & Deigan - Contacts	
Contractor Site Superintendent	
Contractor Project Manager	
Bryan Peter, Environmental Consultant	(717) 575-1543 (Cell)
Gary Deigan, Environmental Consultant	(847) 404-9356 (Cell)
Local Emergency Services	
North Chicago Police Department	911 or non-emergency (847) 596-8774
North Chicago Fire Department	911 or non-emergency (847) 596-8780
Northwestern Medicine Lake Forest Hospital Emergency Department	911 or non-emergency (847) 535-6150
Lake County Emergency Management Coordinator	(847) 377-7100
State Agency	
Illinois Environmental Protection Agency	(217) 782-3397
Illinois Emergency Management Agency	(217) 782-7860 or (800) 782-7860
Federal Agencies	
National Response Center (for spill reporting)	1-800-424-8802
U.S. Environmental Protection Agency (EPA), Region V	Regional Office (312) 353-2000
In the event of a release, contact Site Superintendent	

Site Description

Description of Construction Activity

The 17.6-acre site in North Chicago, IL, is currently capped with a soil and vegetative barrier and is otherwise undeveloped and unpaved. The barrier will need to be temporarily disturbed to allow for in-situ treatment and sampling of residual metals in soil, which will then be excavated and transported to an off-site Subtitle D landfill. Any precipitation that falls on the area of active construction will be collected in frac tanks, sampled, analyzed, and managed as either wastewater or leachate in accordance with lab results.

Sequence of Major Activities

To effectively manage all possible contact stormwater during construction, work will be conducted in sections consisting of two (2) adjacent parcels. The sequence of work to be done at each parcel is the same. First, the existing soil cover is removed. Waste (soil) beneath the cover will then be treated with reagent and tested to confirm treatment success. After the soil has been confirmed as successfully treated it will be excavated and transported to a Subtitle D landfill facility. Finally, side-wall and sub-waste soil sampling will indicate whether more treatment is necessary. Upon achievement of positive confirmatory sampling results, backfill will replenish excavated waste and the soil cap will be reestablished.

Total Area Disturbed

The entire 17.6-acre site will be disturbed during the construction activity.

Runoff Coefficients

The runoff coefficient prior to construction activities can be estimated at 0.44-0.5 (land type: pasture, type D soil).

The runoff coefficient after construction activities can be estimated at 0.26-0.31 (land type: cultivated, soil type D).

Site Features

Slope is approximated at 0.011 (feet/feet) and is not expected to change. The topography at the site is gradually sloping east to west. See **Figure 1 – Site Plan**

Receiving Waters

The site will not directly discharge storm water to any receiving waters. All site storm water flows to an existing storm water pond and drains to the existing municipal sewer system.

Contact-Storm Water

Water on site or groundwater that is dewatered will be pumped to, and stored in, a frac tank to be analyzed for residual COCs (contaminants of concern). If the results of testing Contact Storm Water reveal levels of contaminants above universal treatment standards, it will be deemed

hazardous waste per the contained-in policy and the water will be disposed of off-site as hazardous waste within 90 days of generation via licensed hazardous waste haulers. If results show the contact water has no COCs above the universal treatment standards, then the water will be considered non-hazardous and will be disposed of at an off-site wastewater treatment facility that can accept liquid within their own permit limits. Water is not to be discharged off site.

Non-Contact Storm Water

Storm water that does not come into contact with low level contaminants in soil will continue to sheet flow to the existing storm water pond and discharge to the municipal sewer system.

Potential Pollutant Sources

Source	Potential Contaminants	BMPs	Maintenance
Excavated Construction Spoils	Metals	Silt Fence, Construction Entrance/Exit, Dust Suppression, Erosion Eels	Inspections performed weekly or immediately following a rain event of 0.50 inches or greater Repair/Replacement of damaged BMPs
Contact Storm Water	Metals	Silt Fence, Construction Entrance/Exit, Dust Suppression, Erosion Eels, Dewatering Frac Tank	Inspections performed weekly or immediately following a rain event of 0.50 inches or greater Repair/Replacement of damaged BMPs

Controls

Erosion and Sediment Controls

The following erosion and sediment controls will be utilized as shown on **Figure A – Site Plan** and as described below:

Stabilized construction entrance/exit

A construction entrance/exit will be installed with CA-1 limestone rock at the northeast corner of the site exiting onto Sheridan Road. To minimize tracking out of sediment/solids, this area will be maintained by sweeping or shoveling to avoid off-site discharge of solids.

Silt Fence

A silt fence or erosion eel will be constructed along the eastern property boundary to minimize sediment discharge from the site.

Frac Tank

A frac tank will be placed on-site for storage during dewatering and rainfall events. The water will be handled as Contact Storm Water and held in frac tanks until the proper disposal facility has been identified.

Dust-Suppression

On-site water captured from dewatering activities will be used for dust suppression as needed. A rain gauge will be maintained at the site and checked a minimum of once a week during a dry spell and once per day during rain events.

Stabilization practices

Soil stockpiles managed on-site for an extended period will be temporarily mulched and seeded to prevent off-site discharge.

Structural practices

Silt Fence

A silt fence will be constructed along the west boundary to minimize solids discharge from the site.

Security Fence

A 6-foot Temporary Security Fence will be installed around the perimeter of the project to ensure no unauthorized access to the exposed areas of the site.

Use of Treatment Chemicals

In-situ treatment of subsurface waste will be conducted with Free Flow 200, a heavy metal stabilizing reagent.

BMPs for Impaired Waters

All surface water on site accumulates in a storm water pond before draining to the municipal sewer system. The storm water drainage system in place on the site ensures that no surface water will contribute to nearby water ways, impaired or otherwise.

Pollution Prevention

On-site storage of materials will be in a segregated laydown zone away from construction activities. Hazardous materials will be covered from precipitation and hazardous liquids and petroleum products will be stored in adequately sized secondary containment.

Spill kits equipped with spill response materials will be kept on-site along with all safety data sheets for materials. The contents of spill kits, once deployed, will be returned to the original spill kit barrel, and properly disposed of off-site.

Potential leaks from the frac tank will be minimized by erosion eels placed on the south, west, and north ends of them.

Construction areas will be swept of all trash and debris at the end of each day. Proper disposal bins will be maintained at the site.

Maintenance

All erosion and sediment control devices and structures will be inspected weekly or after a rain event 0.50 inches or greater and repaired, or replaced, if necessary.

Inspections

A qualified person shall inspect disturbed areas of the construction site that are not stabilized, and construction entrances/exits on a weekly basis or within 24 hours of a storm that is 0.50 inches or greater. A rain gauge will be maintained at the site and checked a minimum of once a week during a dry spell and once per day during rain events.

> *Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment control measures, such as a licensed Professional Engineer (P.E.), a Certified Professional in Erosion and Sediment (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI), a Certified Stormwater Inspector (CSI) or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities.*

All inspections shall be performed and signed by a qualified person. Repairs and replacements to erosion and sediment controls shall be addressed immediately upon discovery during inspections and recorded on the inspection forms.

All unauthorized discharges to off-site receptors are considered violations of the Construction Phase General Stormwater Permit and are subject to reporting of "Incidence of Noncompliance" within 24 hours. The permittee shall notify the appropriate Agency Field Operations Section office by email at epa.swnoncomp@illinois.gov within 24 hours of violation and shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
2520 W Iles Ave
PO Box 19276
Springfield, Illinois 62794-9276

All records of inspection shall be maintained with the SWPPP at the construction site.

The inspection form can be found in **Appendix A.**

Certification of the SWPPP

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information contained in the plan. Based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information; the information contained in this document is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for providing false information, including the possibility of fine and imprisonment. In addition, I certify under penalty of law that, based upon inquiry of persons directly under my supervision, to the best of my knowledge and belief, the provisions of this document adhere to the provisions of the storm water permit for the development and implementation of a Storm water Pollution Prevention Plan and that the plan will be complied with."

Site Superintendent	Date
Contractor 1	Date
Contractor 2	Date
Contractor 3	Date

Appendix A: **Sample Inspection Report**

Instructions

This sample inspection report has been developed as a helpful tool to aid you in completing your site inspections. This inspection report is provided in Microsoft Word format to allow you to easily customize it for your use and the conditions at your site. You should also customize this form to help you meet the requirements in your construction general permit related to inspections. **If your permitting authority provides you with an inspection report, please use that form.**

Using the Inspection Report

This inspection report is designed to be customized according to the BMPs and conditions at your site. For ease of use, you should take a copy of your site plan and number all of the stormwater BMPs and areas of your site that will be inspected. A brief description of the BMP or area should then be listed in the site-specific section of the inspection report. For example, specific structural BMPs such as construction site entrances, sediment ponds, or specific areas with silt fence (e.g., silt fence along Main Street; silt fence along slope in NW corner, etc.) should be numbered and listed. You should also number specific non-structural BMPs or areas that will be inspected (such as trash areas, material storage areas, temporary sanitary waste areas, etc).

You can complete the items in the "General Information" section that will remain constant, such as the project name, NPDES tracking number, and inspector (if you only use one inspector, typically the Site Manager or his designee). Print out multiple copies of this customized inspection report to use during your inspections.

When conducting the inspection, walk the site by following your site map and numbered BMPs/areas for inspection. Also note whether the overall site issues have been addressed (customize this list according to the conditions at your site). Note any required corrective actions and the date and responsible person for the correction in the Corrective Action Log.

Stormwater Construction Site Inspection Report

General Information			
Project Name			
NPDES Tracking No.		**Location**	
Date of Inspection		**Start/End Time**	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Describe present phase of construction			

Type of Inspection:
❑ Regular ❑ Pre-storm event ❑ During storm event ❑ Post-storm event

Weather Information

Has there been a storm event since the last inspection? ❑Yes ❑No
If yes, provide:
Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):

Weather at time of this inspection?
❑ Clear ❑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ Snowing ❑ High Winds
❑ Other: Temperature:

Have any discharges occurred since the last inspection? ❑Yes ❑No
If yes, describe:

Are there any discharges at the time of inspection? ❑Yes ❑No
If yes, describe:

Site-specific BMPs

- *Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1		❑Yes ❑No	❑Yes ❑No	
2		❑Yes ❑No	❑Yes ❑No	
3		❑Yes ❑No	❑Yes ❑No	
4		❑Yes ❑No	❑Yes ❑No	
5		❑Yes ❑No	❑Yes ❑No	
6		❑Yes ❑No	❑Yes ❑No	
7		❑Yes ❑No	❑Yes ❑No	
8		❑Yes ❑No	❑Yes ❑No	
9		❑Yes ❑No	❑Yes ❑No	
10		❑Yes ❑No	❑Yes ❑No	
11		❑Yes ❑No	❑Yes ❑No	
12		❑Yes ❑No	❑Yes ❑No	
13		❑Yes ❑No	❑Yes ❑No	
14		❑Yes ❑No	❑Yes ❑No	

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
15		❑Yes ❑No	❑Yes ❑No	
16		❑Yes ❑No	❑Yes ❑No	
17		❑Yes ❑No	❑Yes ❑No	
18		❑Yes ❑No	❑Yes ❑No	
19		❑Yes ❑No	❑Yes ❑No	
20		❑Yes ❑No	❑Yes ❑No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	❑Yes ❑No	❑Yes ❑No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	❑Yes ❑No	❑Yes ❑No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate - anchored) and maintained?	❑Yes ❑No	❑Yes ❑No	
4	Are discharge points and receiving waters free of any sediment deposits?	❑Yes ❑No	❑Yes ❑No	
5	Are storm drain inlets properly protected?	❑Yes ❑No	❑Yes ❑No	
6	Is the construction exit preventing sediment from being tracked into the street?	❑Yes ❑No	❑Yes ❑No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	❑Yes ❑No	❑Yes ❑No	
8	Are washout facilities (e.g., concrete, hydroseeders, pavers) available, clearly marked, and maintained?	❑Yes ❑No	❑Yes ❑No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	❑Yes ❑No	❑Yes ❑No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	❑Yes ❑No	❑Yes ❑No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	❑Yes ❑No	❑Yes ❑No	
12	(Other)	❑Yes ❑No	❑Yes ❑No	

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION STATEMENT

"I hereby attest the above is original information (not reproduced) based on actual field observations made during the period indicated, by either myself or an appointed representative and are accurate, complete, and correct to the best of my knowledge.."

Print name and title: _____

Signature:_____ **Date:**_____

ILLINOIS URBAN MANUAL

Field Manual for Inspection of Erosion and Sediment Control Best Management Practices

COVER PHOTO CREDITS:

Background Photo: Kendall County SWCD
Top Right: ERO-TEX
Middle Right: ENCAP, Inc.
Lower Right: Jonathon Koepke

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PREFACE

This field manual is intended for use as a technical reference by developers, contractors, planners, engineers, government officials and others involved in inspection of soil erosion and sediment control best management practices on construction sites in Illinois. This field manual was written and reviewed by members of the Illinois Urban Manual Technical Review Committee (TRC) and Steering Committee (SC).

Practices found within the field manual are taken directly from the Illinois Urban Manual (IUM) which can be found at: www.aiswcd.org/IUM. Please consult the full manual for detailed standards as information contained within the field manual has been abridged.

The IUM is a dynamic document currently under revision coordinated and owned by the Association of Illinois Soil & Water Conservation Districts (AISWCD) with funding in large part provided by the Illinois Environmental Protection Agency (IEPA) through Section 319 of the Clean Water Act.

The initiative to update the IUM is a cooperative effort. The TRC and the SC are actively tasked with the revision of the manual. The SC is comprised of the following public agencies representing the entire State of Illinois: **AISWCD**, **IEPA**, **Soil & Water Conservation Districts** (SWCDs), **Illinois Department of Agriculture-Bureau of Land & Water Resources** (IDA-BLWR), **Illinois Department of Transportation** (IDOT), **United States Army Corp of Engineers Chicago District** (USACE), and **United States Department of Agriculture-Natural Resources Conservation Service** (USDA-NRCS). The TRC is comprised of the above mentioned public agencies in addition to the following public and private professionals: Illinois Department of Natural Resources-Office of Water Resources (IDNR-OWR), environmental consultants and engineers.

INTRODUCTION

Planning Principles

Planning principles are the overall guidelines that need to be considered to select, implement and maintain erosion and sediment control best management practices (BMPs).

Erosion and sedimentation are natural geologic processes that human activities often accelerate. Erosion occurs through the action of water or wind. There are three major processes that must be understood to effectively control or limit soil erosion and sedimentation on construction sites. These are detachment, transport, and deposition.

Three types of erosion are as follows:

- Raindrop erosion: Erosion resulting from the direct impact of falling drops of rain on soil particles. This impact dislodges soil particles and splashes them into the air. The dislodged soil particles can then be easily transported by the flow of surface runoff.
- Sheet Erosion: The removal of a layer of exposed surface soil by the action of raindrop splash and runoff. The water moves in broad sheets over the land and is not confined in small depressions.
- Rill and Gully Erosion: Occurs after runoff flows concentrate into rivulets, cutting several inches deep into the soil surface. These grooves are called rills. Gullies may develop from rills if not repaired or in other areas where a concentrated flow of water moves over the soil.

Many of the BMPs included in the field manual will individually address one or more types of erosion. Of these, most will impact the detachment or movement of sediment or provide storage methods.

This manual categorizes BMPs into the following:

- **Erosion Control**
- **Sediment Control**
- **Miscellaneous**

The most important, and most often neglected, task is to provide effective soil stabilization by employing **erosion control** measures throughout the duration of a construction project. Soil stabilization is based on a simple premise: if water cannot detach the soil, it cannot be transported (i.e., erosion does not occur). The easiest, most economical, and environmentally sound way to prevent detachment is by keeping a good vegetative cover in place. One way this can be done is by minimizing soil disturbance. It also can be accomplished via other techniques such as mulching or use of erosion control blanket.

Planning Principles (continued)

Once the soil is detached, flowing water transports the soil to downslope positions. **Sediment control** measures are needed to filter, trap or otherwise remove eroded sediments before they can leave the construction site.

Additionally, sediment control measures can provide runoff control which is needed to deal with concentrated runoff. Concentrated runoff is a common occurrence on large sites containing existing drainageways and is made more severe by grading activities that removes water absorbent topsoil and compacts underlying soils. If concentrated runoff occurs, it will further erode the soil and carry it into streams, lakes, or road ditches. The basic principles behind runoff control measures are to provide stabilized channels for runoff water and to divert concentrated runoff from exposed, erodible soils.

In implementing the erosion and sediment control BMPs described in the field manual, it is important to understand them in the context of an overall construction site plan. Selection and design of BMPs must involve more than just choosing a practice from a list and installing it on a site. It also involves a planning process which considers areas for protection, the problem to be avoided, or remediated, and also factors in the characteristics of a site.

Effective site planning and design will result in minimal impacts to water quality, natural hydrologic characteristics and sensitive landscape features. Site design and the application of sound planning principles are critical factors in achieving effective soil erosion and sediment control.

Regulations & Requirements

What the law requires: Water Quality Regulations

The United States Army Corps of Engineers (USACE) and United States Environmental Protection Agency (USEPA) are the two federal agencies that regulate water quality. Both agencies have authority under the Clean Water Act (CWA) of 1977.

Specifically, the USACE has authority under Section 404 of the CWA of 1977. Additionally, the USACE has authority under Section 10: Rivers & Harbors Act of 1899 (RHA). Under the RHA, the USACE regulates “all work or structures” placed in or affecting the navigational waters of the United States (U.S.). One is required to obtain a permit from the USACE for marinas, bulkheads, bank stabilization, shoreline protection,

Regulations & Requirements (continued)

piers, pipelines, dredging, discharging or other work in navigational waters of the U.S.

The CWA of 1977 and subsequent amendments established a system of water quality standards, discharge limitations and permits. In Illinois, the USEPA has delegated responsibility for Section 401 and 402 to Illinois EPA. Prior to the issuance of a Section 404 permit, one must obtain Section 401 certification.

Section 401: Water Quality Certification

One must receive the Section 401 certification before applying for a federal permit for any work, which may result in a discharge to waters of the U.S., to ensure that actions are in accordance with Illinois' water quality standards.

Section 402: National Pollutant Discharge Elimination System (NPDES)

The General NPDES Permit No ILR10 for Storm Water Discharges from Construction Sites along with all required forms can be found on Illinois EPA's Phase II Stormwater website: http://www.epa.state.il.us/water/permits/storm-water/

In addition, in designated urbanized areas, there are regulations requiring permit applications for storm water discharges for municipal separate storm sewer systems (MS4s). MS4 communities are required to obtain permit coverage, develop a storm water management program and submit an annual report.

Section 404: Dredge or Fill Permitting

A permit program administered by the USACE that regulates the discharge of dredged or fill material into waters of the U.S., including wetlands and other special aquatic sites under the CWA. Section 404 permits and Section 401 Illinois EPA Water Quality Certification are linked together through the 404 permit application process.

Local Ordinances

In addition to Federal and State requirements, it is important to contact your local county or municipality to check local regulations. Local ordinances may require water quality and quantity issues to be addressed during the land development process.

Site Inspection

Inspections are an important, required element of an erosion and sediment control plan to ensure that a site meets the

Site Inspection (continued)

various water quality requirements of local, state and federal water quality regulations. The purpose of inspection is to verify that erosion and sediment control plans are being properly implemented and are adequate to prevent potential problems before they occur.

Qualified inspection personnel are those who are knowledgeable in the principles and practices of erosion and sediment control measures. **Inspectors should refer to the appropriate regulations for guidance on inspector qualifications and inspection requirements.**

As an inspector, it is important to note that:

- Erosion control is the first line of defense, and soil surface protection from raindrop impact is the most effective means of erosion control.
- Sediment control is the second line of defense, and runoff velocity reduction is the most effective means of controlling sediment.
- Erosion and sediment controls, and maintenance of these controls, must work together for maximum control.
- Day to day evaluation of erosion and sediment control methods and maintenance onsite can ensure compliance.

During an inspection, disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants (soil, oil, paints, chemicals, litter, etc.) entering the drainage system. Erosion and sediment control measures shall be observed to ensure they are operating correctly and being maintained according to specifications. Discharge locations or points shall be inspected to ascertain whether control measures are effective in preventing impacts to onsite and offsite areas as well as receiving waters. Deficiencies found during an inspection shall be corrected as soon as practicable after such inspection.

In addition, it is important to document each inspection. At a minimum, a report summarizing the scope of the inspection, name and qualifications of the inspector, date, site observations and actions taken to address concerns shall be made and maintained onsite.

Actions shall be taken to correct the concerns. All corrective measures shall be maintained throughout the duration of construction activity or until the site has been permanently stabilized.

PRACTICE SELECTION GUIDE

PRACTICE	Page #	Sheet Erosion	Rill & Gully Erosion	Streambank Erosion	Stream Channel Erosion	Sediment Control
Culvert Inlet Protection	28					2
Dewatering	31					3
Ditch Check - Manufactured	35		2			2
Erosion Control Blanket	7	2			1	2
Turf Reinforcement Mat	25	2	3	3	3	2
Inlet Protection-Paved Areas	42					2
Mulching	10	2				2
Polyacrylamide (PAM) for Temporary Soil Stabilization	13	3				3
Polyacrylamide (PAM) for Turbidity Reduction	45	3				3
Rock Check Dam	50		2			2
Rock Outlet Protection	16		2	2	2	1
Silt Fence	58	3				3
Stabilized Construction Entrance	20	1				2
Sump Pit	61					2
Temporary Concrete Washout Facility	64					2
Temporary Seeding	23	3	2	2	1	2

1: Slight Impact 2: Moderate Impact 3: Significant Impact

EROSION CONTROL PRACTICES

EC

EROSION CONTROL BLANKET

Code 830

EC

Credit: Ero-Tex

DEFINITION

A temporary protective blanket of degradable materials; such as straw, wood, coconut, jute or blend of these materials bound into a mat, usually with a plastic or degradable mesh or netting on one or both sides.

PURPOSE

To protect the soil surface from raindrop impact and overland flow during the establishment of vegetation, and to reduce soil moisture loss due to evaporation.

CONDITIONS WHERE PRACTICE APPLIES

Applies on exposed slopes and newly seeded areas. These blankets are used on slopes that are 1.5:1 or flatter. The most common application is on slopes and flat areas where turf will need to be established. For swales, channels and slopes steeper than 1.5:1 please refer to practice standard 831 TURF REINFORCEMENT MAT. A designer should determine blanket type.

CRITERIA

Blanket type should be selected by slope steepness, shear stress, degradation of the blanket, and the duration of time that the blanket will be protecting the soil solely without vegetation. Erosion control blankets shall be installed after the seed bed preparation, fertilizing, or liming (adjusting the soil pH) and seeding is completed. Refer to practice standards 965 TEMPORARY SEEDING and 880 PERMANENT SEEDING.

CRITERIA (continued)

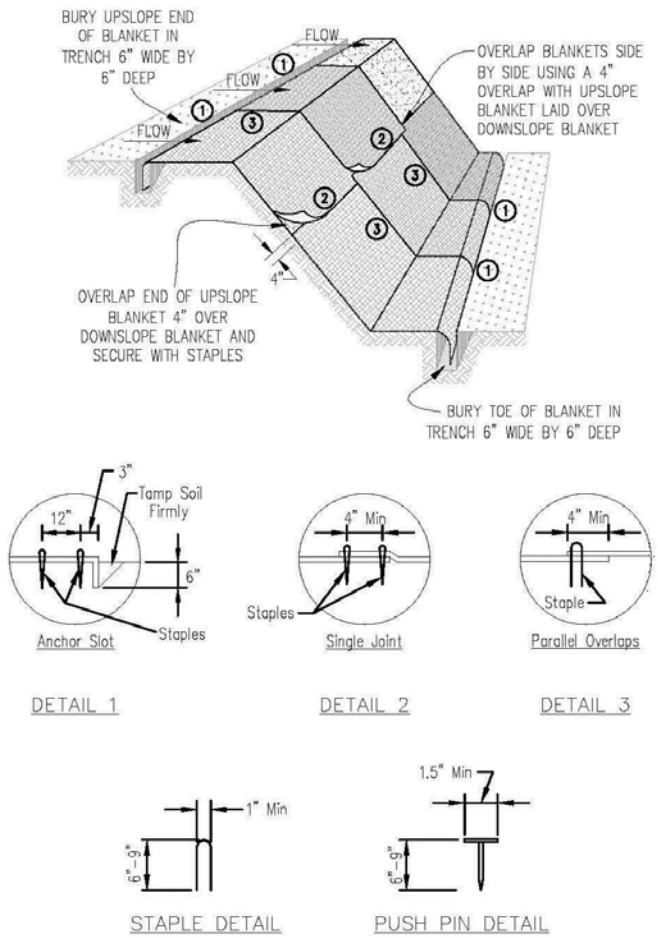
The blanket shall be in firm contact with the soil. All rocks or soil clods 1.5 inches or larger must be removed prior to installation. It shall be anchored per the manufacturer's recommendation with the proper number and spacing of wire staples. The staples/pins shall be the proper width and length to meet the manufacturer's recommendations.

On slopes and in flow channels, the blanket shall be unrolled upstream to downstream parallel to the direction of flow. The upstream end of each blanket shall be anchored in a minimum 6-inch deep anchor trench, backfilled, and compacted. These blankets, when laid side by side, shall overlap a minimum of 4 inches. When more than one blanket length is needed, the materials shall be shingled at a minimum of 4 inches over the downstream piece as shown in standard drawing EROSION CONTROL BLANKET IL-530. All edges shall be stapled as per manufacturer's recommendation or at least as stringent as that stated in standard drawing IUM-530.

OPERATION & MAINTENANCE

When inspecting Erosion Control Blankets, check for damage due to water running under the blanket, tenting of the blanket, or if the blankets have been displaced by wind. Also, inspect locations in the flow channels where the blanket terminates and transitions into another BMP (such as riprap) for erosion under the blanket. Any areas where water seeped under the blanket, more staples may be needed per given area or more frequent anchoring trenches installed with better compaction. If significant erosion has occurred under the blanket, grading and reseeding may also be necessary. Any blankets that have been displaced will need to be reinstalled and re-stapled. This may indicate that the wrong type of blanket was chosen or improper final site grading was performed. One may need to revisit the site characteristics and then select a different type of Erosion Control Blanket or choose a different practice.

STANDARD DRAWING 530



NOTES

1. Staples shall be placed in a diamond pattern at 2 per square yard for stitched blankets. Non-stitched shall use 4 staples per square yard of material. As such, stitched blankets require 200 staples and non-stitched blankets require 400 staples per 100 square yards of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions (minimum staple length is 6”).
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12” intervals.

MULCHING FOR SEEDING & SOIL STABILIZATION

Code 875 EC

Credit: Kane-DuPage SWCD

DEFINITION

The application of mulch materials over seeded areas or for soil stabilization.

PURPOSE

To prevent erosion and surface compaction or crusting by protecting the soil surface from raindrop impact and reducing the velocity of overland flow.

To foster the growth of vegetation by conserving available moisture and providing insulation against extreme heat and cold.

CONDITIONS WHERE PRACTICE APPLIES

1. Areas that have been seeded to provide permanent vegetation.
2. Areas that have been seeded to provide temporary erosion control.
3. Areas requiring soil stabilization.
4. Areas using a light duty mulch with slopes of 4:1 (H:V) or flatter; and areas using a high performance mulch with slopes of 2:1 to 4:1.

This practices does not apply to tree and shrub planting areas. Follow the requirements of practice standard TREE AND SHRUB PLANTING 985 for mulching in these areas.

This practices does not apply to areas where concentrated flows are present; follow the requirements set forth in other practice standards, such as EROSION CONTROL BLANKET: TURF REINFORCEMENT MAT (TRM) 831 OR SODDING 925.

CONDITIONS WHERE PRACTICE APPLIES (continued)

For slopes greater than 2:1 (H:V), follow the requirements of practice standard EROSION CONTROL BLANKET 830, EROSION CONTROL BLANKET: TURF REINFORCEMENT MAT (TRM) 831, SOIL BIOENGINEERING 926, OR SURFACE ROUGHENING 953.

CRITERIA

When used over seeded areas, mulching Methods 1, 2 and 3 shall be performed within 24 hours of the application of seed. Seed shall be applied in accordance with practice standards PERMANENT VEGETATION 880 or TEMPORARY SEEDING 965.

Areas to receive mulch shall be prepared in accordance with construction specification 6 SEEDING, SPRIGGING AND MULCHING.

Mulch Materials- Straw mulch shall come from oats, wheat, rye or barley and be free of diseased plant residue, weed seeds, and harmful chemical residues. Hydraulic mulch shall consist of wood, straw, or paper—or a combination of the three. Chemical mulch binder shall be approved as safe for the surrounding ecosystem. Manufactured mulches shall be installed in accordance with manufacturer's specifications.

Method 1- This method shall consist of the application of straw mulch at a rate of 2 tons/acre. This method shall be used on relatively flat surfaces in areas protected from wind.

Method 2- This method shall consist of the application of stabilized straw mulch at a rate of 2 tons/acre. This method shall be used in areas of moderate slope, when the ground is not frozen. Mulch shall be stabilized using one of the following methods:

1. Anchoring by means of mechanical stabilizer, or crimper, with dull, flat parallel disks spaced approximately eight inches apart. Mulch material shall be tucked 2" to 3" into the soil surface. Anchoring operation shall operate as close to the contour as possible.
2. Stabilizing by the application of an overspray of hydraulic mulch after the application of straw mulch. The hydraulic mulch shall be applied by an approved hydraulic mulch equipment at a minimum rate of 900 lb. of mulch per acre.

CRITERIA (continued)

The hydraulic mulch shall be mixed in accordance with manufacturer's recommendations. Hydraulic mulch shall not be applied when the ambient temperature is at or below freezing.

3. Anchoring by means of stabilizing the mulch with a chemical mulch binder applied with the straw or as an overspray.

Method 3- This method shall consist of machine application of hydraulic mulch using approved hydraulic mulch equipment. The mulch shall, at a minimum, be applied at a rate of 1 ton of mulch per acre and for high performance mulch, more material may be needed. The hydraulic mulch shall be mixed in accordance with manufacturer's recommendations.

Hydraulic mulch shall not be applied when the ambient temperature is at or below freezing. To achieve full and even coverage, the hydraulic mulch shall be applied from two opposing directions.

OPERATION & MAINTENANCE

Where erosion is observed or where mulch has been displaced, the seeding and mulch, as well as other damages, shall be repaired or replaced immediately. Inspections shall occur until seeded areas are firmly established or soil stabilization is no longer required.

Operations by equipment on or near the site shall not damage the intended purpose of the mulch. Any damage shall be repaired or replaced immediately.

POLYACRYLAMIDE (PAM) FOR TEMPORARY SOIL STABILIZATION

EC

Code 893

Credit: IUM Technical Review Committee

DEFINITION

The land application of a water soluble anionic or nonionic Polyacrylamide (PAM) as a temporary agent to bind soil particles and reduce erosion.

PURPOSE

To temporarily stabilize disturbed soils and reduce erosion from wind and water during construction activities.

CONDITIONS WHERE PRACTICE APPLIES

This practice applies where timely establishment of vegetation or other temporary or permanent stabilization practices may not be feasible or practical, or to enhance or augment other stabilization practices. PAM application may be beneficial to or during:

- rough grading
- cut/fill areas
- temporary stockpiles
- temporary or permanent seeding
- staging areas
- any disturbed soils

CRITERIA

Only anionic or nonionic PAM shall be used for stormwater treatment. No cationic PAM formulations shall be used for stormwater treatment due to high toxicity to aquatic life.

Polyacrylamide use for erosion control shall be used in areas of sheet flow only. Polyacrylamide is not designed for

CRITERIA (continued)

use as an erosion control best management practice in concentrated flow.

Slope steepness and length shall be taken into consideration when using PAM or discussed with manufacturer to ensure appropriate application and stabilization is achieved. Polyacrylamide shall not be applied on slopes steeper than 3:1 without additional erosion control measures such as an erosion control blanket or turf reinforcement matting or applied as an additive in a hydraulically applied mulch.

PAM shall not be applied to soils that are frozen or soils that have ice present at the surface.

When handling and mixing PAM, manufacturers' recommendations and criteria shall be followed. The method of PAM application chosen shall ensure a uniform coverage of active polymer over the areas to be stabilized. Polyacrylamide must be applied in solution.

Polyacrylamide application for soil stabilization shall be used for temporary purposes only (less than 4 months).

Application rates will vary based on manufacturer, but actual amount of polymer applied shall not exceed Material Safety Data Sheet (MSDS) or manufacturer's recommendations.

The PAM chosen to be used on site shall be tested with soils from the site where it is to be used prior to installation, to ensure successful application.

Polyacrylamides used for erosion control shall have a charge density of 8-35% by weight and have a molecular weight of 6 to 24 mg/mole.

The acrylamide used in the PAM shall also meet active monomer limits of ≤0.05%.

OPERATION & MAINTENANCE

Degradation of PAM occurs as a result of mechanical, chemical, and biological hydrolysis. The effectiveness of PAM,

OPERATION & MAINTENANCE (continued)

for soil stabilization, will decrease over the course of time and the areas where PAM is used for soil stabilization should be inspected regularly for signs of erosion.

Polyacrylamide treated areas shall be monitored after each rain event to identify areas that may require reapplication. Areas treated with PAM that are redisturbed shall be re-treated with PAM, as recommended by the manufacturer, or another equivalent soil stabilization practice.

All equipment used to apply PAM shall be thoroughly rinsed and kept clean to ensure effective application rates and prevent clogging, damage to equipment or mixing of inappropriate PAM formulations due to residual PAM.

Adjust PAM types used on-site as needed to ensure effective stabilization. No excess amounts of PAM should be disposed of directly to storm sewers or receiving waters.

ROCK OUTLET PROTECTION
Code 910

EC

Credit: USDA-NRCS (Illinois)

DEFINITION

A section of rock protection placed at the outlet end of culverts, conduits, or channels.

PURPOSE

To prevent scour erosion at stormwater outlets, to protect the outlet structure, and to minimize the potential for downstream erosion by reducing the velocity and energy of concentrated stormwater flows. The practice also reduces the impacts of turbidity and sedimentation downstream.

CONDITIONS WHERE PRACTICE APPLIES

This practice applies where discharge velocities and energies at the outlets of culverts, conduits, or channels are sufficient to erode the receiving channel or area. This applies to:

1. Culvert outlets of all types.
2. Pipe conduits from all sediment basins, dry and wet basin detention storm water ponds.
3. New channels constructed as outlets for culverts and conduits.
4. Where outflows from conduits or channels do not exceed 10 fps.

The design, of structurally lined aprons at the outlet of pipes and paved channel sections, applies to the immediate area or reach below the pipe or channel and does not apply to continuous rock linings of channels or streams.

The design of rock outlet protection depends entirely on the location. Pipe outlets at the top of cuts or on slopes steeper than 10 percent cannot be protected by rock aprons or riprap

CONDITIONS WHERE PRACTICE APPLIES (continued)

sections due to reconcentration of flows and high velocities encountered after the flow leaves the apron.

CRITERIA

Tailwater depth - Depth of tailwater, immediately below the pipe outlet, must be determined for the design capacity of the pipe. Manning's Equation may be used to determine tailwater depth. If the tailwater depth is less than half the diameter of the outlet pipe and the receiving stream is wide enough to accept divergence of the flow, it shall be classified as a Minimum Tailwater Condition. If the tailwater depth is greater than half the pipe diameter and the receiving stream will continue to confine the flow, it shall be classified as a Maximum Tailwater Condition. Pipes which outlet onto a flat area with no defined channel will be assumed to have a Minimum Tailwater Condition.

Apron length - Apron length (La) shall be determined from Table 2 of this standard, located within the Illinois Urban Manual, according to the appropriate tailwater condition and velocity out of the conduits.

Apron width - When the pipe discharges directly into a well-defined channel, the apron shall extend across the channel bottom and up the channel banks to an elevation one foot above the maximum tailwater depth or to the top of the bank, whichever is less.

If the pipe discharges onto a flat area with no defined channels, the following criteria will be followed. Apron width will be 3 times the pipe diameter at the upstream location. The downstream width will be the pipe diameter plus the apron length for pipes with minimum tailwater conditions and the pipe diameter plus 0.4 times the apron length for pipes flowing under maximum tailwater conditions.

Bottom grade - The outlet protection apron shall be constructed with no slope (0.0% grade) along its length. There shall be no overfall at the end of the apron. The elevation of the downstream end of the apron shall be equal to the elevation of the receiving channel or adjacent ground.

CRITERIA (continued)

Alignment - Outlet protection apron shall be located so that there are no bends in the horizontal alignment.

Materials - Outlet protection may be done using rock riprap, concrete block or gabions.

Thickness - The maximum thickness of the riprap layer shall be 1.5 times the maximum stone diameter for d50 of 15 inches or less; and 1.2 times the maximum stone size for d50 greater than 15 inches. Table 1 of this standard, located within the Illinois Urban Manual, lists some examples.

Stone quality - Stone for riprap shall consist of field stone or rough unhewn quarry stone. The stone shall be hard and angular and of a quality that will not disintegrate on exposure to water or weathering. The specific gravity of the individual stones shall be at least 2.5.

The median size stone for riprap shall be determined from Tables 1 and 2 of this standard, located within the Illinois Urban Manual, for the material specified for the tailwater condition present. The placement of the riprap shall conform to construction specification 61 LOOSE ROCK RIPRAP.

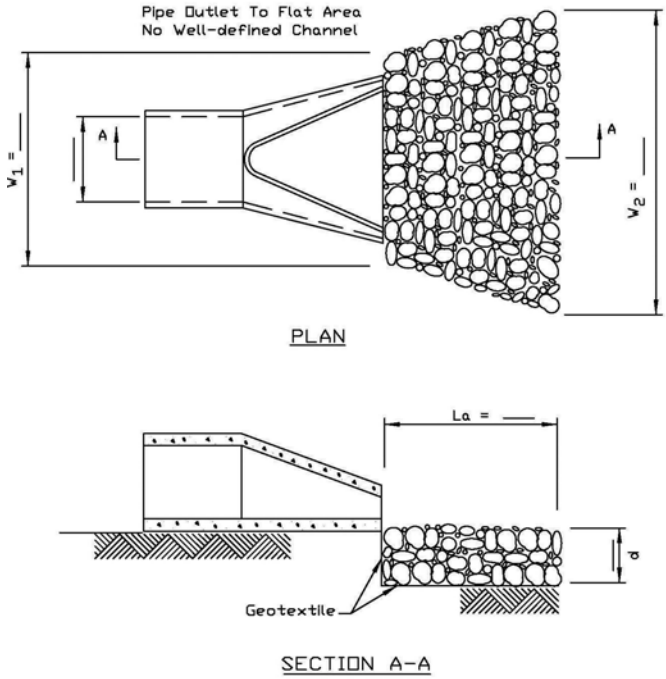
Recycled concrete equivalent may be used provided it has a density of at least 150 pounds per cubic foot, and does not have any exposed steel or reinforcing bars.

Filter Fabric - In all cases, filter fabric shall be placed between the riprap and the underlying soil to protect soil movement into and through the riprap. The material must meet or exceed requirements specified in material specification 592 GEOTEXTILE Table 2 Class I.

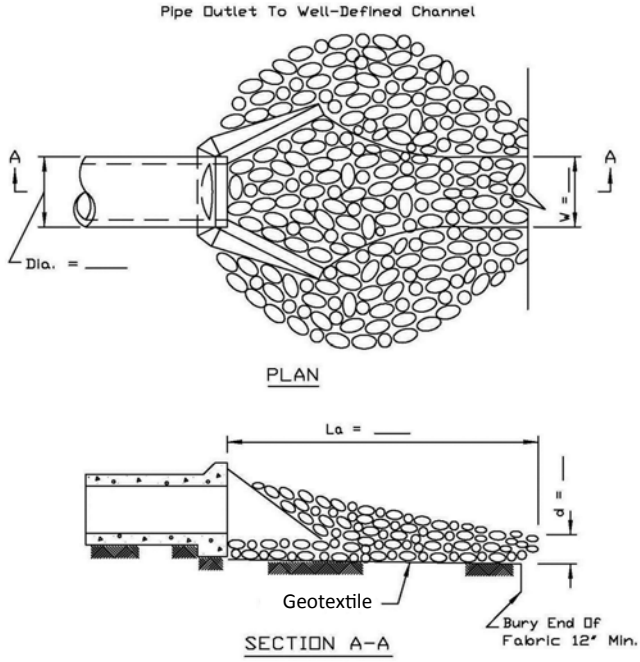
OPERATION & MAINTENANCE

Inspect riprap outlet structures after heavy rains to see if any erosion around or below the riprap has taken place or if stones or geotextile fabric has been dislodged. Make all needed repairs immediately to prevent further erosion or sediment discharge.

STANDARD DRAWING 610: Pipe Outlet to Flat Area



STANDARD DRAWING 611: Pipe Outlet to Channel



STABILIZED CONSTRUCTION ENTRANCE
Code 930

EC

Credit: USDA-NRCS (Illinois)

DEFINITION

A stabilized pad of aggregate underlain with filter fabric located at any point where traffic will be entering or leaving a construction site to or from a public right-of-way, street, alley, sidewalk, or parking area.

PURPOSE

To reduce or eliminate the tracking of sediment onto public right-of-ways or streets.

CONDITIONS WHERE PRACTICE APPLIES

A stabilized construction entrance shall be used at all points of construction ingress and egress.

CRITERIA

Stabilized construction entrance shall meet the following requirements:

Aggregate size: IDOT coarse aggregate gradations: CA-1, CA-2, CA-3 or CA-4

Thickness: 6 inches or more

Stone placement: The stone for the entrance shall be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.

Width: 14 feet minimum but not less than the full width of ingress or egress points.

Length: As required, but not less than 70 feet, except on a single residence lot where a 30 feet minimum shall apply.

CRITERIA (continued)

Filter fabric shall be used under the aggregate to minimize the migration of stone into the underlying soil by heavy vehicle loads. The filter fabric shall meet the requirements of materials specification 592 GEOTEXTILE Table 2 Class I.

All surface water following or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.

Washing- If conditions on the site are such that the vehicles traveling over the gravel do not remove the majority of the mud, then the tires of the vehicles must be washed before entering a public road. Wash water must be carried away from the entrance to a sediment trapping facility such as practice standard TEMPORARY SEDIMENT TRAP 960. A wash rack may be used to make washing more convenient and effective.

Location – The washing station should be located to provide for maximum utility by all construction vehicles.

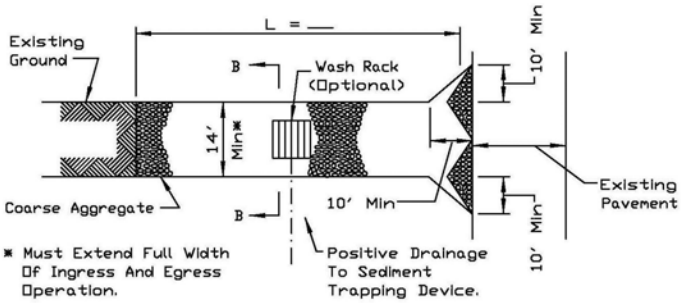
Timing – The graveled access shall be installed as soon as practical after the start of site disturbance.

Removal – The entrance shall remain in place and be maintained until the disturbed area is stabilized by permanent best management practices.

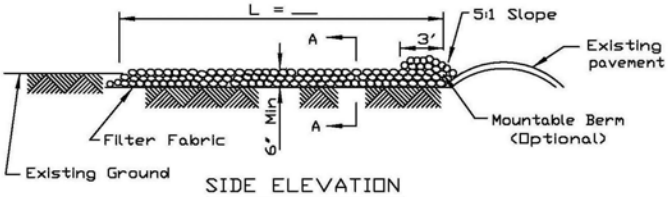
OPERATION & MAINTENANCE

The entrance shall be maintained in a condition that will prevent tracking of sediment onto public right-of-ways or streets. This may require periodic top dressing with additional aggregate. All sediment spilled, dropped or washed onto public right-of-ways must be removed immediately. Periodic inspection and needed maintenance shall be provided after each rain.

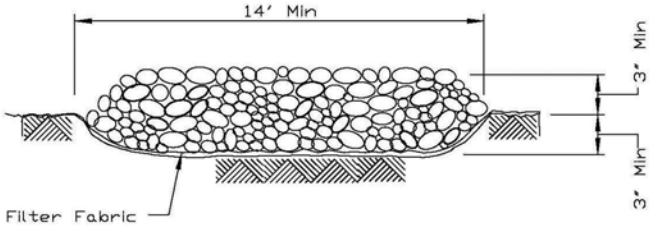
STANDARD DRAWING 630: Stabilized Construction Entrance Plan



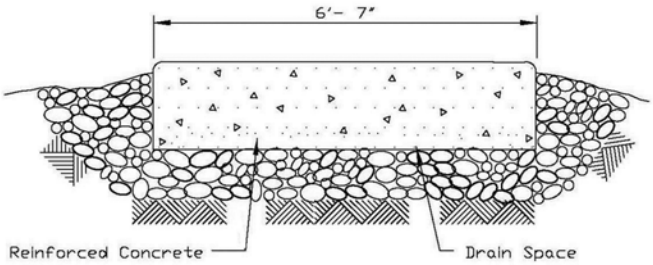
PLAN VIEW



SIDE ELEVATION



SECTION A-A



SECTION B-B

TEMPORARY SEEDING
Code 965

EC

Credit: Winnebago County SWCD

DEFINITION

Planting rapid-growing annual grasses or small grains, to provide initial, temporary cover for erosion control on disturbed areas.

PURPOSE

To temporarily stabilize denuded areas that will not be brought to final grade or on which construction will temporarily cease.

CONDITIONS WHERE PRACTICE APPLIES

To all cleared, unvegetated, or sparsely vegetated soil surfaces where vegetative cover is needed for less than 1 year. Applications of this practice include diversions, dams, temporary sediment basins, temporary road banks, topsoil stockpiles and any other exposed areas of a construction site.

CRITERIA

Plant Selection- Select plants appropriate to the season and site conditions from the associated table, for this standard, located within the Illinois Urban Manual.

Site Preparation- Prior to seeding, install necessary erosion control and sediment control practices, if possible. Remove large rocks or other debris that may interfere with seedbed preparation or seeding operations.

Seedbed Preparation:

1. Fertilizer: In advance of utilizing fertilizer, please consult local regulations for specific requirements regarding application of nutrients. A soil test may be helpful in

CRITERIA (continued)

determining site specific fertilizer needs. In lieu of site specific recommendations, apply 500 pounds per acre of 10-10-10 fertilizer or equivalent. Incorporate lime, if needed, and fertilizer into the top 2-4 inches of soil. If the seeding period is less than 30 days, fertilizer will not be required.

2. Prepare a seedbed of loose soil to a depth of 3 to 4 inches. If recent tillage or grading operations have resulted in a loose surface, additional tillage or roughening may not be required except to break up large clods. If rainfall caused the surface to become sealed or crusted, loosen it just prior to seeding by disking, raking, harrowing, or other suitable methods. Groove or furrow slopes steeper than 3:1 on the contour before seeding.

Seeding: Seed shall be evenly applied with a cyclone seeder, drill, cultipacker seeder or hydroseeder. Small grains shall be planted no more than one inch deep. Grasses shall be planted no more than 1/2 inch deep.

Follow broadcast seedings by cultipacking, dragging a harrow or raking.

Mulching- Seedings made during optimum spring and summer seeding dates, with favorable soil and site conditions, will not require mulch. When temporary protection is needed see practice standard MULCHING 875.

OPERATION & MAINTENANCE

Reseed areas where seedling emergence is poor, or where erosion occurs, as soon as possible. Protect from vehicular and foot traffic. Control weeds by mowing.

Table 1: Temporary Seeding, Species, Rates & Dates

Species	Lbs./Acre	Lbs./1000 ft. 2	Seeding Dates
Oats	90	2	Early spring-July 1
Cereal Rye	90	2	Early spring-Sept. 30
Wheat	90	2	Early spring-Sept. 30
Perennial Ryegrass	25	0.6	Early spring-Sept. 30

TURF REINFORCEMENT MAT (TRM)
Code 831

EC

Credit: ERO-TEX

DEFINITION

Protective reinforced materials formed into a non-degradable mat.

PURPOSE

To reinforce vegetation against medium to high flow conditions, ice, wave action, and to protect the soil surface from rain drop impact.

CONDITIONS WHERE PRACTICE APPLIES

Area of concentrated flow where natural vegetation alone will not sustain expected flow conditions or provide sufficient long term erosion protection. Areas where shorelines are susceptible to ice and wave action or hard armoring is inappropriate due to landscape features such as mowing.

CRITERIA

The Turf Reinforcement Mat (TRM) shall be selected based on shear stress, steepness of slope, and expected flow velocities.

The TRM shall be placed the same day as seed placement.

Degradable staples shall not be used in area where turf establishment will not happen quickly.

The TRM shall be in firm contact with the soil. All rocks or soil clods 1.5 inches or larger must be removed prior to installation. The TRM shall be anchored per manufacturer recommendations and using the proper number and spacing of staples. The staples/pins shall be the proper width and

CRITERIA (continued)

length to meet the manufacturer's recommendations and IUM Standard Drawing IUM 531 EROSION CONTROL BLANKET: TURF REINFORCEMENT MAT and IUM Material Specification 805 EROSION CONTROL BLANKET.

Soil filled TRMs shall have an appropriate erosion control blanket installed over the top to hold the soil in place.

In concentrated flow channels the TRMs shall be unrolled upstream to downstream, parallel to the direction of flow. The upstream edge of the TRM shall be toed into an anchor trench a minimum of 6" wide by 6" deep. All overlaps shall be a minimum of 4".

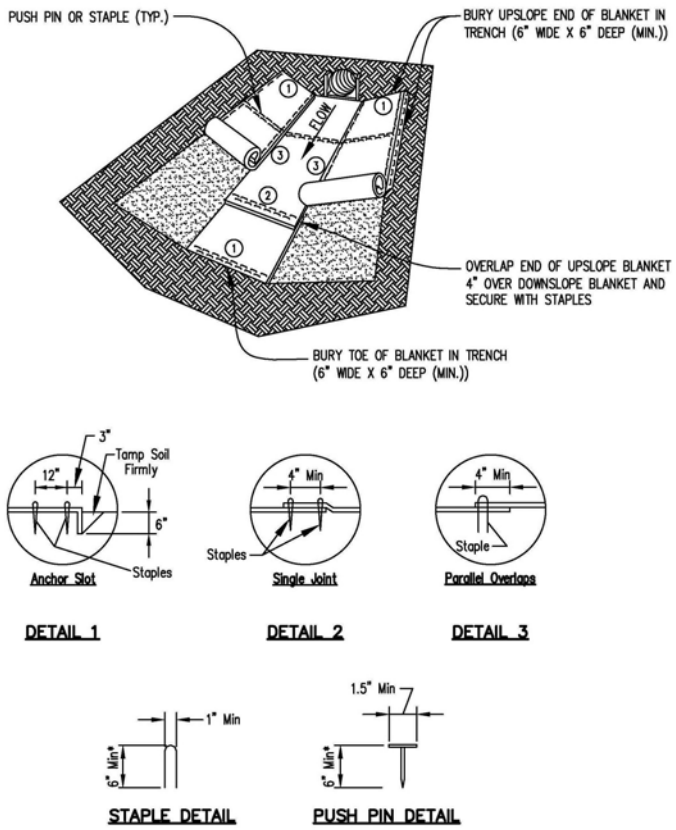
Staple check slots are recommended at 40' intervals using a double row of staples staggered 4" apart and 4" on center over the width of the channel.

OPERATION & MAINTENANCE

When mowing, mower decks shall remain raised all season until TRM has either dropped down into the soil or incorporated into the root structure.

Inspect all TRMs periodically during establishment. Repair or replace any areas that may be failing. If the TRM has failed due to high flow, more substantial TRMs or hard armament may be needed.

STANDARD DRAWING 531: Turf Reinforcement Mat



NOTES

1. For sandy soil conditions, staple or push pin shall be a minimum of 8".

SEDIMENT CONTROL PRACTICES

SC

CULVERT INLET PROTECTION

Code 808

SC

Credit: Kendall County SWCD

DEFINITION

A temporary sediment filter located at the inlet to storm sewer culverts.

PURPOSE

To prevent sediment from entering, accumulating in and being transferred by a culvert and associated drainage system prior to permanent stabilization of a disturbed project area.

CONDITIONS WHERE PRACTICE APPLIES

Where a culvert and associated drainage system are to be made operational prior to the stabilization of the disturbed drainage area.

CRITERIA

All culvert inlet protection shall be constructed in a manner that will facilitate cleanout and disposal of trapped sediment and minimizes interference with construction activities.

All culvert inlet protection shall be constructed in such a manner that any resultant ponding of stormwater will not cause inconvenience or damage to adjacent areas or structures.

<u>Stone Culvert Inlet Protection</u>

Stone culvert inlet protection has a maximum expected useful life of 18 months.

The maximum area draining to this practice shall be 3 acres.

CRITERIA (continued)

For drainage areas larger than 3 acres, install a temporary sediment trap meeting the requirements of practice standard TEMPORARY SEDIMENT TRAP 960.

The stone culvert inlet protection is a small stone berm in a horseshoe shape around the culvert inlet. The upstream half of the stone berm shall consist of coarse aggregate meeting IDOT CA-1, CA-2, CA-3 or CA-4 gradation and the downstream half of the stone berm shall consist of riprap meeting IDOT RR-3 or RR-4 gradation. In addition, any riprap that is used for permanent protection on the culvert inlet embankment shall meet IDOT Quality Designation A.

Filter fabric shall be used under the aggregate. The filter fabric shall meet the requirements of materials specification 592 GEOTEXTILE Table 2 Class I.

The downstream toe of the stone berm shall be no closer than 24 inches from the culvert opening in order to provide an acceptable emergency outlet for flows from larger storm events.

Maximum height of the stone berm shall be 3 feet.

Side slopes of the stone berm section shall not exceed 2:1 horizontal to vertical.

The stone berm shall be tied into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

OPERATION & MAINTENANCE

The structure shall be inspected after every runoff producing rain and repairs made as needed.

If aggregate is used, it shall be replaced or cleaned when inspection reveals that clogged voids are causing ponding problems.

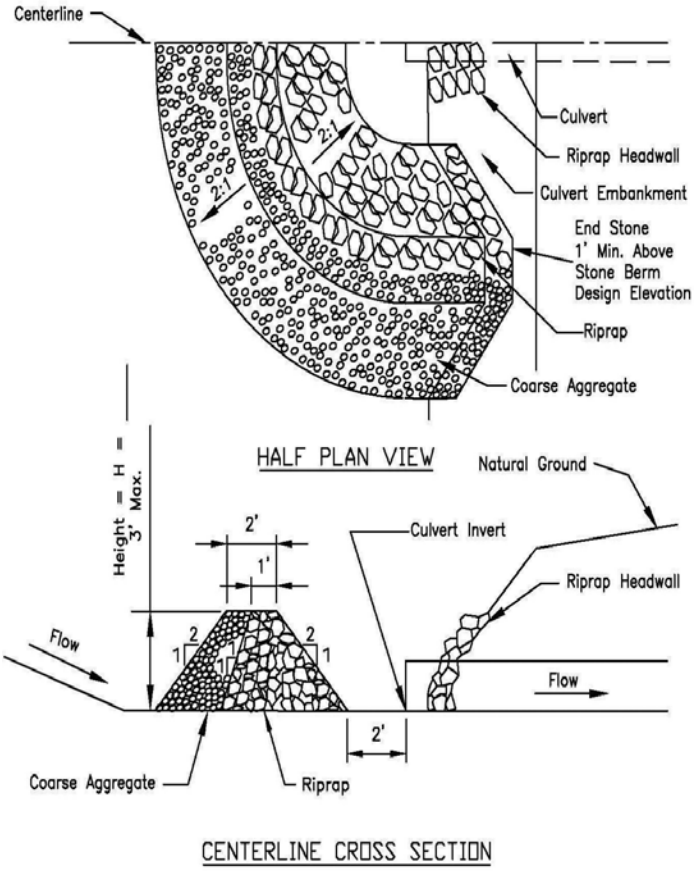
Sediment shall be removed and the impoundment restored to its original dimensions when sediment has accumulated to one-half the height of the fence or stone berm.

Removed sediment shall be deposited in a suitable area and

CRITERIA (continued)
in such a manner that it will not erode and cause sedimentation problems.

Temporary structures shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

STANDARD DRAWING 508ST: Culvert Inlet Protection Stone



NOTES

1. The maximum drainage area to the culvert being protected is 3 acres.
2. Tie the storm berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

DEWATERING
Code 813

SC

Credit: ERO-TEX

DEFINITION

The removal of water from construction sites.

PURPOSE

1. To facilitate construction in areas with surface water or a high water table.
2. To prevent erosion and sediment transport.
3. To provide worksite safety.
4. To prevent pollution of groundwater or surface water.
5. To preserve downgradient natural resources and property.

CONDITIONS WHERE PRACTICE APPLIES

To any construction site (includes any onsite and offsite excavated areas), where the presence of water creates unsafe conditions, potential damage, or restricts construction operations.

Construction sites where water is present in any form, including intermittent runoff, streams, standing water, ground water, or other bodies of water.

CRITERIA

Dewatering shall consist of the removal of surface water and/or ground water by diverting and/or removing water from construction sites, within a watershed, as needed to perform the required construction in accordance with the specifications.

All outlets for dewatering discharges shall be stable and protected from erosion.

CRITERIA (continued)

Diverting Surface Water- Cofferdams, channels, sumps, flumes, and temporary diversions shall be built and maintained, as needed.

Installation of cofferdams and sumps shall follow the requirements as outlined in practice standards COFFERDAM 803 and SUMP PIT 950.

Excess surface runoff shall be diverted from the construction area as outlined in the practice standards TEMPORARY DIVERSION 955, TEMPORARY SWALE 980, DIVERSION 815, AND DIVERSION DIKE 820.

A permanent stream or other concentrated flow shall be diverted away from the construction area as outlined in practice standard TEMPORARY STREAM DIVERSION 976.

Removing Water- Drains, sumps, pumps, casings, well points and all other items required to dewater the site shall be furnished, installed and maintained.

Well points and deep wells shall be placed in intervals along the construction area as necessary to depress the groundwater table during construction. Monitor wells shall be installed where measurement of the effectiveness of the pumping is required. Well point and deep well dewatering shall be terminated as soon as practical.

In poorly drained soil areas, or where well dewatering is not practical, pumping directly from the construction trenches shall be allowed.

Erosion and Sediment Control- All dewatering activities shall be done in a manner that does not negatively impact the water quality of the water table or cause erosion or transport sediment or other pollutants.

Sediment removal shall be provided using the following practices or combination of practices depending on the sediment, dewatering method, location and amount of dewatering.

Where sumps are used, they shall meet the requirements of

CRITERIA (continued)

SUMP PIT 950. In addition, where space is available, TEMPORARY SEDIMENT TRAP 960 shall be used to detain water and remove sediment from pumping and diversion operations. Where there is limited space, a PORTABLE SEDIMENT TANK 895 shall be used to retain sediment from dewatering operations. POLYACRYLAMIDE (PAM) FOR TURBIDITY REDUCTION AND SEDIMENT CONTROL 894 may also be used, as appropriate.

Where there is low, intermittent amounts of dewatering, pumps with filtration bags shall be used. Filtration bags shall be attached to pump discharges and surrounded with a secondary containment or on a stabilized, flat area. Filter bags shall not be placed, whole or partially, within aquatic areas (wetlands, streams, etc.)

The material for the filtration bag shall meet the requirements of material specification 592 GEOTEXTILE, Table 2, Class I with a minimum tensile strength of 200 lbs. The filtration bag shall be sized per manufacturer recommendations and based on the size of the pump. The largest size pump to be used with a filtration bag shall be 4-inch diameter.

Removal of Dewatering Facilities- The temporary dewatering areas shall be removed after they have served their purpose. The dewatering areas shall be graded and stabilized with appropriate erosion control practices. The dewatering sites after removal shall not create any obstruction of the flow of water or any other interference with the operation of or access to the permanent works.

OPERATION AND MAINTENANCE

The frequency of inspections shall depend on the dewatering method, amount of discharge, potential damage, and quality of the receiving bodies of water. The frequency of inspections and specific tasks shall be identified:

1. Inspections shall be conducted to ensure proper operation and compliance with any permits or water quality standards.

OPERATION AND MAINTENANCE (continued)

2. Accumulated sediment shall be removed from the flow area and temporary diversions shall be repaired, as required.
3. Outlet areas shall be checked and repairs shall be made in a timely manner, as needed.
4. Pump outlets shall be inspected for erosion, and sumps shall be inspected for accumulated sediment.
5. Dewatering bags shall be removed and replaced when half full of sediment or when the pump discharge has reduced to an impractical rate.
6. If the receiving area is showing any signs of cloudy water, erosion or sediment accumulation, discharges shall be stopped immediately once safety and property damage concerns have been addressed.
7. Sediment shall be disposed in accordance with all applicable laws and regulations.

DITCH CHECK (MANUFACTURED)

Code 814

SC

Credit: ERO-TEX

DEFINITION

A pre-fabricated temporary dam or flow thru device installed across a swale or road ditch to reduce the velocity of water.

PURPOSE

To reduce the velocity of concentrated storm water flows thereby reducing erosion of the swale or road ditch, trap sediment, promote settling of suspended solids behind the check, reduce scour and channel erosion, and promote infiltration when suitable soils are present.

CONDITIONS WHERE PRACTICE APPLIES

Where grading activity occurs in areas of concentrated flows, with slopes less than 8% and flow velocities less than 8 cfs, and a temporary measure is needed to control erosion of the channel until permanent stabilization practices can be implemented.

Manufactured ditch checks should be applied to ditches that cannot receive a permanent non-erodible lining.

CRITERIA

The minimum height of manufactured ditch checks shall be 10 inches for synthetic porous runoff control structures and permeable ditch checks and shall not exceed a maximum height of 15 inches for other manufactured products.

Manufactured ditch checks such as rolled erosion control products must be trenched in 3 inches and staked through the

CRITERIA (continued)

outer mesh material at a 45 degree angle in the direction of flow. Staking this product as directed will prevent the ditch check from riding up the stakes during high flows. If rolled erosion control products are spliced, a minimum overlap equal to the diameter of the product shall be used.

Urethane foam geotextile ditch checks must be pinned from the middle out toward the edge of the fabric. The upstream ends of the urethane foam apron must be keyed into the soil to prevent under cutting of the check.

Plastic permeable ditch checks and synthetic porous runoff control structure ditch checks must have either a biodegradable erosion control blanket or permanent erosion control blanket underneath them. The blanket must be toed into the soil and pinned to prevent undercutting of the check. Each of these ditch check types has a particular anchor pin system that must be followed to ensure stability of the panel from flows and proper connection of panel sections.

A manufactured ditch check shall be selected to manage flows from a 10 year storm event or selected to match the ditch lining design year flow.

All manufactured ditch checks must be installed to ensure the center of the structure is at least 6 inches lower than outside edges of check to allow water to flow over the middle of the ditch check and not around the edges. Each manufactured ditch check shall have a central section/portion forming a horizontal weir and inclined portions which extend from the weir up the embankment and the backslope. Some manufacturers have criteria for number of panels or sections up slope based upon side slope ratios.

The control structures must be placed perpendicular to the direction of water flow. There must be firm contact between the bottom of the check and soil or base material, such as an erosion control blanket.

The anchoring systems specified for each type of manufactured ditch check must be able to endure flow rates

CRITERIA (continued)

designed for the application including freeze thaw cycles.

Manufactured ditch checks must be spaced such that the top of the downstream check shall be at the same elevation as the bottom of the upstream check, or as specified in manufacturer's specifications.

Manufactured ditch checks, similar to other ditch check types, must be placed such that ponding water will not result in nuisance conditions to adjacent areas.

The manufacturer's specifications and recommendations shall be followed when selecting the appropriate manufactured ditch check.

OPERATION & MAINTENANCE

Sediment shall be removed from the upstream side of the ditch check when sediment has reached one-half the height of the ditch check. Inspect any fabric for tears or dislodging after sediment is removed and repair or replace immediately. Additional requirements may apply per manufacturer specifications or permit requirements.

Products shall be maintained in same condition as when installed. Rolled erosion control ditch checks must be replaced whenever tears, splits, unraveling or compressed straw or excelsior is apparent.

Any fabric used as a base or apron underneath the plastic permeable or synthetic porous runoff control structure ditch checks that is torn or dislodged must be replaced or repaired.

Remove debris (litter, corn stalks) when observed.

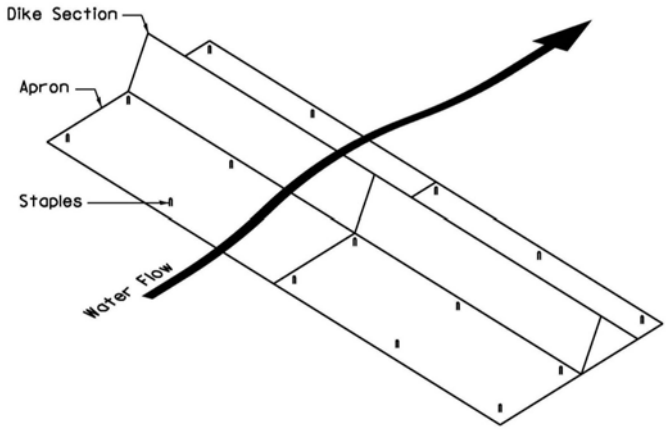
Water or sediment going around the ditch check indicates incorrect installation or that maintenance is required. The flow of water over the center of the ditch check or through the device must be reestablished. The manufactured ditch check may need lengthening up the side slope, sediment removed from the pores, or the flow velocities are too great for the type of ditch check.

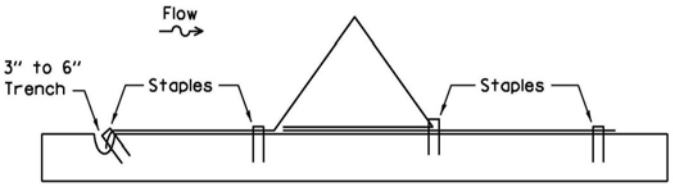
OPERATION & MAINTENANCE (continued)

Manufactured ditch checks are not designed to be part of the permanent storm water system. Their material components are not conducive to being incorporated into soils once they have reached their useful life.

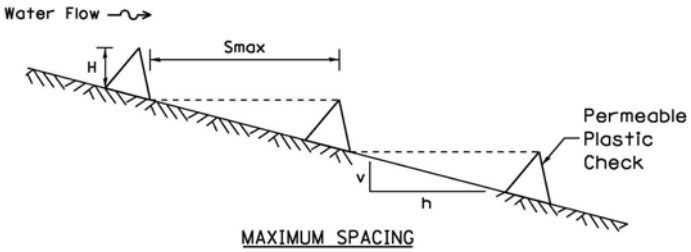
Remove manufactured ditch checks once all upslope areas are stabilized and swale or ditch stabilization is complete. The biodegradable form of plastic permeable ditch checks can be left in place on top of the permanent stabilization such as blankets to provide velocity reductions provided they are not a hazard to mowing operations. Vegetated ditch checks may remain in place within the ditch or swale if permanent vegetation is desired, such as in the case of establishing a vegetated swale.

STANDARD DRAWING 514UF: Urethane Foam Geotextiles

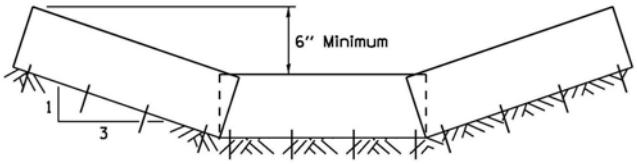




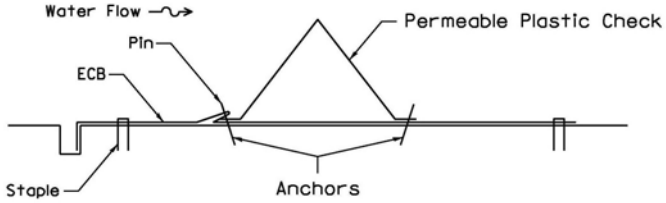
STANDARD DRAWING 514PC: Plastic Permeable Checks



MAXIMUM SPACING

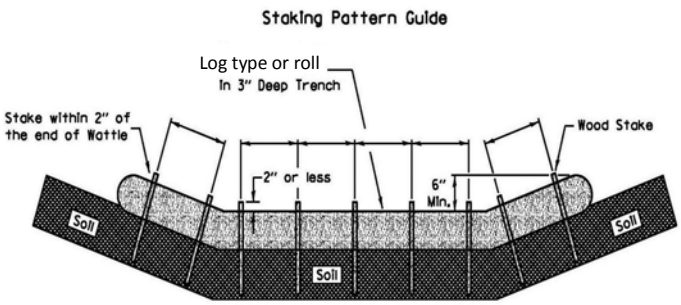


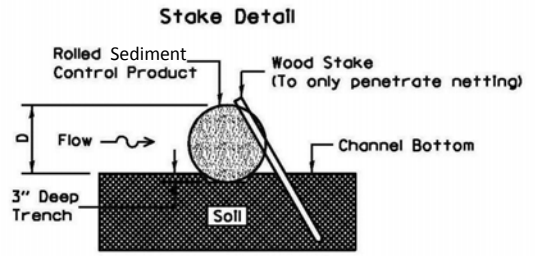
TYPICAL DITCH CROSS SECTION



PLASTIC PERMEABLE CHECK CROSS SECTION

STANDARD DRAWING 514RC: Rolled Sediment Control Products

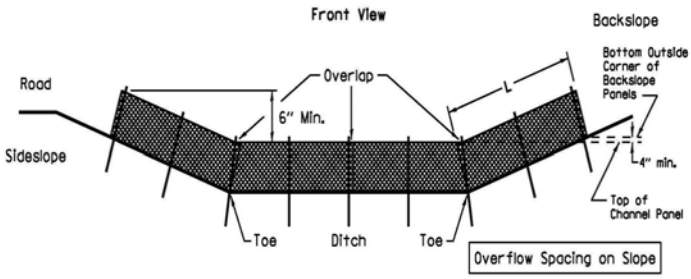


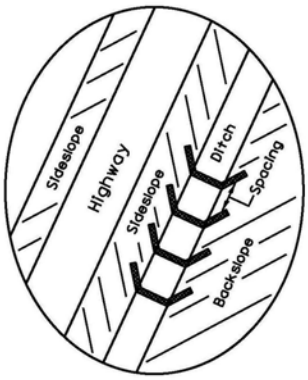


NOTES

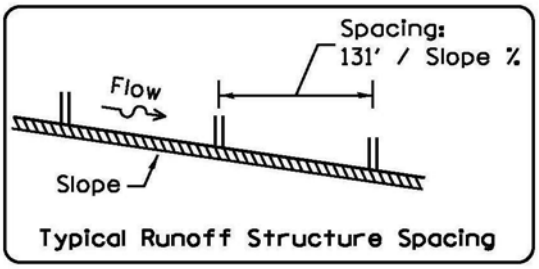
1. Overlap minimum is the diameter of the roll.
2. Stake spacing shall be a maximum of no more than 3' between stakes.
3. Ends shall be turned at least 6" upslope.
4. Recommended stakes are 1 1/8"wide x 1 1/8"thick x 24"long.
5. Stakes shall not extend above the log type or roll more than 2".
6. Spacing: The toe of the upstream ditch check shall create a horizontal line with the downstream ditch check.

STANDARD DRAWING 514SC: Synthetic Porous Runoff Control Structures





Minimum Installation Length up Slopes	
Slope	Panels
2:1	1
2.5:1	1.5
3:1	2
3.5:1	2
4:1	2
5:1	2.5
6:1	2.5



INLET PROTECTION-PAVED AREAS

Code 861

SC

Credit: ERO-TEX

DEFINITION

A temporary sediment control barrier formed around or in a storm drain inlet in paved areas.

PURPOSE

To help prevent sediment from entering storm drains during construction.

CONDITIONS WHERE PRACTICE APPLIES

Various inlet protection practices are used where storm drain inlets are to be made operational during construction operations and before permanent stabilization of the disturbed drainage area. The methods of inlet protection are effective for areas that are paved and areas under construction. Sheet flow or concentrated flows are permitted with these methods. These methods of inlet protection are not applicable for direct discharges from pumps unless the pump discharges are treated prior to discharging to the inlets.

CRITERIA

The primary sediment to be trapped shall be identified and the appropriate filter requirements specified per manufacturers' recommendations.

When flow rates are critical to the functioning of a site, the selection of the inlet protection device shall include the specified flow rate and the selection of the filter made in conjunction with the specifications for trapping sediment.

Inlet protection using geotextile fabric only (specifically, a piece of fabric cut and placed under the lid) shall not be allowed.

CRITERIA (continued)

Drop-in inlet protection devices shall include an overflow which prevents stormwater from flooding paved areas.

OPERATION & MAINTENANCE

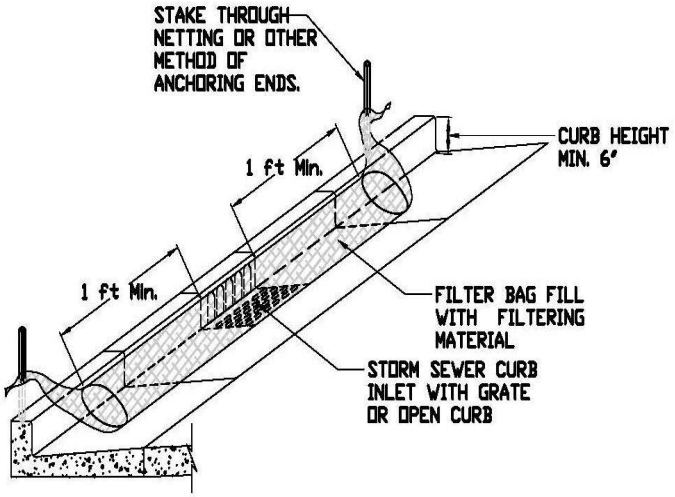
Each inlet protection practice or device shall be inspected after every runoff event. Accumulated sediment shall be removed per manufacturer's directions but not less than when the capacity for sediment storage has been reduced by half. Sediment that has been removed shall be placed such that it will not reenter the storm drain system.

Repairs or replacement of inlet protection devices shall be made immediately.

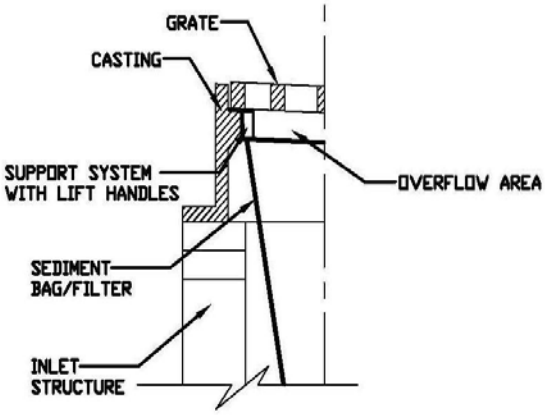
For devices to be kept in place in the winter season, areas shall be cleared of any sediment accumulation and prepared or protected for snow removal operations.

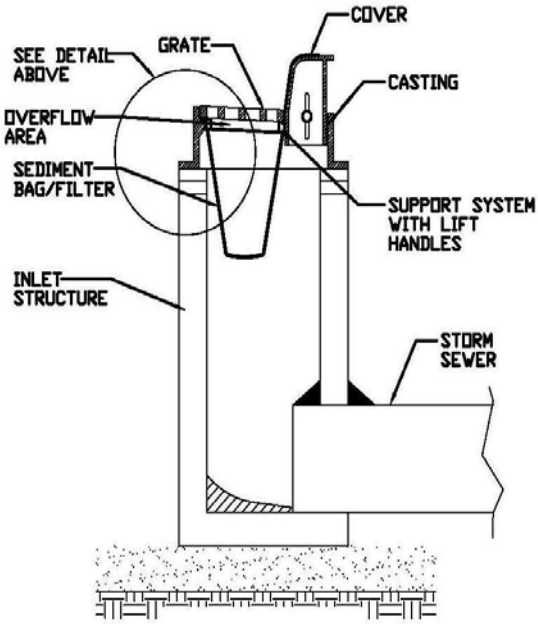
Inlet protection practices shall be removed upon job completion.

STANDARD DRAWING 561C: Inlet Protection Paved Areas Curb Protection



STANDARD DRAWING 561D: Inlet Protection Paved Areas Drop-In Protection





POLYACRYLAMIDE (PAM) FOR TUBIDITY REDUCTION AND SEDIMENT CONTROL

SC

Code 894

Credit: Jonathon Koepke, CPESC

DEFINITION

The application of a granular and/or semi-hydrated block of water soluble Anionic or Nonionic Polyacrylamide (PAM) to flocculate fine clays and silts in stormwater and enhance sediment removal.

PURPOSE

To prevent sediment and turbid stormwater from entering into drainageways, storm sewers and receiving waters.

CONDITIONS WHERE PRACTICE APPLIES

Where turbid stormwater associated with the suspension of fine soil particles needs to be clarified and sediment captured prior to discharge. Examples of applicable activities may include the following:

- dewatering
- pipe discharges
- channelized or concentrated flow paths
- storm sewer conveyance and collection systems
- temporary diversions
- bypass channels

CRITERIA

Only anionic or nonionic PAM shall be used for stormwater treatment. No cationic PAM formulations shall be used for stormwater treatment due to high toxicity to aquatic life.

Polyacrylamide shall not be used in an effort to flocculate large sediment particulates such as sands and any PAM

CRITERIA (continued)

treatment system used shall be designed to protect the PAM from heavy sediment loads and larger sized sediment particulates.

When handling and mixing PAM, Manufacturers' recommendations and criteria shall be followed.

Polyacrylamides for stormwater clarification are soil specific. PAM shall be tested with on-site soil and water samples to determine which formulation performs most effectively.

Polyacrylamide must mix completely within the water column for sufficient flocculation of sediment to occur. Mixing time of the polymer shall be calculated to determine where flocculated sediment will form (usually occurs within one to three minutes of mixing time).

All flocculated sediment formed during the mixing process shall be trapped before the water is discharged from the site (See IUM technical standards for TEMPORARY SEDIMENT TRAP 960 and TEMPORARY SEDIMENT BASIN 957). Capture and removal of sediment shall take place within the limits of disturbance and prior to discharge of stormwater off-site. This may include the combined usage of other sediment control best management practices in order to effectively remove sediment from stormwater discharge.

Polyacrylamides used for sediment control and turbidity reduction shall have a charge density of 8-35% by weight and have a molecular weight of 6 to 24 mg/mole.

The acrylamide used in the PAM shall have active monomer limits of ≤0.05% by weight.

OPERATION & MAINTENANCE

PAM treatment system shall be inspected daily or weekly depending on the design of the system used and after rainfall events. Inspections shall be conducted to ensure the effectiveness of the treatment system and to assess the need for maintenance and clean out of the sediment capturing device(s). Monitor runoff, the treatment system, and the

OPERATION & MAINTENANCE (continued)

clarity of stormwater discharge to ensure effectiveness and direct maintenance as necessary.

Polyacrylamide shall be reapplied or additional PAM formulations shall be added as necessary to achieve proper flocculation of sediments.

Adjust PAM formulations and products as needed if soil variability is encountered during treatment.

Replace semi-hydrated PAM blocks as necessary to achieve effective flocculation of sediments.

Keep all unapplied PAM dry and protected from weather prior to use.

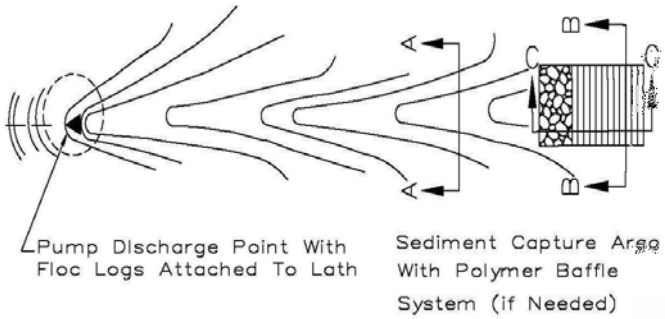
Maintain sediment screens, filters, traps, and other sediment containment devices used with these systems as necessary.

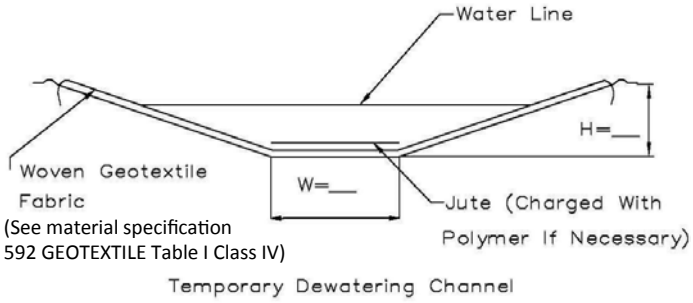
Sediment shall be removed from the capturing system and the impoundment restored to its original dimensions when sediment has accumulated to one-half the height of the containment area.

Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode and cause sedimentation problems.

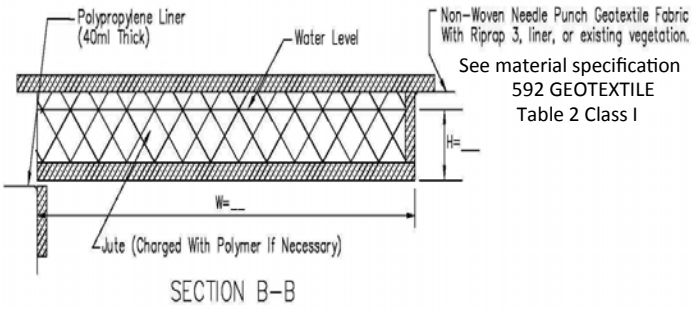
Temporary PAM treatment systems shall be removed when they have served their useful purpose, but not before the upslope area and source of sediment or turbidity has been permanently stabilized.

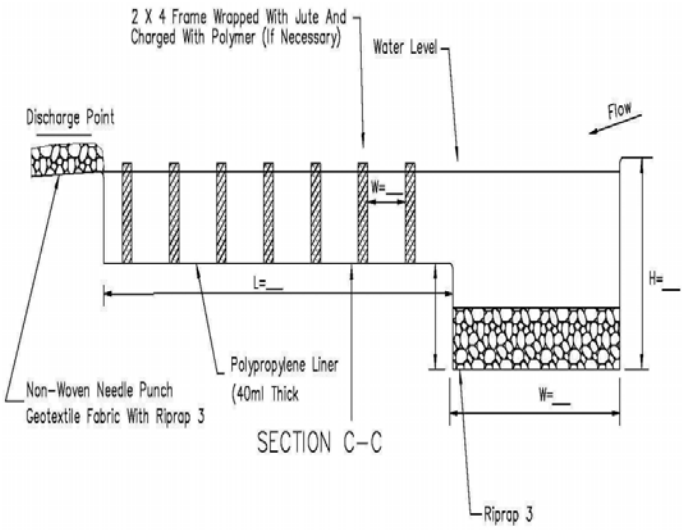
STANDARD DRAWING 594A: Temporary Mixing Swale with Optional Baffle Pit





STANDARD DRAWING 594B: Temporary Mixing Swale with Optional Baffle Pit





ROCK CHECK DAM
Code 905

SC

Credit: McHenry-Lake SWCD

DEFINITION

A small rock dam construction across a grassed swale, road ditch or temporary swale.

PURPOSE

To reduce the velocity of concentrated stormwater flows, thereby reducing erosion of the swale or ditch, trap sediment generated from adjacent areas or the ditch itself and to increase infiltration when suitable soils are present.

CONDITIONS WHERE PRACTICE APPLIES

This practice, utilizing a combination of rock sizes, is limited to use in small grassed swales or open channels that drain 10 acres or less. It shall not be used in a perennial stream where protection of the flowing stream is the objective.

Some specific applications include:

1. Temporary ditches or swales that, because of their short time of service, cannot receive a non-erodible lining but still need protection to reduce erosion.
2. Permanent ditches or swales that cannot receive a permanent non-erodible lining for an extended period of time.
3. Either temporary or permanent ditches or swales that need protection during the establishment of grass linings.
4. An aid in the sediment trapping strategy for an active construction site. This practices is not a substitute for major perimeter trapping measures.

CRITERIA

The drainage area of a ditch or swale being protected shall not exceed 2 acres when rock meeting IDOT CA-1, CA-2, CA-3

CRITERIA (continued)

or CA-4 gradation is used alone and shall not exceed 10 acres when rock meeting IDOT RR-3 or RR-4 gradation and Quality Designation A is added on the downstream side of the dam.

The maximum height of the rock check dam shall be 3.0 feet. The top of the rock check dam shall be a minimum of 1.0 feet below the top of the ditch or swale.

The maximum spacing between the dams should be such that the toe of the upstream dam is at the same elevation as the top of the rock at the center of the downstream dam.

The rock check dams shall be placed such that the resultant ponding will not cause inconvenience or damage to adjacent areas or structures.

Filter fabric shall be used under the aggregate. The filter fabric shall meet the requirements of materials specification 592 GEOTEXTILE Table 2 Class I.

The center of the rock check dam shall be at least 6 inches lower than the sides. Hand or mechanical placement will be necessary to achieve complete coverage of the ditch or swale and to assure that the center of the dam is lower than the sides. Rock shall be placed in according to construction specification 25 ROCKFILL using Method 1 placement and Class III compaction.

OPERATION & MAINTENANCE

If any erosion has taken place around or below the rock check dam or if rocks have been dislodged, repairs shall be made to prevent further damage. Sediment shall be removed once it has accumulated to one-half the height of the rock check dam. The center of the rock check dam shall also be inspected to insure that the center of the dam is lower than the sides.

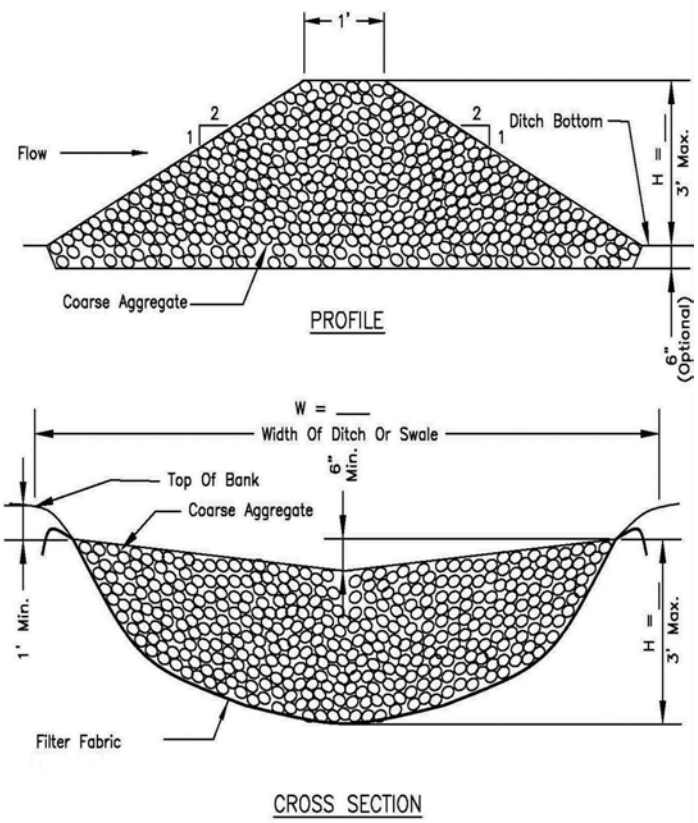
Unless incorporated into a permanent stormwater management control, rock check dams must be removed when their useful life has been completed. In temporary ditches and swales, rock check dams should be removed and the ditch filled in when they are no longer needed. In permanent structures, rock check dams should be removed when a permanent lining can be installed. In the case of grass-

OPERATION & MAINTENANCE (continued)

lined ditches, rock check dams should be removed when the grass has matured sufficiently to protect the ditch or swale. The area beneath the rock check dams should be stabilized immediately after they are removed.

For rock check dams that are made a part of a permanent stormwater management control, maintenance should continue. If sediment trapping is to be a continuing function of the rock check dam, the sediment shall be removed when it has accumulated to one-half the depth of the rock check dam.

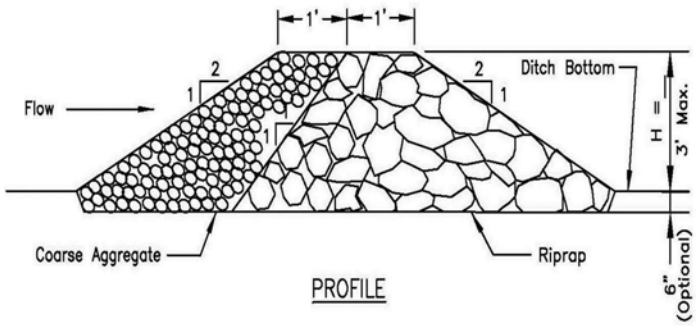
STANDARD DRAWING 605CA: Rock Check Dam Coarse Aggregate



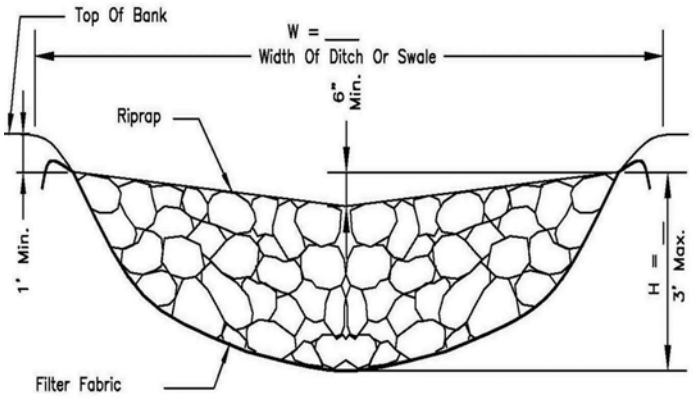
NOTES

1. Drainage area to each dam shall be less than 2 acres.
2. For added stability, the base of the dam may be keyed 6 inches into the soil.

STANDARD DRAWING 605R: Rock Check Dam Riprap



PROFILE



CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

NOTES

1. Maximum drainage area to each dam is 10 acres.
2. For added stability, the base of the dam may be keyed 6 inches into the soil.

SILT FENCE
Code 920

SC

Credit: ERO-TEX

DEFINITION

A temporary barrier of entrenched geotextile fabric stretched across and attached to supporting posts used to intercept sediment laden runoff from small drainage areas of disturbed soil.

PURPOSE

To cause deposition of transported sediment load from sheet flows leaving disturbed areas.

CONDITIONS WHERE PRACTICE APPLIES

1. Where runoff occurs causing sheet erosion.
2. Downslope areas for perimeter protection from sheet flow.
3. Where adjacent areas are to be protected from silt laden runoff.
4. Where effectiveness is required for one construction season or 6 months, whichever is less.

CRITERIA

The maximum drainage area for overland flow to a silt fence shall not exceed 1/2 acre per 100 feet of fence.

Silt Fence should not be placed in areas of concentrated flows, such as streams or ditches.

When one row of fence is used, or it is the last in a series, the area below the fence must be undisturbed or stabilized.

Silt fence fabric shall be selected using material specification

CRITERIA (continued)

592 GEOTEXTILE Table 1 Classes I-IV; the user of the manual shall select the geotextile fabric that best suits the design and site conditions.

The maximum allowable slope distances contributing runoff to a silt fence are listed in the following table:

Slope (%)	Maximum Spacing along Slope (ft.)
25	50
20	75
15	125
10	175
Flatter than 10	200

Fence posts shall be a minimum of 48 inches long. Wood posts shall be of sound quality wood with a nominal cross sectional area of 1.5 x 1.5 inches. Steel posts shall be standard T and U sections weighing not less than 1.33 pounds per linear foot or other steel posts having equivalent strength and bending resistance. The maximum spacing shall be 5 feet. When wire or other forms of approved backing are used, the maximum spacing may be increased to 10 feet. The posts shall be driven a minimum of 18 inches into the ground or as approved by the engineer. Spacing may need to be adjusted so the posts are located in low areas where water may pond. Additional posts may be required at low areas.

Wire fence shall be a minimum 14-gauge wire with a maximum 6-inch mesh opening. The geotextile fabric shall be furnished in a continuous roll cut to the length of the wire fence needed to avoid splices.

When splices are necessary, the fabric shall be spliced at a support post and posts twisted together per drawing IUM-620BW so silt-laden water cannot escape around or beneath the fence.

The height of a silt fence shall be a minimum of 24 inches above the original ground surface. The silt fence shall be

CRITERIA (continued)

entrenched to a minimum depth of 6 inches, with an additional 6 inches extending along the bottom of the trench in the upslope direction. The 6 inch extension of fabric along the bottom may need to be cut where two fences are spliced per the above mentioned method.

The posts shall be installed, trench backfilled, and the soil compacted over the fabric to 95%. The wire mesh does not get buried and compacted in the anchor trench; it stops at ground level.

The silt fence may also be entrenched by static slicing. Static slicing consists of the insertion of a narrow custom-shaped blade approximately 8 inches into the ground, while simultaneously pulling the silt fence fabric into the opening created as the blade is pulled through the ground. The blade imparts no vibration or oscillatory motion. The tip of the blade is designed to slightly disrupt the soil upward, preventing horizontal compaction of the soil and creating optimum soil conditions for mechanical compaction. Compact (2 passes typically) using a tire on the tractor. Post-setting and driving, followed with tying or stapling the fabric to the post, finalizes the installation.

The filter fabric and wire support, if used, must be securely fastened to the upslope side of the posts using heavy duty wire staples at least one inch long or in accordance with manufacturer's recommendations. The fabric shall be attached to the wire support to prevent sagging of the fabric.

If the silt fence must cross contours, with the exception of the ends of the fence, gravel check dams placed perpendicular to the back of the fence shall be used to minimize concentrated flow and erosion along the back of the fence. The gravel check dams shall be approximately 1 foot high at the back of the fence and be continued perpendicular to the fence at the same elevation until the top of the check dam intercepts the ground surface behind the fence. The gravel check dams shall consist of appropriately sized and specified rock for the fence line grade and contributing drainage area. The gravel check dams shall be located every 10 feet along the fence where the

CRITERIA (continued)

fence must cross contours. J-hooks shall be used at the ends of runs longer than 200 feet and at intervals as deemed necessary by the designer and according to site conditions.

Silt fence shall be used prior to the establishment of erosion controls and installed prior to the clearing of existing vegetation and grading work. When deemed necessary additional rows of silt fence shall be spaced according to site conditions and in keeping with maximum acreage requirements discussed in the table above.

OPERATION & MAINTENANCE

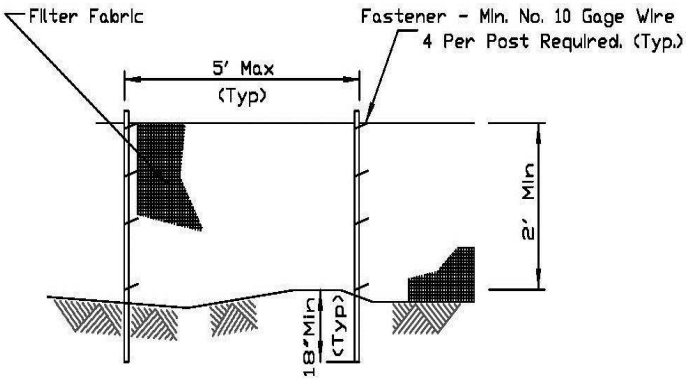
Silt fence shall be removed once upslope areas have been permanently stabilized.

Silt fence shall be inspected no less frequently than every week during construction. Should the fabric decompose or become ineffective prior to the end of the expected usable life and the fence still is necessary, the fabric or the entire system shall be replaced promptly.

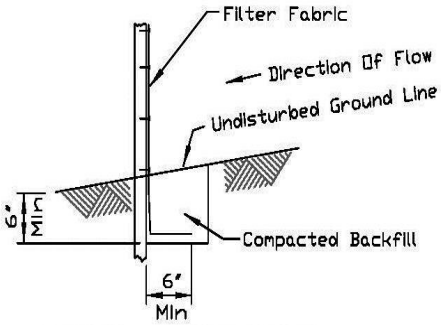
Sediment deposits must be removed when the level of deposition reaches approximately one-half the height of the silt fence.

Any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform to the existing grade, a seedbed prepared and the site vegetated.

STANDARD DRAWING 620A: Silt Fence Plan



ELEVATION

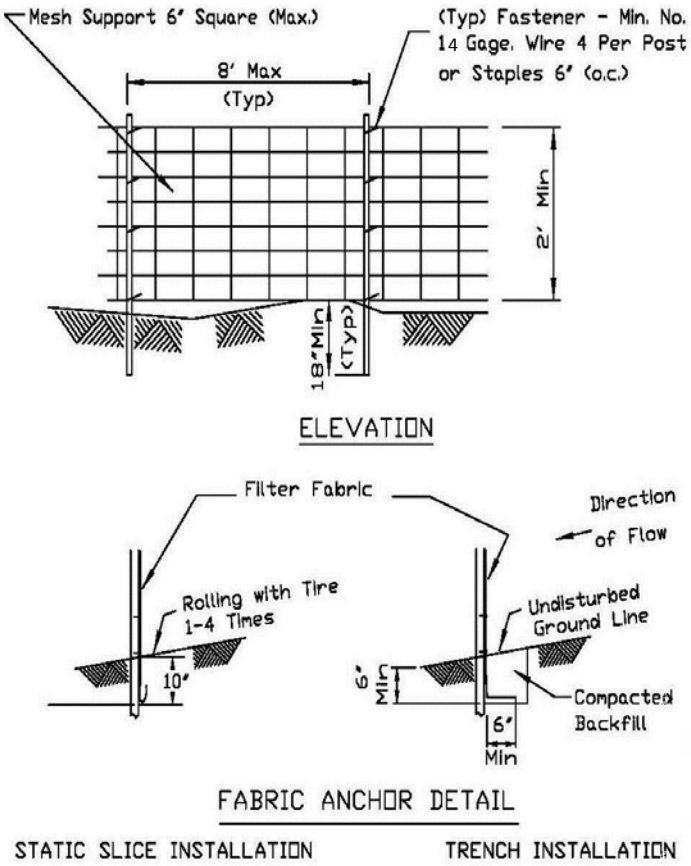


FABRIC ANCHOR DETAIL

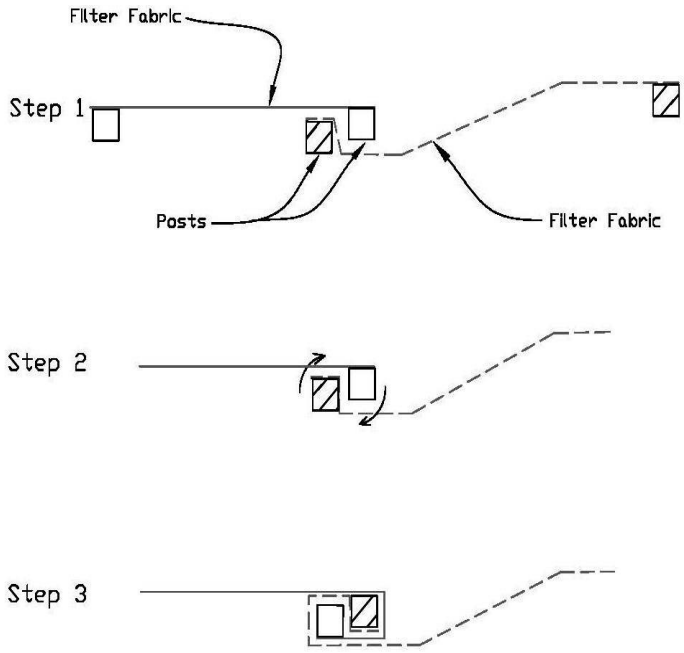
NOTES

1. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Classes I-IV; the user of the manual shall select the geotextile fabric that best suits the design and site conditions.
2. Fence posts shall be either standard steel post of wood post with a minimum cross-sectional area of 3.0 square inches.

STANDARD DRAWING 620A(W): Silt Fence with Wire Support Plan



STANDARD DRAWING 620B(W): SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

NOTES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6” flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

SUMP PIT
Code 950

SC

Credit: Christopher B. Burke Engineering, Ltd.

DEFINITION

A temporary pit which is constructed to trap and filter water for pumping into a suitable discharge area.

PURPOSE

To remove excessive water from excavations in a manner that improves the quality of the water being pumped.

CONDITIONS WHERE PRACTICE APPLIES

Sump pits are constructed when water collects during the excavation phase of construction. This practice is particularly useful in urban areas during excavation for building foundations.

CRITERIA

A perforated vertical standpipe is placed in the center of the pit to collect filtered water. The standpipe will be a perforated 12 to 24-inch diameter corrugated metal or PVC pipe. Water is then pumped from the center of the pipe to a suitable discharge area. The pit will be filled with coarse aggregate meeting the requirements of IDOT standards for gradations of CA-2, CA-3 or CA-4.

CONSIDERATIONS

Discharge of water pumped from the standpipe should be to a suitable practice such as practice standard PORTABLE SEDIMENT TANK 895, TEMPORARY SEDIMENT TRAP 960, TEMPORARY SEDIMENT BASIN 957, DEWATERING 813, POLYACRYLAMIDE (PAM) FOR TEMPORARY SOIL STABILIZATION 893 or a stabilized area.

CONSIDERATIONS (continued)

If water from the sump pit will be pumped directly to a storm drainage system, filter fabric will be wrapped around the standpipe to ensure clean water discharge.

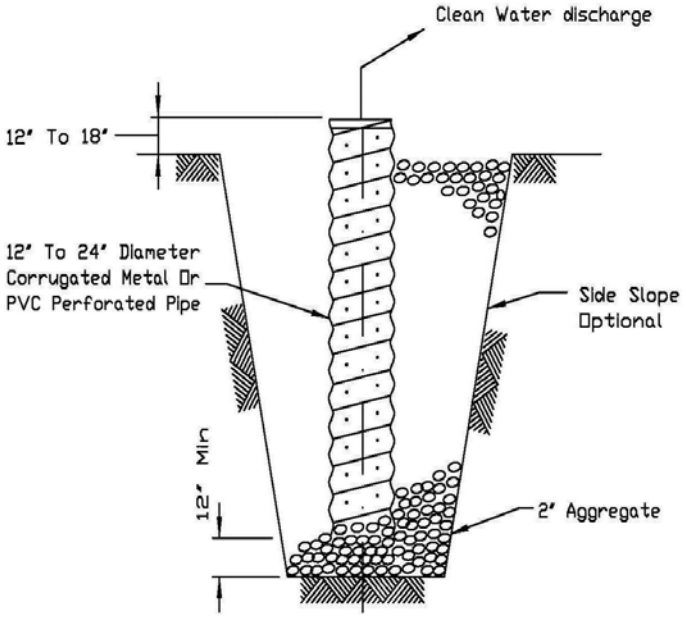
The fabric, if used, shall meet the requirements as shown in material specification 592 GEOTEXTILE Table I, Class IV.

It is recommended that 1/4 to 1/2 inch hardware cloth wire be wrapped around and secured to the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the standpipe.

OPERATION & MAINTENANCE

The sump pit may have to be replaced if the pit and filter fabric plugs with sediment.

STANDARD DRAWING 650: Sump Pit Plan



SECTION

NOTES

1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12”-24” diameter corrugated metal or PVC pipe.
3. A base of 2” aggregate will be placed in the pit to a minimum depth of 12”. After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2” aggregate.
4. The standpipe will extend 12”-18” above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4”-1/2” hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

MISCELLANEOUS PRACTICES

MSC

TEMPORARY CONCRETE WASHOUT FACILITY

Code 954 MSC

Credit: IUM Technical Review Committee

DEFINITION

A device used to manage liquid and solid wastes from concrete usage on construction sites.

PURPOSE

To control concrete wastes to prevent both on-site and off-site pollution.

CONDITIONS WHERE PRACTICE APPLIES

On any construction site where concrete is used.

CRITERIA

The following steps shall be taken to effectively control concrete wastes.

1. Perform washout of concrete mixer trucks in designated areas only.
2. Each facility shall have appropriate signage to inform concrete equipment operators of the proper washout locations.
3. Each facility shall be located in an area protected from possible damage from construction traffic and have a stabilized access to prevent tracking onto streets.
4. Washout facilities shall be located on level ground and a minimum of 50 ft. from storm drain inlets and all open drainage facilities. For smaller sites where the distance criteria may not be practical, washout facilities shall be

CRITERIA (continued)

located as far from drainage facilities as possible and additional inspections shall be conducted to ensure no illicit discharges have occurred.

5. Temporary concrete washout facilities shall be supplied in sufficient quantity and size to manage all liquid and solid wastes generated by washout operations.
6. Washout water from low volume facilities shall be allowed to evaporate and not be discharged into the environment.
7. Washout water from high volume facilities shall be removed with a vacuum truck and taken back to the batch plant. Washout water shall not be discharged into the environment.
8. Solidified concrete waste from washout facilities shall be considered Clean Construction or Demolition Debris (CCDD) as per the Illinois Environmental Protection Act (415 ILCS 5) and disposed of in accordance to the Act.
9. Each facility shall be inspected daily to ensure the container is not leaking or nearing two-thirds capacity of either solids, liquids or a combination of both.

Prefabricated Concrete Washout Facilities

1. Prefabricated facilities can be any water tight unit designed to contain concrete slurry and solids.
2. Prefabricated facilities shall be of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.

Temporary Concrete Washout Facilities “Above Grade”

1. Above grade washout facilities shall be constructed with a minimum length and minimum width of 3m (10ft) but of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.
2. The walls of the above grade facilities may be constructed of straw bales, barrier walls or earthen berms. If straw bales are used, they shall be entrenched 3” into the earth, butted tightly end to end and staked in place using 2”x2”x4’ wooden stakes. If barrier walls are used, they shall be butted tightly end to end.
3. The facility shall be lined with a 30-mil polyethylene liner and secured using sand bags, 6” wire staples, or other

CRITERIA (continued)

anchors. The plastic lining material shall be free of holes and tears and must be impermeable.

Temporary Concrete Washout Facilities "Below Grade"

1. Below grade washout facilities shall be constructed with a minimum length and minimum width of 3m (10ft) but of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.
2. The soil base shall be prepared free of rocks or debris that may cause tears or holes in the plastic lining material.
3. The facility shall be lined with a 30-mil polyethylene liner and secured using sand bags, 6" wire staples or other anchors. The plastic lining material shall be free of holes and tears and must be impermeable.

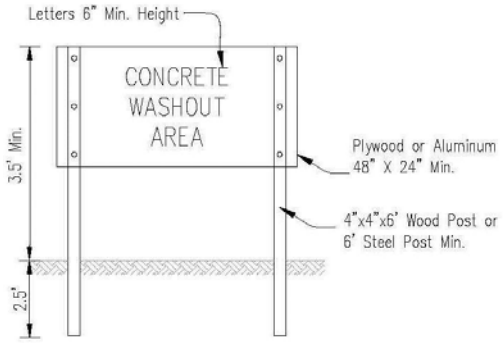
Removal of Temporary Washout Facilities

1. When temporary concrete washout facilities are no longer required for the work, the facilities shall be removed from the site of the work.
2. Holes, depressions or other ground disturbances caused by removal of the temporary concrete washout facilities shall be restored to the satisfaction of the engineer.

OPERATION & MAINTENANCE

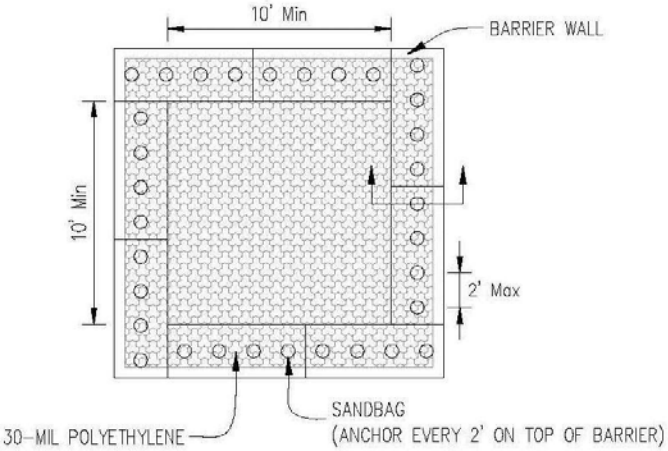
1. Temporary concrete washout facilities shall be maintained to provide adequate holding capacity with a minimum freeboard of 100mm (4 in) for above grade facilities and 300mm (12 in) for below grade facilities. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete or slurry and returning the facilities to a functional condition.
2. Existing facilities must be cleaned, or new facilities must be constructed and ready for use once the washout is two-thirds full.
3. Temporary concrete washout facilities shall be inspected for damage (e.g. ears in plastic liner, missing sand bags, etc.). Damaged facilities shall be repaired promptly.

STANDARD DRAWING 654: Temporary Concrete Washout Sign

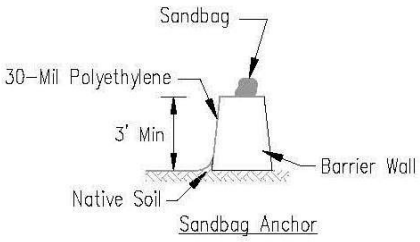


SIGN DETAIL

STANDARD DRAWING 654BW: Temporary Concrete Washout Facility Barrier Wall

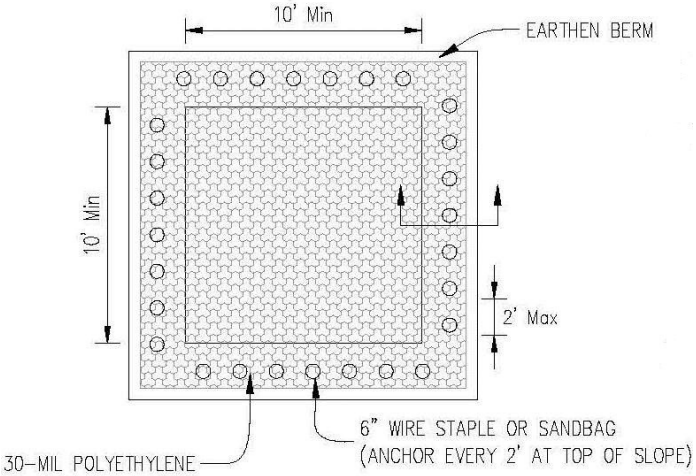


PLAN VIEW

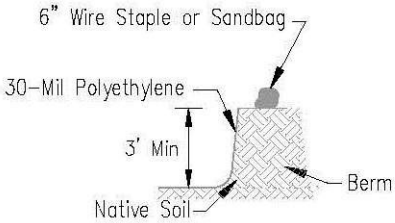


BARRIER WALL ANCHOR SECTION

STANDARD DRAWING 654ET: Temporary Concrete Washout Facility Earthen Type

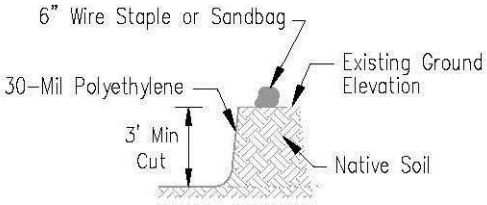


PLAN VIEW



Sandbag Anchor

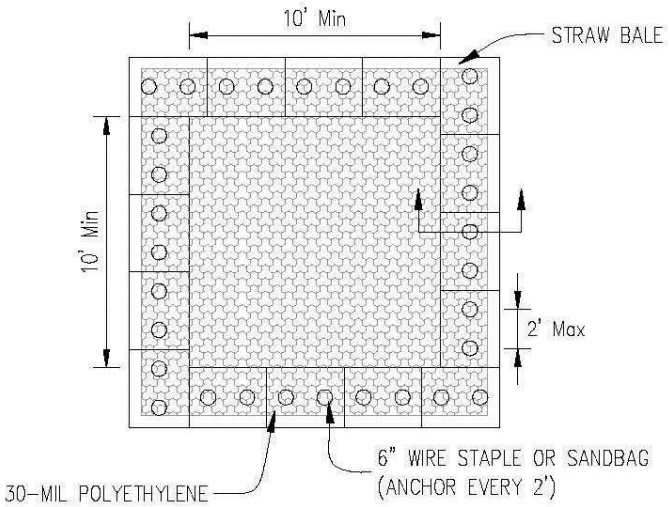
EARTHEN BERM ANCHOR SECTIONS



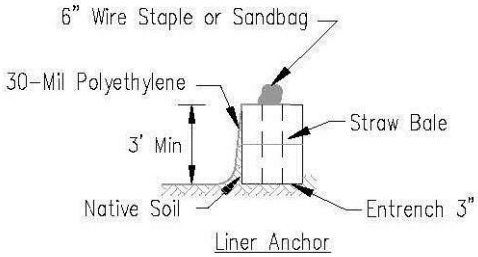
Sandbag Anchor

SUBGRADE ANCHOR SECTIONS

STANDARD DRAWING 654ET: Temporary Concrete Washout Facility Straw Bale



PLAN VIEW



STRAW BALE ANCHOR SECTIONS

NOTES

1. Each straw bale is to be staked in place using (2) 2"x 2"x 4' wooden stakes.

OTHER CONSIDERATIONS

The following construction site best management practices can be utilized onsite during construction to address additional resource concerns.

- **Stockpile Stabilization/Management**

During construction of the project, soil stockpiles should be stabilized or protected with sediment trapping measures such as practice standards SILT FENCE 920 or TEMPORARY SEEDING 965. Perimeter controls should be placed around the stockpile immediately; seeding of stockpiles should be completed within 7 days of formation if it is to remain dormant for longer than 30 days.

Locate stockpiles a minimum of 50' away from concentrated flows of stormwater, drainage courses, and inlets.

Stockpiles should not be constructed on impervious surfaces or located under trees.

For active stockpiles, perimeter controls such as silt fences should be maintained at all times, and adjusted as needed to accommodate the delivery and removal of materials from the stockpile. Perimeter control should be in place during down times such as evenings and weekends.

- **Portable Sediment Tank**

A portable sediment tank is a compartmented container through which sediment-laden water is pumped to trap and retain the sediment prior to pumping the water to drainageways, adjoining properties, and rights-of-way below the sediment tank site.

To be used on sites where excavations are too deep and space is limited, or where an excavation extends below the seasonal high water table causing a sump pump to be used.

The portable sediment tank should be constructed with at least three equal baffled compartments. The inlet and outlet pipe should be a minimum diameter of 3 inches. The minimum storage volume of the tank should be in cubic feet, calculated by multiplying 32 times the pump discharge in gallons per minutes (gpm).

The sediment tank should be located for ease of clean out and disposal of the trapped sediment.

- **Portable Sediment Tank (continued)**

The tank should be cleaned out when one-third of the storage volume is filled with sediment. All sediment collected in the tank should be disposed of in an approved sediment trapping device or on the construction site as approved by the engineer or inspector.

- **Tree Protection and Tree & Forest Ecosystem Preservation**

To protect individual and contiguous stands of trees from damage during construction operations.

The Critical Root Zone (CRZ) is, at a minimum, one foot outside the perimeter of the leaf canopy of the tree to be protected. This area should be protected from damage during construction operations. All required protection measures should be installed prior to the commencement of any site development activity and should remain in place and in working, functional order until all site development activities have ceased or the surrounding area has been stabilized.

Construction fencing, wooden snow fence, or approved equivalent with a minimum height of 40 inches should be installed around the CRZ of all trees to be protected, prior to pruning. The fencing should be secured to ground-mounted metal or wood posts.

No construction activities, including the placement of topsoil, should be permitted within the CRZ. Locate roadways, storage areas, parking pads, etc. at least 25 ft. from the CRZ of an individual tree.

For roots impacted outside the CRZ, the roots should be properly pruned according to the Society of American Foresters, National Arborist Association and International Society of Arboriculture standard of using the appropriate pruning tool to make a clean cut.

In situations where it is not feasible to avoid impact in the CRZ such as when utilities or other development features necessitate underground movement of the soil, follow criteria in practice standard TREE PROTECTION—AUGERING 991.

ACKNOWLEDGEMENTS

A Special Thanks to those who created, compiled and edited the field manual including:

- Illinois Environmental Protection Agency
- Members of the Field Manual Task Order Group:
  - Megan Andrews, Field Manual Production Coordinator, Kendall County SWCD;
  - Kelly Thompson, Illinois Urban Manual Initiative Coordinator, AISWCD;
  - Rick McAndless, North Cook SWCD; Ed Weskerna, McHenry-Lake SWCD; Candice Jacobs, Kane-DuPage SWCD; Dennis Anthony, Winnebago County SWCD; and Stacy Helm, Jefferson County SWCD.
- Technical Reviewers:
  Dan Salinger, ERO-TEX
  Rich Nowack, Quigg Engineering

Thank you to the Illinois Department of Transportation (IDOT) for helping to shape the layout of the field manual.

Additionally, thank you to the following sources for their valuable information:

- Illinois Field Manual for Implementation and Inspection of Erosion and Sediment Control Plans: Urban Committee of the Association of Illinois Soil & Water Conservation Districts (AISWCD)
- Urban Soil Erosion and Sediment Control: USDA Natural Resources Conservation Service (NRCS) and AISWCD
- Conservation Strategies for Growing Communities: USDA-Iowa NRCS
- North Carolina Erosion & Sediment Control Planning & Design Manual; North Carolina Erosion and Sediment Control Field Manual; & North Carolina Erosion & Sediment Control Inspector's Guide: North Carolina Department of Environment and Natural Resources
- Field Manual for Erosion & Sediment Control in Georgia: Georgia Soil & Water Conservation Commission

This field manual has been approved by the Illinois Urban Manual Technical Review Committee and Steering Committee as well as the Illinois Environmental Protection Agency.

Mention of trade names or commercial products, if any, does not constitute endorsement.

Appendix F

Treatment Area Procedure Flow Chart

Treatment Areas [# and #]

1. Locate boundaries of Treatment Areas [# and #]

2. Strip cover of Areas [# and #] to depth of [Insert Predetermined Depth]

3. Stage clean soil cover from Areas [# and #] on adjacent [Area #(s)]

4. Excavate soil from [Area # and #] to [Predetermined Depth] and place in piles within treatment area

5. Is waste still visible?

YES → Continue excavation until native clay. Repeat Step 5.

NO ↓ Continue to Step 6.

6. Mix in [Predetermined Amount] of Free Flow Reagent and place in piles for TCLP, RCRA sampling to occur

7. Did sample show results below TCLP hazardous levels?

NO → Mix an additional [Predetermined Volume] of Free Flow reagent and re-sample

YES ↓ Continue to Step 8.

8. Load piles of treated soil (that has passed sampling) onto trucks for disposal at Subtitle D Landfill

9. TCLP, RCRA sampling of excavation bottoms and sidewalls (if applicable)

10. Samples below TCLP hazardous levels?

NO → Take additional [Predetermined amount] of soil and mix with [Predetermined volume] of Free Flow reagent. Repeat Step 9.

YES ↓

11. Replace clean soil cover back into excavation

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

RCRA INTERIM STATUS CLOSURE AND POST-CLOSURE CARE PLANS GENERAL FORM

LPC-PA18

This Form Must Accompany Any Rcra Interim-status Closure And/or Post-closure Care Plans Or Modification Request Submitted To The Division Of Land Pollution Control. The Original And Two Copies Of All Documents Submitted Must Be Provided.

FACILITY IDENTIFICATION (Information about the facility where the units are located which are addressed in this closure plan submittal)

Name: City of North Chicago (fka Lavin & Sons)

Street Address: 2028 Sheridan Road

City: North Chicago

County: Lake

Site # (IEPA): ILD0971250007

Site No. (USEPA): ILN000508448

Owner Information

Name: City of North Chicago

Mailing Address:
1850 Lewis Avenue
North Chicago, IL 60004

Contact Name: Mayor Leon Rockingham, Jr.

Contact Title: Mayor of North Chicago

Phone #: 847-596-8610

Operator Information

Name: City of North Chicago

Mailing Address:
1850 Lewis Avenue
North Chicago, IL 60004

Contact Name: Mayor Leon Rockingham, Jr.

Contact Title: Mayor or North Chicago

Phone #: 847-596-8610

TYPE OF SUBMISSION (check applicable item and provide requested information, as applicable)

- ☐ Original (New) Closure Plan
- ☐ Original (New) Post-Closure Plan
- ☐ Response to Disapproval letter

  Log No. of Most Recent Agency Approval/Disapproval Letter _____

  Date of Most Recent Agency Approval/Disapproval Letter _____
- ☐ Modification Request
- ☑ Additional Information for 3/1/2023 (enter date) Submittal (Log No. C-656-M-26 if known)

Does this submittal contain groundwater information?

Yes

XXX

No

(IF YES, PLEASE INCLUDE ONE ADDITIONAL COPY OF SUBMITTAL)

IL 532-2106
LPC 464
Rev. 06/03

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

DESCRIPTION OF SUBMITTAL: (briefly describe what is being submitted)

Response Letter to IEPA Comments

LIST OF DOCUMENTS SUBMITTED: (identify all documents in this submittal, including the cover letter)

Response Letter to IEPA Comments

UNITS UNDERGOING CLOSURE (please identify what type of units are addressed in the plan, their capacities and whether they are on the RCRA Part A for the facility)

Unit	Unit Code	Number of Units Closing	Capacity	On Part A Y/N
Storage:				
Container (barrel, drum, etc.)	S01			
Tank	S02			
Waste Pile	S03			
Surface Impoundment	S04			
Treatment:				
Tank	T01			
Surface Impoundment	T02			
Incinerator	T03			
Other (explain)	T04			
Disposal:				
Landfill	D80	1		Y
Land Application	D81			
Surface Impoundment	D83			

CERTIFICATION AND SIGNATURE (Must be completed for all submittals. Certification and signature requirements are set forth in 35 IAC 702.126. Any submittal involving engineering plans, specifications and calculations as defined in the Illinois Professional Engineering Practice Act (225 ILCS 325) and 68 Ill. Adm. Code 1380 must be signed and certified by an Illinois licensed professional engineer.)

All closure plans, post-closure plans and modifications must be signed by the person representing the owner/ operator designated below or by a duly authorized representative of that person:

1. If the owner/operator is a Corporation - By a principal executive officer of at least the level of vice-president.
2. If the owner/operator is a Partnership or Sole Proprietorship - By a general partner or the proprietor, respectively.
3. If the owner/operator is a Government - By either a principal executive officer or a ranking elected official.

A person is a duly authorized representative only if:

1. the authorization is made in writing by a person described above; and
2. is submitted with this application (a copy of a previously submitted authorization can be used).

CERTIFICATION STATEMENT - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Owner Signature Leon Rabinovitz Date 5/13/2025

Title Mayor, City of North Chicago

Operator Signature _____ Date _____

Title Mayor, City of North Chicago

Engineer Signature James Michael Burton, PE Date 5/13/2025
(if necessary)

Engineer Name James Burton, P.E.

Engineer Address Deigan & Associates, PLLC
28835 N. Herky Drive, Unit 120
Lake Bluff, IL 60044

Engineer Phone # 847-404-9356

Engineer Seal

JAMES MICHAEL BURTON
062-048096
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

James Michael Burton, PE
5/13/2025

JM:bjh\97763i.doc

the deigan group
environmental managers/consultants
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An Illinois PLLC

May 13, 2025

Mr. John Roop, P.E.
Environmental Protection Engineer IV
Illinois Environmental Protection Agency
Bureau of Land/Permits Section/RCRA Unit
2520 W Iles Ave
Springfield, IL. 62794-9276

RE: 0971250007—Lake County
North Chicago
ILD097271563
Log No. C-656-M-26
Response to IEPA Notice of Deficiency Letter May 6, 2025
Final Design Plan
Former Lavin Property, 2028 Sheridan Road

Dear Mr. Roop:

Please find in this submittal additional information to address each comment identified in the May 6, 2025 IEPA Notice of Deficiency Letter.

1. *The applicant states that, "The City will remove all hazardous waste and manage all impacted soil from past industrial site use above the industrial/commercial remedial objectives (RO's) established for the site under the Illinois EPA Site Remediation Program (SRP)."*

   The ROs for the site will not be developed under the Illinois EPA SRP nor is the site currently enrolled in the Illinois EPA SRP program. As stated in Condition 1 of the Illinois EPA letter dated March 25, 2025 (Log No. C-656-M-27), "…any contamination associated with the landfill must meet the remedial objectives developed in accordance with 35 IAC Part 742 (Tiered Approaches to Corrective Action Objectives, TACO)."

   Response: The reference to the SRP program was mistakenly left and should have been removed prior to submittal. The City acknowledges to achieve clean closure all hazardous waste from past industrial site use needs to be removed and all

confirmation samples need to meet the 35 IAC Part 742 TACO Tier 1 remediation objectives for industrial/commercial properties. Additional information is included in response to comment 6 below.

2. *The applicant states that, "The results of the Deigan investigation and the Illinois TBA investigations are summarized in Master Tables included as Appendix A & B".*
The data can be found in the identified appendices and the quantity of samples and types of tests the samples underwent have been itemized, but the results of the analysis are not discussed. As stated in Condition 4(a) of Log No. C-656-M-27, "… and a discussion of any exceedances based on the Tier 1 remedial objectives set forth in 35 IAC Part 742 for the appropriate future land use must be included."

Response: Deigan has identified all detections above applicable Tier 1 ROs for Industrial/Commercial Land use and Construction Workers, in the below table, as these are the applicable remediation objectives for this site. Deigan calculated the average of the detections above the RO's and the highest concentration detected. The confirmation sampling COC's list will be updated to include the industrial/commercial detections above their respective RO's.

	Tier 1 RO (I/C)		Tier 1 RO (CW)		I/C		CW		# Samples Above Tier 1 RO (I/C)	# Samples Above Tier 1 RO (CW)
Parameter	Ing	Inh	Ing	Inh	Ing	Inh	Ing	Inh		
PCBs, Highest	1.0	--	1.0	--	210	--	210	--	15	15
PCB, Average					24.10	--	24.10	--		
Benzo(a)pyrene, Highest	0.8	--	0.8	--	2.1	--	2.1	--	8	8
Benzo(a)pyrene, Average					1.49	--	1.49	--		
Lead, Highest	800.0	--	700.0	--	10800	--	10800	--	23	24
Lead, Average					4916	--	4741	--		
Arsenic, Highest	13.0	1200.0	61.0	25000.0	64.3	--	64.3	--	27	1
Arsenic, Average					21.9	--	64.3	--		
Copper, Highest	82000.0	--	8200.0	--	--	--	56900	--	0	29
Copper, Average					--	--	17663	--		
Manganese, Highest	41000.0	91000.0	4100.0	8700.0	--	--	16600	16600	0	11
Manganese, Average					--	--	6678	13300		
Zinc, Highest	610000.0	--	61000.0	--	--	--	135000	--	0	7
Zinc, Average					--	--	99357	--		

	Tier 1 RO (I/C)		Tier 1 RO (CW)		I/C		CW		# Samples Above Tier 1 RO (I/C)	# Samples Above Tier 1 RO (CW)
Parameter	Ing	Inh	Ing	Inh	Ing	Inh	Ing	Inh		
Mercury, Highest	610.0	16.0	61.0	0.1	--	--	--	4.35	0	62
Mercury, Average					--	--	--	0.53		
Antimony, Highest	820.0	--	82.0	--	--	--	86.6	--	0	2
Antimony, Average					--	--	86.2	--		

Confirmation Samples – Identified Site Contaminants of Concern	
PCBs	Identified COC in Final Design Report
TCLP Lead	Identified COC in Final Design Report
Copper (total)	Identified COC in Final Design Report
Chromium (total)	Identified COC in Final Design Report
Lead (total)	Identified COC in Final Design Report
Zinc (total)	Identified COC in Final Design Report
Cadmium (total)	Identified COC in Final Design Report
Arsenic (total)	Additional COC based on detection above I/C RO
Benzo(a)pyrene	Additional COC based on detection above I/C RO

Response cont.: Additionally, as described in the Clean Closure Plan and Final Design Report all COC's, except for PCBs, will be treated with a metals stabilization product in-situ and within the area of contamination (AOC) to render as non-characteristic (decharacterized) prior to generation. At the time of generation, the treated soil will be classified as a treated Special Waste and be manifested to a Subtitle D Landfill with a Special Waste Manifest. Therefore, based on review of regulations regarding Land Disposal Restrictions (LDR) and Universal Treatment Standards (UTS), both LDRs and UTSs are not applicable to contaminants of concern at this site except for PCBs. The three locations with detections of PCBs above the UTS (10 mg/kg) will be managed appropriately and disposed of at a permitted TSCA Landfill.

The Metals COCs identified in the table below will be below their respective Maximum Concentration of Contaminants for the Toxicity Characteristic as measured via TCLP analysis prior to generation and disposal as a treated special waste at a permitted Subtitle D Landfill.

Maximum Concentration of Contaminants for the Toxicity Characteristic	
Lead	5 mg/L
Cadmium	1.0 mg/L

3. *The applicant states that, "There is no data gap that would prevent the project from proceeding with rebidding and breaking ground."*

   As stated in Condition 4(a) of Log No. C-656-M-27, "Any missing data from the assessment in the Proposed Treatment Areas must be identified." The claim is that groundwater beneath the site shows stability for site Constituents of Concern (COCs) and consistently demonstrates achievement of applicable groundwater quality standards on, under, and at the perimeter of the site. However, a number of constituents exceeded the TACO Tier 1 Groundwater Remediation Objectives (GROs), and a number of constituents exceeded the soil migration to groundwater ROs which are not sampled in groundwater. It appears site COCs have not been adequately defined, resulting in a gap in data.

   Response: To resolve this deficiency, we will update the list of semi-annual groundwater COCs to include identified constituents above the Tier 1 Groundwater ROs for Class I Groundwater. As described in the Clean Closure Plan Addendums and summarized in the Final Design Report, once the hazardous material has been removed from the site and all excavations have been backfilled, Deigan will collect groundwater samples from the newly installed wells and have the samples analyzed for the full 742 Table E Tier 1 Groundwater Remediation Objectives List. Deigan will then identify all contaminants of concern detected in groundwater above their respective standard and demonstrate compliance with 742.320 Groundwater Ingestion Exposure Route related to exposure route exclusion via the existing City of North Chicago Groundwater ordinance and applicable Institutional Controls.

   Additionally, at a minimum the current semi-annual groundwater sampling will continue to be sampled until termination of the groundwater monitoring program is approved by Illinois EPA.

Groundwater Contaminants of Concern	
Cadmium (total)	Currently Sampled for Semi-Annually
Copper (total)	Currently Sampled for Semi-Annually
Lead (total)	Currently Sampled for Semi-Annually
Zinc (total)	Currently Sampled for Semi-Annually
Cadmium (dissolved)	Currently Sampled for Semi-Annually
Copper (dissolved)	Currently Sampled for Semi-Annually
Lead (dissolved)	Currently Sampled for Semi-Annually
Zinc (dissolved)	Currently Sampled for Semi-Annually
Antimony (total)	Additional Parameter based on detection above Tier 1 GRO
Boron (total)	Additional Parameter based on detection above Tier 1 GRO
Chromium (total)	Additional Parameter based on detection above Tier 1 GRO
Iron (total)	Additional Parameter based on detection above Tier 1 GRO
Manganese (total)	Additional Parameter based on detection above Tier 1 GRO
Mercury (total)	Additional Parameter based on detection above Tier 1 GRO
Nickel (total)	Additional Parameter based on detection above Tier 1 GRO
Thallium	Additional Parameter based on detection above Tier 1 GRO

4. *The applicant discusses erosion control measures, dust management, and stormwater management. Appendix E of the submittal provides the project's Stormwater Pollution Prevention Plan. As required by Condition 4(b) of Log No. C-696-M-27, the submittal "…must include a contingency plan for any potential release of contamination from the site." This would identify the reactive measures taken to mitigate immediate risk to human health and the environment.*

   Response: Within the Final Design Report Deigan described the erosion control measures, dust management, and stormwater management procedures that will be implemented to ensure there are no off-site releases of dust or stormwater from the site. In the unlikely event that these measures fail and a release occurs all Federal, State, and Local laws will be followed to remediate and report the release. If the remediation contractor conducting the work is unable to remedy the situation to mitigate risk to human health and the environment, an emergency spill response contractor will be mobilized to the site, such as Clean Harbors or CABENO Environmental. Additionally, all contractors involved in the project will have Pollution Liability Insurance Coverage.

5. *The applicant states that, "…all machinery that comes in contact with waste will be decontaminated in the excavation prior to being removed from that area."*

   While the concept of decontaminating equipment and personnel is discussed, the process that will be carried out is described vaguely. Section 3.0 of the Health and Safety Plan, located in Appendix D, discusses the safeguard against contamination for workers and the decontamination procedure for workers. Per Condition 4(c) of Log No. C-696-M-27, "A detailed description and discussion of stabilization and preventative measures…" and "These stabilization and protective measures include but are not limited to, the decontamination process…"

   Response: The decontamination process that was described in the Final Design Report was intentional to allow for further details to be provided by the selected remediation contractor following the rebidding process. However, to resolve this deficiency when equipment that has been in contact with hazardous materials is finished or needs to be removed from the contamination area for any reason at a minimum the following decontamination procedure will be implemented.

   - ✓ Manual Cleaning – Remove all loose debris and soil with a large brush or broom.

   - ✓ Pressure Washing – Use a pressure washer double rinse to remove residual soil and debris from the equipment.

   - ✓ Wipe Down – Use large brush or sponge to remove any debris not removed by the pressure washer.

- ✓ Final Rinse – Utilize the pressure washer to complete a low-pressure final triple rinse of the equipment.

- ✓ Inspection – Following final rinse ensure all parts of the equipment are cleaned including buckets, booms, chassis.

- ✓ Any soil or water that accumulates from the decontamination process will be sampled to ensure it is disposed of and managed according to the Clean Closure Plan and Final Design Report.

6. *The applicant states that, "The results of this evaluation will determine the applicable exposure pathway exclusion via land use restrictions, engineering and institutional controls as described in 35 IAC Part 742."*

   Per Condition 4(h) of Log No. C-696-M-27, "Acknowledge that the City will … (2) use site specific parameters." Proposing to use land use restrictions, engineered barriers, and institutional controls does not achieve clean closure. Clean closure is only achieved through the removal of hazardous waste and meeting the TACO Tier 1 ROs.

   Response: The City acknowledges to achieve clean closure they must remove the hazardous waste material from the property and all confirmation samples need to meet the TACO Tier 1 Remediation Objectives per 35 IAC Part 742. The prior site use was industrial/commercial, the current site use is industrial/commercial and the anticipated future use at this time is industrial/commercial, therefore the most applicable 742 Tier 1 remediation objectives for the site are the industrial/commercial ROs. The City will remove the hazardous waste from the site and ensure the site meets the TACO 742 Tier 1 remediation objectives for industrial/commercial properties as a result of this project.

7. *The applicant states that, "The financial assurance mechanism will also be updated, as needed, to maintain 27% of the grand total of the cost estimate."*

   This statement itself is adequate, but does not address the issue of liability insurance. Per Condition 5 of Log No. C-696-M-27, "The City must also address the liability coverage requirements in accordance with 35 IAC 725.247". Liability insurance is separate from the financial assurance mechanism.

   Response: City of North Chicago's Certificate of Insurance demonstrating liability insurance coverage is attached.

8. *The applicant states that, "Gary Deigan, Bryan Peter, and Cullen Brown – Has been awarded this certificate for completing 8 Hour Hazwoper Site Work Training Course OHSA 29 CFR 1910.120(e) & (q)."*

   The Health and Safety Plan identifies Mr. Gary Deigan as the Principal/Owner, Mr. Bryan Peter as the Project Manager, and Mr. Cullen Brown as an Environmental Specialist. Deigan and Stiles are the two contractors identified as managing the project. Noted on the cover page of the Health and Safety Plan is the statement that reads, "This plan will be updated following the rebid process and selection of a contractor expected in Spring 2025." Per Condition 16 of Log No. C-696-M-27, "29 Code of Federal Regulations (CFR) 1910, cleanup operations must meet the applicable requirements of Occupational Health and Safety and Health Act (OSHA) Hazardous Waste Operations and Emergency Response standard."

   As required 1910.120(e)(3)(i), general site workers (such as equipment operators, general laborers, and supervisory personnel) engaged in hazardous substance removal or other activities which expose or potentially expose workers to hazardous substances and health hazards shall receive a minimum of 40 hours of instruction off the site, and a minimum of three days actual field experience under the direct supervision of a trained, experienced supervisor.

   As required by 1910.120(e)(3)(iii), workers regularly on site who work in areas which have been monitored and fully characterized indicating that exposures are under permissible exposure limits and published exposure limits where respirators are not necessary, and the characterization indicates that there are no health hazards or the possibility of an emergency developing, shall receive a minimum of 24 hours of instruction off the site and the minimum of one day actual field experience under the direct supervision of a trained, experienced supervisor.

   Response: All contractors conducting work in the exclusion zone on the site will have completed their HAZWOPER 40-hour certification and the annual 8-hour refresher course as applicable. The certificates that were included for the plan for Deigan staff show Deigan team members have completed their 40-hour certification and have maintained this certification with the annual 8-hour refresher course.

9. *According to the RCRAInfo Database, the City of North Chicago is "Not a Generator" of hazardous waste as of March 30, 2022. With the commencement of this remediation project, the facility will become a "Large Quantity Generator".*

   The Facility should submit an updated USEPA 8700-12 Part A form to the Illinois EPA revising their generator status. Any other information about the site or facility contact persons should be revised at this time as well.

Response: The City acknowledges that prior to the start of the project they will need to submit an updated USEPA 8700-12 Part A form to IEPA. Deigan on behalf of The City will submit this form in the coming weeks.

Please let me know if there is any additional information required at by contacting me via email: bpeter@deiganassociates.com We look forward to continuing working together to achieve approval of this plan.

Sincerely,
the deigan group

Bryan L. Peter
Project Manager
bpeter@deiganassociates.com

Enclosures

City of North Chicago Insurance Certificate

cc:
Honorable Mayor Rockingham
Greg Jackson, City Chief of Staff

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/12/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
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c/o Cannon Cochran Management Services, Inc.
Towne Centre Building
2 East Main Street
Danville, IL 61832

CONTACT NAME: *Julia Reynolds*
PHONE (A/C, No, Ext): *(217) 444-1199* FAX (A/C, No): *(217) 477-6799*
E-MAIL ADDRESS: *jreynolds@ccmsi.com*

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : *Illinois Municipal League Risk Management Association*	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
CITY OF NORTH CHICAGO
ATTN: LIZ BLACK
1850 LEWIS AVENUE
NORTH CHICAGO IL 60064-2050

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC OTHER:			1223E0417	1/1/2025	1/1/2026	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
							PRODUCTS - COMP/OP AGG	$
								$
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			1223E0417	1/1/2025	1/1/2026	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
A	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED RETENTION $			1223E0417	1/1/2025	1/1/2026	EACH OCCURRENCE	$ 7,000,000
							AGGREGATE	$ 16,000,000
								$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		1223E0417	1/1/2025	1/1/2026	X PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	$ 3,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 3,000,000
							E.L. DISEASE - POLICY LIMIT	$ 3,000,000
A	PROP / IM / APD			1223E0417	1/1/2025	1/1/2026	per occurrence	250,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

PROOF OF COVERAGE

CERTIFICATE HOLDER

CITY OF NORTH CHICAGO

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED RE

Julia Reynolds

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